

First, too, with the newest and safest of all bolt actions, with nine locking lugs, and completely enclosed cartridge case.

WRITE FOR FREE LITERATURE and name of nearest dealer

SEND FOR "TOMORROW'S RIFLES TODAY"
The all-new 1961 11th Edition, 140 pages of valuable information and ballistical data. Profusely illustrated. Only \$2.00 postpaid.

es al oo most perfect scope. Lifetime guarantee. 234X, 4X, 6X. Also 2X to 7X and 234X to 10X Variable. Priced from \$69.50.

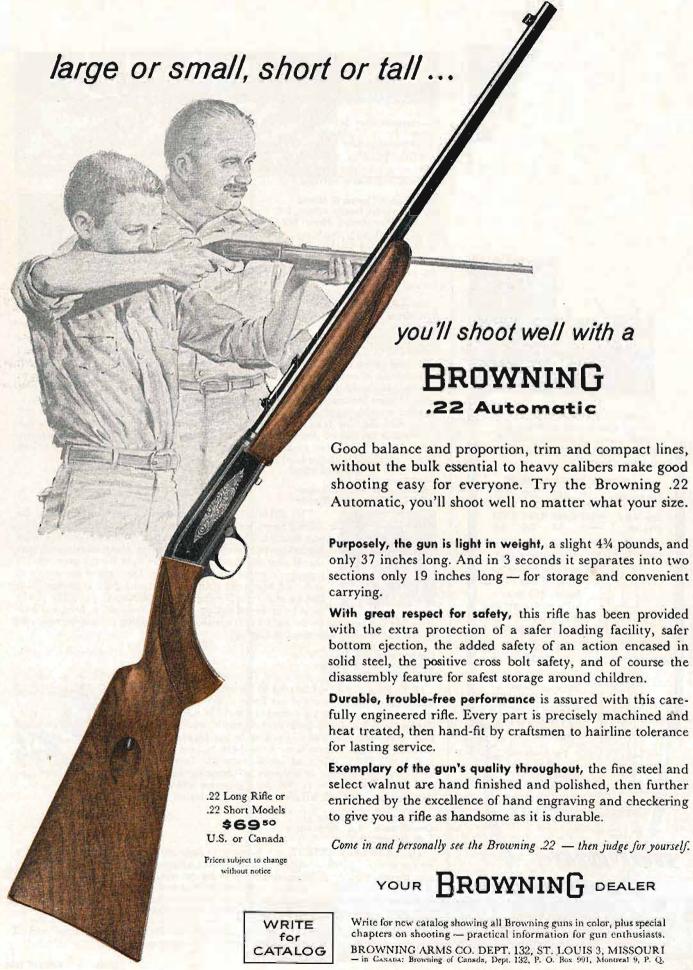
Weatherby, Inc.

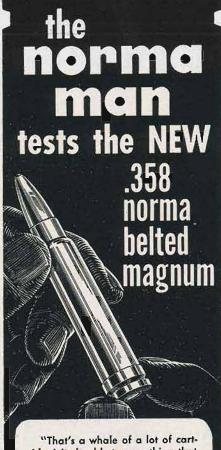
BUILDER OF AMERICA'S FINEST RIFLES AND SCOPES

HOME OFFICE: 2791 Firestone Boulevard, South Gate, California (Metropolitan Los Angeles)

Weatherby Mark V Custom Model shown.

CANADIAN DISTRIBUTOR: Canadian Sauer, Ltd., 103 Church St., Toronto, Ontario, Canada EUROPEAN OFFICE: Weatherby, Inc., Jaegerhofstrasse, 29, Dusseldorf, Germany EUROPEAN DISTRIBUTOR: J. P. Sauer & Sohn, Dusseldorf, Germany.





"That's a whale of a lot of cartridge! It should stop anything that walks, crawls or moves. And it's made to fit a .30/06 standard length action!"

.358 NORMA BELTED MAGNUM

Range, yds. 0 100 200 300 Vel. (f.s.) 2,790 2,493 2,231 2,001 Egy. (f.p.) 4,322 3,451 2,764 2,223 Traj., in. — 0.2 2.4 6.6



Based on standard .35 coliber barrel; groove diameter .358; 12-inch twist. Bullet: 250 grains, soft point, extrastrong jacket. Barrel length: 24.7 in.

RELOADING DATA:

Factory load can be duplicated by 70 grains of 4320. Primers standard .210 diameter large rifle.

For more information on the mighty new .358 Norma Belted Magnum, send for FREE spec. sheet. Box GM-8,

normaprecision

SOUTH LANSING, NEW YORK Div. of General Sporting Goods Corp.



LAWMAKERS

Congressman Fred Schwengel Comm.: Public Works, Watershed, Floor, Roads 1st (Davenport) Dist., Iowa

WHEN PEOPLE ABUSE the rights given them under any section of the law, Congress must take cognizance of it. How to deal with this problem without infringing the basic rights is sometimes difficult.

Congressman Thomas G. Morris Comm.: Interior, Insular Affairs; D.C. Comm. At Large, New Mexico. Home: Box 336, Tucumcari

IT IS MY CONVICTION that existing controls on firearms are highly adequate and that there should be no additional restrictions imposed upon these rights. . . New restrictions would not prevent criminals from acquiring and using guns in any fashion they desire.



Congressman Melvin Price Committee on Armed Services Illinois

THIS AMENDMENT is of very definite importance in today's world...the militia referred to in the Constitution is today's National Guard, (thus) the right to keep and bear arms refers to the right of the National Guard to keep and bear arms and not to individual citizens... What is set out above is, I believe, a correct interpretation of the law. It should not of course be construed as meaning that I am not heartily in favor of arms-bearing by those citizens with a legitimate purpose to so bear arms... Regulations with respect to registration of firearms as imposed by the Sullivan law and many state and city laws are entirely reasonable in my opinion... While I do not believe that the Second Amendment to the Constitution forms any basis for asserting the right of the individual citizen to keep and bear arms, he still has this right so long as it is consistent with the local laws...

Congressman Bob Sikes Committee on Appropriations 3rd Dist. (Clearwater) Florida



THE BASIC TRUTHS contained in the Constitution of the United States are just as important today as when our Nation was founded. The present disposition of some courts and some lawmakers to rewrite the Constitution along sociological lines should alert the American people to fight for the protection of those basic truths lest we lose them. The right of the people to keep and bear arms should not be infringed. It is significant that no such right is enjoyed under dictatorships... The public must be protected against abuses of the right to keep and bear

arms, but not deprived of the right itself, nor should law-abiding citizens be restricted in safe and sensible enjoyment of that right.

Congressman Alexander Pirnie Committee on Agriculture 34th (Utica) Dist., N.Y.

IT IS IN our national interest to encourage the intelligent use of firearms. Thousands of our finest citizens find healthful recreation in hunting and a competitive thrill in marksmanship. Further, such training is basic to our armed forces. These purposes were recognized and appreciated by our founding fathers when they included protection of the right to keep and bear arms in the Bill of Rights of our Constitution. To attempt to curb crime and juvenile delinquency by abridging this right is neither realistic nor constructive. Such measures will not deter the lawbreaker but will harass and burden the law-abiding citizen.



Congressman John Taber Committee on Appropriations 36th District, N.Y.

TO A CERTAIN EXTENT, you have got to keep up to date. I do not believe that we can construe the Second Amendment to mean an unorganized group of people and give them the privilege of bearing arms under present circumstances. It should be confined to those who are properly organized as a part of what we call "militia" today. The laws of most states permit those with a license from the proper authorities to hunt with a gun or to maintain arms for their own protection.

Readers' Note: All Congressmen may be addressed as "House Office Building," and all Senators as "Senate Office Building," both at "Washington 25, D. C."

Guns

FINEST IN THE FIREARMS FIELD

George E. von Rosen Publisher

Arthur S. Arkush Ass't to the Publisher



E. B. MannEditor
Wm. B. Edwards Technical Editor
Elmer Keith Shooting Editor
Kent Bellah
Roslyn Wallis Editorial Ass't
Sydney BarkerArt Director
Lew Merrell Ass't Art Director
Marvin Ginn Advertising Director
Lee SalbergAss't Adv. Dir.
Lou Weber Advertising Sales
M. Magnusson
Sanford Herzog Production Manager
Kay ElliottAss't Production Mgr.
Lou SatzCirculation Manager
George TsorisPromotion Manager
Editorial Advisory Board
Col. George M. ChinnMilitary
Carola MandelSkeet
Stuart MillerCartridges
Val ForgettCollectors
Dee WoolemFast Draw
Bill ToneyPolice

THE COVER

Les FieldLegislation

Being a pretty girl isn't enough to put you on our cover. Being a screen personality is not enough, either. Not even being a gunner will do it, necessarily. But when all three are combined in a superlative kodachrome as has been done in this instance -well, even editors are human. The picture is by Harvey Caplin of Albuquerque, New Mexico.

IN THIS ISSUE

shooting	
HE BROKE THE PISTOL TITLE JINX Grits Gresham A TRICK TO MAKE YOU SHOOT BETTER Clifford W. Cox GREER GARSON, GUNNER Clifton Camp LITTLE THINGS BEHIND THE LONG SHOTS Harold W. Harton	22
special	
FRANCIS POWERS' PISTOL	19
new rifle	
A HOT NEW WINCHESTER AUTOMATIC	
workshop	
TUNE UP NOW FOR HUNTING HITS	24 28
guns americana	
GUN OF THE MONTH: CANADA RIFLE	27 30
departments	
KNOW YOUR LAWMAKERS GUN RACK ELMER KEITH SAYS CROSSFIRE PULLI ARMS LIBRARY SHOPPING WITH GUNS THE GUN MARKET INDEX OF ADVERTISERS	6 8 10 12 14 56 64



EDITORIAL OFFICES: E. B. Mann, W. B. Edwards, 8150 N. Central Park, Skokie, 111., ORchard 5-5602
Elmer Keith, Salmon, Idaho. Kent Bellah, Saint Jo, Texas.

REPRESENTATIVES: NEW YORK, Eugene L. Poliock, 60 East 42nd St., New York 17. N. Y., YUkon 6-9280. MIDWEST ADV. OFFICES, 8150 N. Central Park Ave., Skokie, III., ORchard 5-6967. CALIFORNIA, The Ren Averill Co., Ren Averill, 232 N. Laks Ave., Pasadena, Calif. MUrray 1-7123.

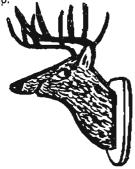
SOUTHERN, Hal Moore, 279 NE 79th St., Miami 38, Fla. PLaza 8-5516.

GUNS Magazine is published monthly by Publishers' Development Corp., 8150 N. Central Park Avenue, Skokie, Illinois, Second class postage paid at Skokie, Illinois, and at additional mailing offices, SUBSCRIPTIONS: One year, \$3,00. Single copy 50c, CHANGE OF, ADDRESS: Four weeks' notice required on all changes. Send old address as well as new, CONTRIBUTORS submitting manuscripts, photographs or drawings do so at their own risk. Matorial cannot be returned unless accompanied by sufficient postage. PAYMENT will be made at rates current at time of acceptance and will cover reproduction in any or all GUNS magazine editions. ADVERTISING RATES furnished on request. Copyright 1906. Publishers' Development. Corporation. All right reserved.

SUCCESSFUL HEAD HUNTERS SAY:



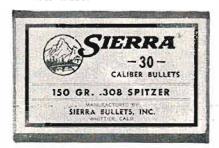
SIGHT IN before every hunting trio.



SHOOT several groups at the ranges you expect to see game.



Reload with SIERRAS, the most accurate and destructive bullets made.



How do Sierras kill BIG GAME? Read "The 30-06 in AFRICA." Write for your FREE copy today. Dept. A7

Ask your dealer for the bullets in the GREEN BOX...SIERRAS.

SIERRA BULLETS

600 West Whittier Blvd., Whittier, Calif.

Join the National Rifle Association



Finest Cleaning Rods We Have Seen

By bulky parcel post from England, delivered by the postman who collected a small bundle of customs duty from us in return, has come a selection of the best cleaning rods we have ever seen, made by Parker-Hale, Ltd., Whittall St., Birmingham 4. England. These rods are listed in their big catalog which costs a buck (and is worth as much in reading matter, for it fills in the Stateside shooter on a whole new world of gun gadgets that he can't readily find in the American market.) Though Williams Gun Sight, for example, has just come out with sights for the No. 4 SMLE rifle, Parker-Hale naturally have been making top quality adjustable micrometer sights for these arms for years. And their adjustable micrometer peep for the "Pattern 14" or U.S. M1917 rifle fits onto the left side of the action without any drilling or tapping-that bolt and ejector box spring locks it into place, when the slotted stud on the receiver is lifted out. But, back to cleaning rods

Their Salari kit includes a handsome 3piece heavy-duty rod for shotgun or double rifle, with wining mops and brushes, plus plenty of oils and powder solvent, all put up in a durable tin case with sliding pin latches. Rods come in four sizes from .22 to big bore, and the one-piece rods are coated with a plastic that will not scratch the bore. This plastic coating has sometimes been knocked by experts who suggest that grit may become embedded in its surface and thus later scar the bore. This plastic is not any more prone to this than are the dozens of excellent aluminum rods on the market. As for such grit scratching the bore, maybe the type of person who handles his cleaning gear so as to cause it to become contaminated really doesn't give a tinker's dam about the hore surface. anyway?

The design of these rods is interesting. The handles are free-swivelling, with handsome plastic knob ends. The brushes are the most costly to make I have ever seen, and are themselves threaded inside, instead of the rod being threaded. This is a stronger connection with less danger of (wisting and breakage, in the event you are trying to clean some of the old muskets on the mar-

ket. Anybody can clean a .22 smallbore with a piece of thread and a twist of Kleenex, but for heavy duty scrubbing when that rod whips back and forth and you are really laying on the clbow grease, take a reading on the Parker Hale rods. Same design in short, stubby rods for pistols, too, or long ones for even long barreled rifles. Write to John LeBreton, Parker-Hale, Ltd., Whittall St., Birmingham 4, England, for prices & lists

Good Gun Dealers

Bought a Justice musket from Larry Martin of Pennsylvania and in dealing with him found him honest in his descriptions and reliable in his prompt shipping. Larry is now connected with George E. Gorman, their card and letterhead proclaiming "U. S. Military Equipment. 1776—1865, and their address is 4 Owen Ave., Landsdowne, Pa., MAdison 6-3643.

Have also done husiness with Ralph Morton, of the Frontier Gun Shop, 3445 University Ave., San Diego, California. His shipment of ten experimental arms from the James Paris Lee collection was rapid and they arrived safely. Believe you can do business by mail with him in confidence of full satisfaction.

From time to time have had need of various small parts. Recently, got two gunstocks from Norm Strebe, Strebe Gun Works, 5650 Marlboro Rd., Washington 27. D. C. They were fully up to standard and we are glad to find Strebe seems to be prospering. Long ago we visited his smaller old store and found some of the scarcer parts we wanted and now that he has improved and enlarged his business a lot, and been very active in lining up all sorts of useful bits and pieces, he can supply a lot of calls for things no company today legs.

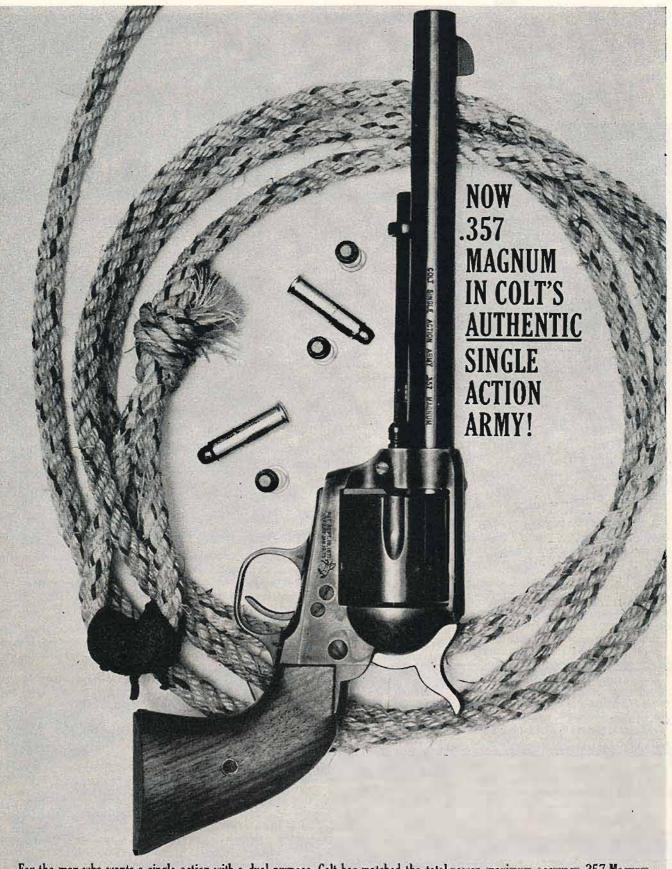
Biggest stock among the small parts dealers is held by George Numrich, West Hurley, N. Y. See story page 30.

New Gun Catalogs

We have received advance proof sheets or bound catalogs from three firms now available to collectors and shooters at a half buck each.

First, Ma Hunter's latest offering, 52 pages, blue-cover, just off press, is "GUNS and (Continued on page 63)





For the man who wants a single action with a dual purpose, Colt has matched the total-power, maximum-accuracy .357 Magnum chambering with the <u>feel</u> of the old western handguns. Big enough to handle the most powerful game in America, the .357 Magnum is the perfect load for handgun hunting. In addition, the .357 will fire accurate, economical .38 Special ammunition. For the man who wants to combine quick draw with good hunting, this gun is a must. In $4\frac{3}{4}$ ", $5\frac{1}{2}$ ", $7\frac{1}{2}$ " barrel lengths, \$125.00; wood stocks, \$5.00 extra. Special engraving available through your Colt Registered Dealer.

Colt's Patent Fire Arms Manufacturing Company, Inc., Hartford 15, Connecticut



- MORE UNIFORM & PER-FECT THAN CAST BULLETS! A Simple die adjustment enables you to obtain ANY bullet weight desired.
- INCREASES BULLET VE-LOCITY & ACCURACY! By forming bullets from lead wire you get PERFECT expansion, plus the fact that gilded metal jackets insure greater bullet velocity and accuracy.
- TAKES ONLY SECONDS! Cut lead wire, insert core into jacket and your Swag-O-Matic forms the most perfect bullet you have ever seen.
- CHOICE OF CALIBERS & BULLET STYLES. Available in 38, 44, 45 ACP & 45 Colt pistol calibers. 6 bullet punch styles: wad cutter, semi-wad cutter, semi-wad cutter hollow point, round nose, conical & cup point. See it at your sporting goods dealer or gunsmith now

	now.			and.	20
1	MAIL COUPON FOR FREE	B00	KLET	- 2	A
	C-H DIE COMPANY, Dept.G P. O. Box 3284, Terminal A Los Angeles 54, Calif.	uuex 8	C		
ī	Name				Г
	Address.	-			
	CityZon	e	_State_		
	Name of my sporting goods of	iealer	or guns	mith is	
П					



Don't Do It

Do not reblue double barreled guns with any of the common hot caustic blueing solutions. Some of them may work out O.K., but many of them will eat the solder from between ribs and barrels, and the gun will come all apart when used again. For these double barrel jobs, the best blueing is the old, costly, slow cold rust process, though I believe our big arms makers have some hot solutions carefully controlled as to heat and materials that will blue doubles safely.

A few months ago I tested a big English .577-3" double elephant rifle that had been re-conditioned in England and the barrels reblued. It was chambered for the .577-100 Cordite 750 grain jacketed bullet load and so proof marked, but evidently had never been reproved after the refinish job. Barrels plainly showed they had been draw-filed to remove outside pits and marks. I laid the big rifle over the hood of the jeep, with a 5 gallon oil drum with a small green letter R in the center for a target at 50 yards. First shot with new Kynoch ammunition with the right barrel hit the R center. Second shot, with the left barrel hit the mountain four feet high.

I reloaded the left barrel and tried it again. The bullet landed 18" low. Then, as the big rifle bucked up in recoil, I heard something hit the ground behind me. I looked around and there, ten feet away, was the front sight and ramp. I then looked at the rifle, and found that the barrels and ribs had spread apart almost half their length down from the muzzle, and the front ramp was missing. Careful examination showed the ribs and barrels had been held by solder only at the muzzle and under the ramp front sight, and evidently the hot blueing solution had eaten away all the solder between ribs and barrels for over half their length. Rifle was a box lock with 24" barrels, well stocked, balanced, and sighted. It was apparently a good rifle before firing, weighing just an even 12 pounds; but needless to say I did not buy that rifle. This also shows the advisability of thoroughly trying out any rifle before taking it into the game fields.

New Model 21 Winchester

Winchester-Western has set up a separate and complete factory for the manufacture of the Model 21 shotgun. The new gun will now be a custom job from butt plate to muzzle, and the customer can write his or her own ticket. Nothing but the very finest of materials will be used, and the finished gun is to be the equal of any made anywhere in the world. Prices will start at \$1,000, and this will be known as the Custom grade. The second model will be known as

the Pigeon grade and will be priced at \$2,500. The third model will be known as the Grand American and will retail at \$3,500.

The Pigeon grade will have custom engraving to order and each gun will be different. The Grand American will have two sets of barrels, in trunk leather case, and will feature the most elaborate carving, engraving, and gold inlays to order. Every Model 21 from now on will be in these high grades, made to individual specifications as to length barrels, weight, bore, chokes, and stocking. Double guns are now being made for one Texan to cost \$4,100 each.

While these fine guns are well out of the reach of most of us, it is nice to know that Americans will again build a fine double shotgun, as fine as those turned out by the Old World craftsmen, and that fine double shotgun building will not die out completely in this country. To my notion, no other shotgun handles like a fine double. I have shot doubles by preference all my life, and also prefer fine double rifles for any really big dangerous game.

We were shown a sample of the \$2,500 grade in a 20 bore at the Winchester Seminar at Alton, Ill., and it was certainly a thing of beauty, a gun for the man who can afford it to prize the rest of his life. The side-by-side double opens less widely for extraction and loading than does an over-under, swings faster in a cross wind, is considerably shorter than any repeating or auto loading shotgun for a given barrel length. It also has a live, perfectly balanced feel not approached by any other shotgun to my notion. It is "the gentleman's gun," and for rich gentlemen at that; but, who knows, maybe after a few years we peons can swap for a second-hand one.

Factory .44 Magnum Loads Too Hot

When Remington brought out the .44 Magnum, they did a very fine job. Velocities did not come up to the claims of 1570 feet, but were nearer 1400 feet. I wish they had left it right there as that original Remington load was a honey. It was accurate and reliable, and fired cases extracted easily.

Next, Winchester-Western brought out their .44 Magnum, using their ball powder. Velocities were listed at 1470, and they worked to that figure. Then they surpassed it, and the SAAMI specifications went up to 1650 feet. The velocity race was on. Now both companies have ruined the best sixgun load they ever produced by trying to get too much velocity.

White's Laboratory ran a test of ten of (Continued on page 65)

SUREST SHOOTING-SURE AS SHOOTING-WINCHESTER 22's Pack



Pack along plenty of Super X or Super Speed 22's and get all the power a Winchester 22 rifle can deliver. Supersonic speed and sledge-hammer sock—that's Super X and Super Speed!



There's a whole wonderful world of shooting pleasure ahead of you with a Winchester 22. What'll it be? The end of a marauding crow... tin cans as full of holes as the Swiss in your sandwiches... or a young man's long-awaited first shooting lesson? With the woods and a Winchester, adventure awaits.

This is the time to give the whole family-big and small-the deep-down fun of shooting a really fine rifle. It takes as many

as a thousand separate operations to make a Winchester 22—and it shoots like it. Years from now it will still be just as accurate, just as faithful. Because it's made by the same men and machines that make Winchester big game rifles, the careful workmanship is the same. Get one for next weekend and have the time of your life. They're available in 6 models and 12 styles, priced from only \$18.95.



BULLETS from HORNADY

for popular FOREIGN and AMERICAN Rifles

Now owners of foreign as well as American rifles can handload their ammo with superbly accurate, always dependable <u>Hornady Bullets</u> and get finer performance from their rifles.



6.5 MM (.263) 140 Gr. Round Nose for Swedish Mauser and other 6.5s.



270 Cal. (.277) 150 Gr. Spire Point
—asked for by many hunters.



7MM (.284) 154 Gr. Spire Point
—also asked for by many hunters.



7.35MM (.300) 128 Gr. Carcano for the Italian Carcano rifle.



303 Cal. (.312) 174 Gr. Round Nose for the 303 British, 7.7 Jap. 7.65 Argentine or Belgian Mauser.



338 Cal. (.338) 200 Gr. Spire Point for the 338 Winchester rifle.



338 Cal. (.338) 250 Gr. Round Nose for the 338 Winchester rifle.

Bullets for handloading—all popular callbers, 22 through 45. Send card for complete list.



HORNADY MFG. CO. - DEPT. G - GRAND ISLAND, NEBR.



ROSSFIRE

Wants Pro Gun Law

I've read a lot of articles recently on the evils of firearms registration and these idiotic anti-gun laws. I think that the best solution would be for Congress to pass a law that would protect people who want to use firearms for pleasure and throw the book at all who use them for criminal purposes. It should provide that any person over 18 years could carry any firearm, any time, any where. Any person using any firearm to commit a "crime of violence" would automatically, upon conviction, get a minimum of 20 years in a federal prison, and life for a second offence. This should make any would-be criminal think twice, and it would enable honest people to enjoy the ownership and use of firearms without the red tape there is now. I can't think of any reason for an honest, law-abiding person to object to such a law; can you?

Richard T. Sandberg Seekonk, Mass.

Prospect For Keith-ville

Congratulations on recent very fine issues. Enjoyed especially Elmer Keith's comments on anti-gun legislation. Must admit he makes Salmon, Idaho sound like the ideal town for people who love guns. If all else fails, I will move there.

My thanks for the titles and authors of the guerrilla warfare books. I will obtain them if possible. Would also like to recommend "Kill or Be Killed" by Lt. Col. Rex Applegate as an addition to the book list.

Am an NRA conditional-Life Member and enjoy my gums (High Standard .22, two Colt .45's, and a Garand M-1) very much. Keep up the good work.

James K. Shafer Medford, Oregon

Praise From Germany . . .

I have just received a January copy of GUNS Magazine and read the article by Mr. Charles Hebert, Jr. concerning "The New 22 JGR" cartridge. I would like to purchase the kit mentioned in this article, but it does not contain an address as to where I can send for it. If it is at all possible, could you supply me with the information I need? I would appreciate it very much.

Before I close this letter I would like to tell you how I feel about your magazine. I try not to miss a copy, if it is at all possible to get. In fact I never did before I was drafted into the Army. Now, in order not to miss out on anything, I subscribed to it to make sure. Here in Germany it seems there just aren't enough magazines to go around. I believe it is the best magazine any gun enthusiast can buy. It's important to me to know what's

going on back home concerning new guns and cartridges, and your magazine does its job well.

Pvt. J. H. Kwiatkowski Germany

(Write JGR Gunsport Ltd., 2362 Kingston Roud, Toronto 13, Canada.)

"No Such Thing?"

We promised to publish one answer to Mr. R. de Boer's letter (June, 1960) on recoil versus bullet energy. The general theme of that letter was that the accepted figures on the impact energy of big game bullets are "malarkey," that "the punch your bullet delivers to the game is no greater than the recoil you get from the butt of your rifle." Mr. de Boer went on to stress the fact that W. D. M. Bell killed many elephants with very light rifles.

We received many answers, most of them correctly pointing out that the energy produced in an object is proportional to the weight or mass of the object. No single letter, however, offered complete mathe-

matical proof of the problem.

Certainly it is true that "for every action there is an equal and opposite reaction." The action in a gun's chamber which forces the bullet forward exerts an equal force to push the rifle backward. But—

Energy = ½ (Mass × Velocity squared). Mass = weight in pounds divided by the

acceleration of gravity: 32.2.

Mr. de Boer mentioned the .308 Winchester load, so let's take for example a .308 Winchester cartridge with the 180 grain bullet, 45 grains of powder, producing a muzzle velocity of 2610 feet per second. The muzzle energy of this bullet is 2720 foot pounds. Let's fire this load from a rifle weighing 6½ pounds.

To find the recoil energy of the rifle, we must first get the recoil velocity imparted to the rifle by the force required to produce 2610 feet per second from the 180 grain bullet. The formula 4"Hatcher's Notebook," pp. 279-99) is: bullet weight plus 1¾ times weight of powder charge, times muzzle velocity—divided by the weight of the gun times 7000 (the number of grains in a pound).

Substituting known figures into the above: $180 + 78.75 \times 2610$ divided by 6.5×7000 , gives us the rifle's recoil velocity as

14.84 feet per second.

Energy = ½ Mass × Velocity squared. Mass is weight in pounds divided by the acceleration of gravity, 32.2.

Substituting figures into the formula: Energy = $6.5 \times 14.84 \times 14.84$ divided by $2 \times 32.2 = 22.22$ foot pounds, the energy developed by the rifle in recoil. Compare

this to the 2720 foot pounds muzzle energy of the bullet.

True, the bullet will not push a deer over; but there is a vast difference between push-over power and striking power. W. D. M. Bell was a great hunter and a fine rifleman. He knew exactly where to place his light bullets, and could place them there even under extreme hunting pressures. Most honters have considerably less than Bell's combination of knowledge, skill and coolness.—Editor.

Good Magazine, Bad Picture

After reading your magazine for two years, I am just getting around to letting you know that your magazine has opened a new world in guns for me.

I have already tried Lucky McDaniel's method of "Instinct Shooting" with success. Let's have an article on his method of pistol shooting.

I am a .44 Magnum shooter, and if some of these guys who doubt Elmer Keith's hits on deer at 600 yards would go out and do some shooting, they wouldn't be so quick to say, "It can't be done."

In the June issue, page 20, the bottom picture, of the Colt Single Action, is back-

Charles G. Dixon Tucson, Arizona

Right. The picture was reversed (inverted) in printing. Since we didn't have the negative, we used the print we had. Meant to explain it in the caption, but didn't. Plenty of readers have "called our attention," some of them not as nicely as you did.—Editor.

He Rode With Jesse

Just finished reading your interesting article (June, 1960) about Mr. King, who was once Wyatt Earp's deputy. This brings to mind a visit I had with Mr. Granvil House, who knew and rode range with Jesse James. Now in his nineties, Mr. House has stories to tell about Jesse that would make a very interesting article.

Charles Bradford Pomona, California

We are taking steps toward obtaining Mr. House's story.—Editor.

Best Ever

Just received another issue and want to say Guns is the best ever. I'm a revolver hunter-shooter, and those Keith articles are alone worth the price of subscription, and more.

Why not advise readers where to write our Senators and Congressmen? I'll send a dozen cards if it will help us shooters and gun lovers.

E. Mattecheck Moline, Illinois

See bottom of "Know Your Lawmakers" page, last several issues.—Editor.

Unsurpassable

I received my copy of "GUNS QUARTERLY" today, and am most pleased—to put it mildly. Enclosed you will find \$1.00 for the extra print of the Colt Single Action painting by James Triggs. It, like the entire publication, is unsurpassable in excellence and quality.

William Hays Parks Jacksonville, Florida

Thanks From "The Rifleman"

Chuck Connors and I wish to convey our deepest gratitude and thanks for the story featured in your May issue. It is truly one of the best stories on Chuck and the rifle that I have ever seen. Thanks once again.

Jim Flood Beverly Hills, Calif.

Sold: One Winchester

I have been taking your magazine for quite some time, and recently I renewed my subscription. This proves that I like your magazine a lot.

I read your article "Shatterproof Glass Barrels!" by William B. Edwards. I enjoyed the article so much, I called a local dealer. He had one Model 59 Winchester in stock, so I purchased same yesterday. First chance I get I'll shoot it, probably over the week end. My gun weighs 6 lbs. 11 oz., not 5½ lbs. as you stated.

George E. Thomas Yazoo City, Mississippi

Lady Lawmaker

I think it's just peacby that Senator Margaret Chase "I never touch a gun" Smith is a woman of such rock-bound conviction. I shudder to think, however, that she is serving, of all places, on the Armed Services Committee. Perhaps she thinks our troops should be armed with snowballs, pea shooters, or hat pins?

Maine voters who do touch a gun now and then should take heed.

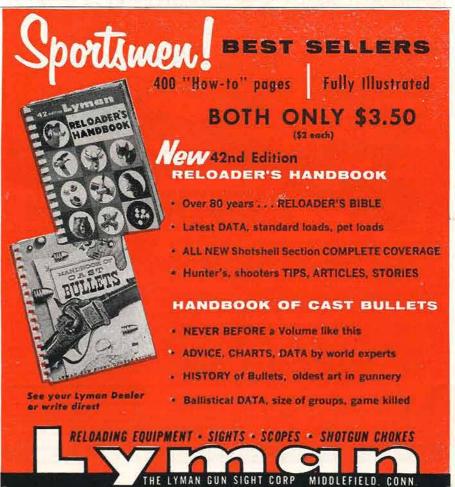
J. R. Fitzsimmons, M.D. Ann Arbor, Mich.

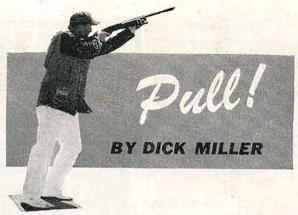
*GUNS, April 1960 "Know Your Lawmakers."



DOWN SHIRT. Wear as light, warm outer jacket or in severe weather as an undershirt. 100% premium quality Northern goose Down insulation gives comfort in temperatures from mild to sub-zero and does not cause perspiration as other insulations do. Action styled tailoring for complete freedom. Silver Sand Rip-Stop Nylon with harmonizing knit collar and cuffs. Matching underpants for \$19.95 plus 50c for shipping. Complete suit \$39.90. Sizes: S-M-L-XL.

SEATTLE 22, WASHINGTON Dept.





OUTH DOMINATED the 17th running of Lincoln Park Gun Club's fixture, the always popular Great Western Skeet Tournament. Youngsters who were not born when the Great Western was first held on the windy bank of Lake Michigan picked up a healthy share of the coveted Great Western awards.

The pattern was set early, when Bob Shuley, 1959 All-Gauge Champion, kept up his winning ways with a Sub-Small championship. Bob teamed with his Dad, All-American Al Shuley, to win the AA two-man team award in the same event.

Eddie Brown, the Birmingham, Michigan lad who pushed Bob Shuley for the big one at Lynnhaven, Virginia last year, kept the ball rolling by annexing the small-gauge championship, and with a perfect century in the bargain. The Brown family made it a clean sweep in the small-gauge event with

the two-man team title, when Eddie teamed with Leland to crack 195 of the required 200.

When the sub-small and small gauge firing was out of the way, it was still Brown and Shuley, Leland Brown broke them all for the 20-gauge championship. Bob Shuley dropped a rare taget to settle for the AA ribbon, Ed and Leland Brown again took a two-man event, Class AA. Jay Schatz and Tiny Lofgren were the 20-gauge champions,

Come Sunday and the all-gauge events, it was youth again in the ascendancy. Dave Hussey, a 16-year old from Norridge, was the all-gauge champion, and Bob Shuley showed his heels to a classy field with 389x400 for the all-around. Jack Eliot salvaged a little glory for the adult shooters by posting a top 390x400 in winning the industry all-around.

Another pair of youngsters, Michael and Marge Annan, from Aspen, Colorado, ski lodge operators, shooting in their first year of skeet competition, almost stole the show from all the big names. The popular and personable young Annans walked away with fifteen awards, eleven to Marge and four to Mike.

Here is the box score for the always great Great Western:

SUB-SMALL GAUGE

Champion—Boh Shuley, Roselle, Ill.— 95x100

AA-Chet Crites, Detroit-95x100

A-John Matchette, Milwaukee-92x100

B-Bob Lavahn, Berwyn-86x100

C-Everett Wilson, Northbrook-86x100 TWO-MAN TEAMS SUB-SMALL GAUGE

Champion—Chet Crites and Howard Confer, Detroit—187x200

AA-Bob Shuley and Al Shuley, Roselle, Ill.-186x200



At Great Eastern, skeeters study wind and light on the Lincoln Park ranges.

A—John Matchette and John Ernst, Milwaukee—180x200

B-Marge Annan and Mike Annan, Aspen, Colorado-160x200

LADIES SUB-SMALL GAUGE

Champion-Marge Annan, Aspen, Colo.-

AA-Jeanne Shields, Grand Rapids, Mich. -85x100

A-June Swengel, Wheaton, Ill.—84x100 PROFESSIONAL

Jack Eliot, Chicago—95x100 SMALL GAUGE

Champion-Ed Brown, Birmingham, Mich. -100x100

AA-Howard Confer, Detroit-97x100

A-Charles Shedd, Chicago-98x100

B-John Matchette, Milwaukee-96x100

C-Fred Brunner, Palatine, Illinois-95x100

TWO-MAN TEAMS

Champions-Leland and Ed Brown-195x200

AA—Guy Rodrick and Jay Schatz, Chicago 194x200

A-John Ernst and John Matchette-193x200

B-R. Dodd and E. Dodd, Indianapolis, Ind.-188x200

LADIES

Champion—Lee Mabie, Evanston, III.— 97x100

A-Marge Annan-84x100

B-Mrs. G. H. Singer, Sewickley, Pa.-75x100

Professional—Jack Eliot, Chicago—99x100 TWENTY-GAUGE

Champion—Leland Brown—100x100 AA—Bob Shuley—99x100



image, the sharp detail of the magnified target. See how

quick and easy it is to get on your target with only the cross-

hairs to align. You'll like the many K Model features-fixed

reticule combined with internal adjustments-hermetically

sealed lenses-compression Neoprene O-ring sealing of all

threaded joints . . . plus nitrogen processing to prevent fog-

ging. Model K prices range from about \$35 to about \$60.

FREE
New 32-page
full-color catalog on WeaverScopes and Mounts

Name_

Address_ City____

Zone___S

61960 W. R. Weaver Company

e___State_

Dept. 43 W. R. WEAVER CO. El Paso, Texas

THE WORLD'S MOST USED, MOST PROVED SCOPE

A-Jay Schatz-98x100 B-Dan Niederer-100x100 C-Ed Schafer-96x100 D-Everett Wilson-99x100 TWO-MAN TEAMS

Champions-Jay Schatz and Tiny Lofgren -196x200

AA-Ed and Leland Brown-196x200 A-R. Dodd and E. Dodd-194x200

B-Jewel and Walter Chatten-187x200

C-Marge and Mike Annan-189x200 LADIES-20 GAUGE

Champion-Jeanne Shields-96x100 AA-Jewel Chatten-95x100

A-Ann Francis-95x100

B-Marge Annan-94x100

Junior Champion-Leland Brown-100x100 Junior Runner-up-Dan Niederer-100x100 Industry Champion-Dave Yeager-100x100

ALL-GAUGE

Champion-Dave Hussey, Norridge-100x100

AA-Bob Guthrie, Indianapolis-100x100 A-Henry Alcus, Baton Rouge, La.-100x100

B-Ernie Niederer, Elmhurst, Ill.-99x100 C-Everett Wilson, Northbrook, Ill.-99x100

D-Mike Annan, Aspen, Colo-97x100 TWO-MAN TEAMS

Champion-Joe Bullaro and Harry Altice, Chicago-200x200

AA-Gene Kujawa and Bob Guthrie, Indianapolis-199x200

A-Carl Stutzman and John Carver, Peoria, Ill.—198x200

B-John Schilling and John Tuchek, Gary, Ind.-192x200

C-Don Basler and Everett Wilson, Northbrook, Ill .- 194x200

FIVE-MAN TEAMS

Champions-Joe Bullaro, Harry Altice, Bob Shuley, Al Shuley, Jay Schatz-494x500 (Lincoln Park Gun Club)

AA-Crooked Creek Gun Club, Indianapolis, Ind.-492x500

A-Peoria Gun Club, Peoria, Illinois-485x500

B-Northbrook Gun Club, Northbrook, Illinois-482x500

C-Northbrook Gun Club-474x500

LADIES

Champion-Lee Mahie, Evanston-97x100 AA-Jewel Chatten, Quincy, Ill.-96x100 A-June Swengel, Wheaton, Ill.-95x100 B-Marge Annan, Aspen, Colo.-96x100 Junior Champion-Bob Shuley, Roselle, Ill. -100x100

Industry Champion-Jack Eliot, Chicago -99x100

ALL-AROUND

(Based on 400 targets-100 each sub-small, small, twenty, and all-gauge) Champion—Bob Shuley—389x400

AA-Chet Crites, Detroit-387x400

A-Carl Stutzman, Peoria, III.—381x400 B-Murray Horwich, Chicago-370x400

C-Dino Buralli, McHenry-373x400

D-Marge Annan-359x400 E-Mike Annan-357x400

LADIES ALL-AROUND

Champion-Lec Mabie-368x400

AA-Jeanne Shields-364x400 B-June Swengel-347x400

B-Marge Annan-359x400



Prices subject

without notice

*Under Marlin

Pay-Loter Plan

to change

Buy GUNS QUARTERLY Now

Suck-Buster!



This Marlin Micro-Groove Model 336 Carbine. chambered for .30-30, .32 Special and .35 caliber loads, is a coast-to-coast favorite of big-game hunters -because it packs a punch that plows through brush and clobbers deer for keeps!

Like all Marlin rifles, this rugged game-getter has Micro-Groove Rifling, an exclusive Marlin advantage -16 shallow grooves instead of 4 or 5 deep ones grip

the bullet firmly, reduce gas leakage, prevent "muzzle flip" and bullet wobble, give up to 25% better accuracy!

You save \$10 when you buy the Model 336 and Marlin Micro-Power Hunting Scope "combo." In 21/2 X or 4X, this quality scope has coated lenses, eve shade, positive click adjustments for windage and elevation with weatherproof caps. Receiver is drilled and tapped for easy mounting - all mounts included.

All Marlin Model 336 high-powers have these quality features: 6- or 7-shot tubular magazine; solid-top receiver with automatic side ejection; 2-piece firing pin prevents firing before gun is fully cocked; gold-plated trigger; drilled and tapped for Marlin Micro-Power Hunting Scope or Lyman 66LA peep sights; blued steel barrel made of Special Analysis Ordnance Steel with crowned muzzle; stock of high-grade walnut, with special weather-resistant finish; hard rubber butt plate with white liner-cushion. Model 336 Carbines are priced at \$82.00, only \$8.00* down; with 4X Marlin scope, \$121.95, only \$12.00* down.

> MARLIN MODEL 336 "TEXAN" is a western-style carbine with straight grip for fast removal from saddle scabbard, available in .30-30 or .35 calibers. Priced same as Model 336 Carbine.

MARLIN MODEL 336 SPORTING CAR-BINE has 3/3-length tubular magazine with 6-shot capacity, available in calibers .30-30, .32 Special, .35; also .219 Zipper for varmint-shooting, Priced same as Model 336 Carbine.

has Micro-Groove®

Marlin Firearms Co., New Haven, Conn., U.S.A.

Please send me the new 90th Anniversary Marlin illustrated catalog in full color, plus illustrated booklet on telescopic sights. I enclose 25¢ to cover handling and mailing.

NAME.

ADDRESS.

ZONE_



GERMAN 37 MM ANTI-TANK GUNS



Manufactured by Bofers for the German Army in WW II. These light weight guns were the pride of the Africa Corps and went with the German paratroopers into Crete. The gun is easily disassembled for transportation and is ideally suited for transportation and is ideally suited for transportation end is deally suited for towing behind vehicles. Rubber tires are in excellent condition—overall condition of guns is GOOD. Complete with spare parts kit (may be missing a few parts or tools), sub-caliber unit for firing rifle cartridges, and telescopic sights. Weight, approx. 700 lbs. length 12 ft. PRICE.... \$200.00 FOB Bogota, N. J.

Ammunition available—Armor piercing

Ammunition available—Armor piercing or ball....\$2,50 per rnd., Blank ammo.\$1,50 per rnd.

Approx. shipping charges, East coast —825.00; Rocky Mts. 835.00; West coast

GERMAN RHINEMETAL 37 MM ANTI-TANK GUNS (PAK38)

In excellent condition, complete with spare parts kit, telescopic sights, & many other accessories. Ideal for shooting or display. Weight approx. 300 lbs. Length 12 ft.... \$300.00 FOB Bogota, N. J.



GERMAN EGG GRENADES

Manufactured in Sweden for the German Army in WW II\$3.00 ca. ppd.

RUSSIAN PTRS—Semi Automatic Anti-Tank Rifle, 14.5 MM complete with 100 rnds of ammo....\$250.00 FOB Bogota, N. J.

RUSSIAN PTRD—Bolt Action Anti-Tank Rifle, complete with 100 rounds of ammo ...\$200.00 FOB Bogota, N. J.

BELGIAN FN—Semi automatic Rifles cal. 8 MM—SPECIAL......\$47.50

THIS MONTH'S BLASTERS SPECIAL

9 MM LUGER \$4.50 per 100

U.S. M-8 BRITISH WEBLEY

* FLARE PISTOLS

- U.S. M-8 Flare Pistols, 37MM-New. . \$7.50 ea.
- 25MM Webley Flare Pistol...... 7.50 ea.
- Special collection of 5 different Flare Pistols—complete with 2 flares \$29.95 for group
- 37MM Parachute Flares 1.50 ea.
- 37MM Signal, Sound, & Flash Shells. . 2.50 ca.

...FLARE SPECTACULAR...



SALVAGERS SPECIAL

20-06 loose, good shape—clean but not guaranteed. Bullets and powder in excellent condition. 25.06 per 1000 30-06 dirty—some split necks, but generally good. 15.00 per 1000 MINED 20-06 & 30-40 Dirty & split necks sold as is for breaking down into components 10.00 per 1000

30-30 WINCHESTER F.M.J.

AMMO-ideal for plinking. Supply extremely limited. 9.50 per 100 303 ENFIELD 5-SHOT CHARGER CLIPS... 3 for 1.60 ppd.



FRENCH CHAUCHAT—Complete and in excellent condition—\$19.95... A few choice ones at—\$29.95



HAND GRENADES

The famous PINEAPPLE of World Wars 1 and 2—new but unloaded. Price—\$3.00 ea, pp. The new U.S. offensive type grenade—smooth body (new unloaded)—\$3.00 ea.

ZF-41 SCOPES—long eye relief, light weight-compact and rugged, German craftsmanship . . . internal adjustments 2½X complete with standard mounts \$19.95.

SERVICE ARMAMENT CO. 8 EAST FORT LEE RD BOGOTA NEW JERSEY



THE OUTLAW TRAIL By Charies Kelly (Devin-Adair Co., New York, 1959, \$6,00) A revised and enlarged edition of the story of Butch Cassidy and "The Wild Bunch," first published in 1938. Complete with guns, gunplay, and some of the most romantic names in Western legend ("Hole-In-The-Wall," "Robber's Roost," "The Sundance Kid"), this is a well-written biography of a man who cut a sizeable swath of crime from Wyoming to Mexico and into South America.

ROY BEAN, LAW WEST OF THE PECOS By C. L. Sonnichsen

(Devin-Adair Co., New York. 1959, \$4,00)
Sonnichsen is a VIP among chroniclers of
Western Americana, and this is a re-issue
of one of his best titles, the story of one of
the West's immortals. Much of the Roy Bean
story is legend, of course; but Sonnichsen
tells it without illusion, winnowing the true
from the false without loss of flavor.—EBM

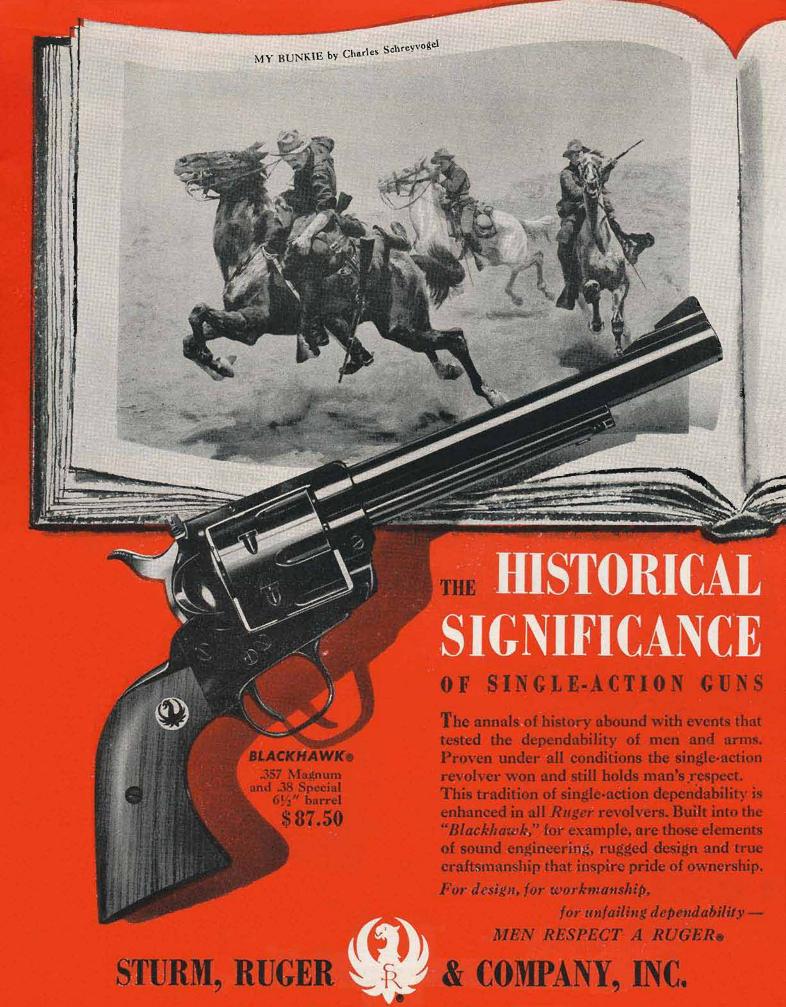
THE GUN DIGEST 1960 (14th Ed., 324 pp.) Edited by John T. Amber

(Gun Digest Co., Chicago 6, \$2.95) If you like Guns Magazine, you'll like "Gun Digest"—and for all-'round attentiongetting, the 1960 edition is top. There is some fine stuff on miniatures, on Civil War arms, on seldom-seen automatics, like the Astra machine pistols. If you're an armchair general, survey the world's current military small arms with Jac Weller, or chew over the machine gun mix-up with Mel Johnson. Nostalgic? Try Days of the Krag with Col. Whelen. Pistol fan? Dig in to Handgun Review, Handguns For Hunting, Sixgun Miscellany . . . Baron Engelhardt's continuing "immortal" classic, the story of proof marks, this issue treats of Proof In Modern France. And Bob Wallack for the domestic makers and Bob Brenner for the importers due it out verbally on War Surplus Weapons. Indispensable are pix, price, and details on all US sporting arms. Budget \$2.95 for the Digest. You'll want it.- WBE

EUROPEAN HAND FIPEARMS

By Jackson and Whitlaw (Quadrangle Books, 119 W. Lake St., Chicago 1, Ill. \$25)

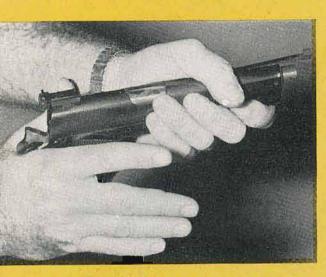
I well remember being offered an original copy of this famous and scarce book for "only \$250." Now this lavishly illustrated reprint is available from the U.S. distributor as above. Nearly 150 weapons are photoillustrated, including the clusive "Edinburgh Castle pistols," written up some years ago in our story The Great Scotch Pistol Mystery, by Ian Finlay of the Royal Scottish Museum. These gold-mounted John Campbell pistols were stolen, removed to America, and now repose in some collection here. The Scottish Government has several times offered to buy these national treasures back at a good price. without success. There are some few errors which later research has set right, but this volume is well worth having.-WBE.



7 Lacey Place, Southport, Conn., U.S.A.



He Broke the



Jam pistol solidly into hand and then wrap those fingers tightly is Clark's grip system.



Only civilian national pistol champ has no secrets in his guns: tuned up .45, .38 conversion, and .22.



His Ruger has custom grips to match feel of his Colt .38, .45.

IN 1958, JIM CLARK BROKE THE LONG-TIME "MEN IN UNIFORM ONLY" GRIP ON THE NATIONAL PISTOL CHAMPIONSHIP





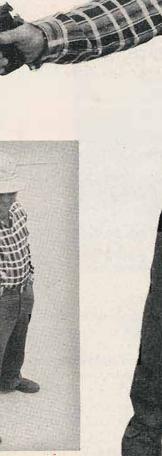
Pistol Title Jinx...

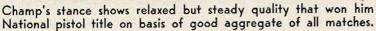
"THE MOST IMPORTANT SIX INCHES in competitive pistol shooting," says Jim Clark, "are the inches directly between the shooter's ears."

Clark's record entitles him to opinions about pistol-punching paper targets. That record includes many major-tournament victories, a dozen and a half national records, and a houseful of trophy hardware. But the thing that makes James E. Clark, the pistolsmith from Shreveport, Louisiana, completely unique in the world of handgun shooting—and perhaps the thing that best proves the above statement—is the fact that he is the only civilian ever to have won the National Pistol Championship.

It happened at Camp Perry, of course, in August of 1958. The men and women who fired those 1958 matches will not forget them. Shooting conditions can be rough there on the shore of Lake Erie, and the weather during "pistol week" in 1958 was less than ideal, to put it mildly. Scores suffered, and so did the shooters. Among the select coterie of top Masters who might win, it was a battle of nerves, of concentration, of trying to outguess the weather gremlins.

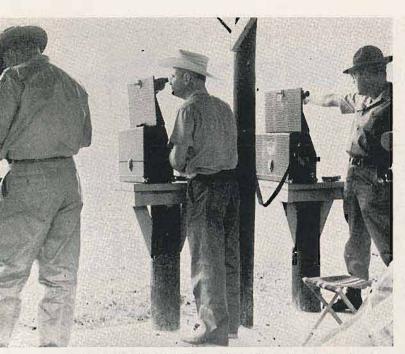
Competitive shooters without exception believe that no sport applies greater pressure, produces more tension, than the shot-by-shot ordeal of big-time target competition. One point lost on one shot can put you three or four—or even a



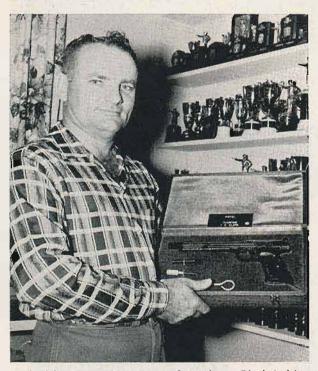


17

By GRITS GRESHAM



At "Holiday in Dixie" matches Clark, typically the lone civilian among uniforms, spots careful shots that win.



Backed by impressive array of trophies, Clark holds gold-lined Model 41 pistol he got with champ title.

dozen—places down in the final ranking. Even under ideal conditions, when "all you have to do is hold and squeeze," the strain is terrific. It's worse when winds are gusting your gun off target and light is affecting your sight picture. Multiply this by 270—the number of shots to be fired—and you begin to get the picture.

If you're not familiar with the course of fire in U.S. pistol competition, it consists of 90 shots with a .22 caliber gun, 90 more with "any centerfire pistol of .32 caliber or larger," and 90 more with a .45 caliber pistol. With 10

points possible on each shot, the perfect aggregate score would be 2700. For many years, a score of 2600 out of 2700 was considered as "impossible" as the four-minute mile. Even today, the "2600 club"—composed of shooters who have broken that magic score—is one of the most select and restricted groups in sport. Jim Clark is a member.

He didn't break 2600 at the 1958 National Matches, however. In fact, nobody paid Jim Clark much attention. He was near the top but did not win the first day's .22 caliber matches. He was near the top but did not win the Center Fire competition. He was near the top but did not win the .45 caliber matches, either. But those near-the-top scores added to a grand aggregate score of 2598—to top the best efforts of 1300 of the country's finest handgunners and make him National Champion.

"So?" you say. "Somebody has to win, no? Somebody wins every year, yes? So what makes this different?"

What makes it different was that Jim Clark was (and is) a civilian. Throughout all the many years of competition, the National Pistol Championship had gone always to a law enforcement officer or a member of the Armed Forces. These men are "professionals" at least in the sense that they use pistols in their everyday work. Many of them, particularly in late years with the development of the special Marksmanship Units in the various Armed Forces, are not only furnished guns and ammunition but shooting practice is made their full-time occupation. Jim Clark has never had these advantages. He fires his own guns, his own ammunition, on his own time.

In the 1959 National Matches, Jim bettered his winning 1958 score by four points, shooting a 2602x2700, with 106 X's. But the scores were higher this time, and Clark came in fifth overall, with Joe Benner firing a 2615 to take the crown. Jim won the Civilian Championship; all four men who topped his score were in uniform.

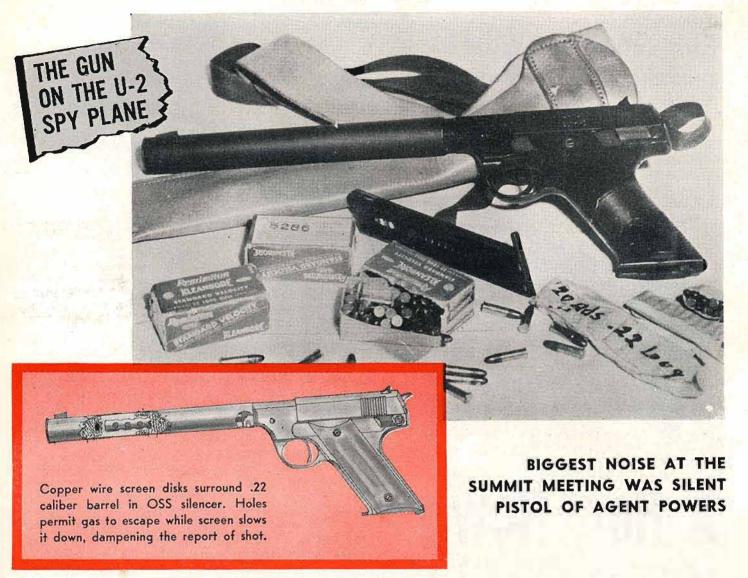
How is he able to overcome the obvious advantages of unlimited time, facilities, ammunition, coaching, and practice that has always—except once—brought a "service" shooter through to the crown? The answer could be that he also has all of these advantages for developing his skill, but such is not the case.

Lack of time limited his practice to six sessions in the year 1959 up until May 2, which was the date of the "Holiday in Dixie" Pistol Matches in Shreveport. Despite that lack of practice, he fired an amazing 2642, the highest score of his career. It set a new civilian record, yet he lost the match by four points to Lt. David Cartes, of the U.S. Army Advanced Marksmanship Unit. Cartes had been with that Unit for five years. His one assignment has been to become the best pistol shot possible. In contrast, with a half dozen practice firings, Jim Clark was only four points shy.

At the Louisiana State Pistol Championships in September, Jim set another new national record, this time in the .22 Rapid Fire Course. His score of 200-18X upped the old mark of 200-17X. In the same meet, he equalled another national record which he holds, by firing another 299x300 in the .22 National Match Course. Even in equalling it, however, he made it more difficult to break, since in the rapid fire phase of it he shot a perfect 100. His old record was set with a 99 in rapid fire—which is the event used as a tie-breaker under the Creedmoore system of scoring.

There must be some explana- (Continued on page 40)

Francis Powers' Pistol



By GEORGE B. JOHNSON

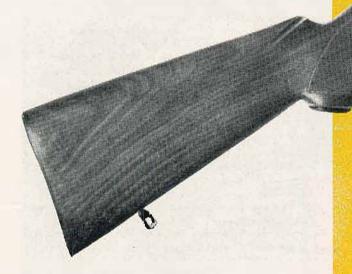
O N MAY 1, 1960 a much misunderstood firearm accessory was blasted into world attention when a "U.S. spy plane" was forced down in Russia. Given star billing along with the captured pilot, a truck load of scrap aluminum, and a poison needle, was a "noiseless pistol." The old fashioned, American-invented silencer has not received so much attention since its birth in the early horse and buggy part of this century; and here it was playing a bit part in this drama of the atomic age. The weapon displayed by the Soviets was a .22 caliber Hi-Standard Automatic Pistol with a tubular silencer encasing the barrel. It appeared to be the H-D Military (HDM) model as used by the Office of Strategic Services in their behind the lines work in World War II, fitted with the regulation High Standard "wire screen" silencer barrel.

As a "gun expert" in a small town I suddenly had to answer a lot of questions about "noisless guns." Young hunters wanted to know if they could be used in shooting varmints with their .222. Only the senior sportsmen remembered much about the (Continued on page 47)



Before anti-silencer law of 1934 Maxim firm did small business in sound moderators for hunting guns. ELMER KEITH REPORTS ON

SHOOTING TESTS, BILL EDWARDS SKETCHES HISTORY OF



A Hot, New Winchester **Automatic**

By ELMER KEITH

TINCHESTER'S NEW auto-loading rifle, the Model 100, is an entirely new concept in auto-loading actions, taken from the M-14 military rifle, which Winchester also manufactures, and applied to a sporting rifle. The important feature is a cut-off gas expansion system, that will bleed off the same amount of gas to operate the action, each shot, regardless of powder loads or bullet weights.

Use light bullets or heavy, minimum loads or heavy charges, and the gas chamber meters off the same amount of gas for each shot. This makes for a very smooth, uniform, auto-loading action.

The gas chamber and piston comprise the assembly. that bleeds off the operating gas from the bore, and is fixed to the barrel by a dovetail member. The gas cylinder is connected to the barrel through a gas port. A slot about three-fourths inch to the rear of the gas port provides a vent to the outside. The piston, which is a close fit within the gas cylinder, is connected to the action by double operating rods. It is hollow, to provide adequate volume area in a minimum of space.

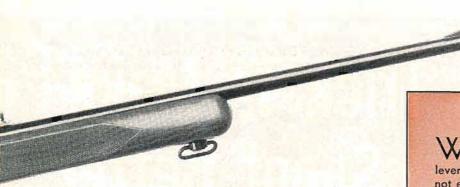
A hole in the piston wall permits gas entry to initiate piston movement. As the bullet moves down the bore and passes the gas port, gas flows into the cylinder. This gas, acting in all directions, pushes the piston and slide to the rear. This in turn moves the piston, closing the gas port. and cutting off any further gas supply. It meters out the exact amount needed to operate the action each shot.

The gas trapped inside the cylinder expands against the piston for approximately three-fourths of an inch, at which time the piston gas port reaches the slot in the cylinder and vents the gas to the outside. At this point of piston travel, the major work of opening the action and ejecting the fired cartridge has been accomplished, and no further gas energy is needed to complete the automatic action.

Operation of the piston movement is controlled by gas pressure, and if the pressure of the cartridge is high, the piston moves faster to cut off the gas supply. If a lower pressure load is used, the piston moves slower; but in each case, it meters out the same exact amount of pushing gas to be converted into kinetic energy. Thus this excellent system provides a soft, uniform action operation with all bullet weights.

The rifle utilizes a cam-action rotating bolt that locks at the head of the bolt directly behind the cartridge. The outstanding feature of the Model 100 is the cut-off gasexpansion design adapted from the military M-14 rifle by Winchester.

The new rifle is as streamlined and smooth as a chorus gal, with very good lines. The weight is around 71/2



"Streamlined as a chorus gal," quoth Keith about WRACo Model 100. Absence of gadgets and protrusions on sleek breech is unusual in an auto rifle. New sporter took tough tests okay.

pounds. Barrel length is 22 inches and the one-piece stock design, adopted in the interest of accuracy, has a long forearm of excellent shape for the long-armed shooter. Sling swivels are also provided. Grip and forend are finely checkered, and a good grade of American walnut is used in the stock.

All major action parts are forgings machined for smooth operation and longevity. Three heavy, rotating locking lugs are designed to bear equally on closing. (It is important that they do bear equally. I have found many bolt actions that bore hard on one lug and would not even smear the grease on the other.)

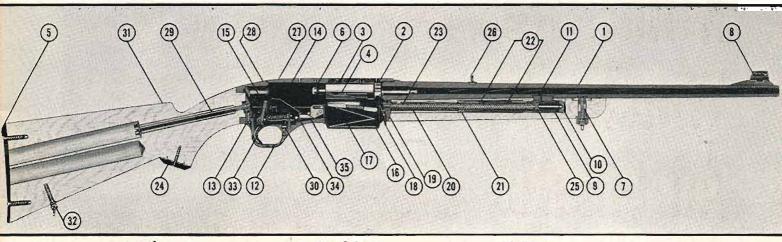
The M-100 is a five-shot rifle. (Continued on page 38)

By BILL EDWARDS

INCHESTER'S Model 100 automatic sporting rifle is a reversal of long time policy with the lever-action bolt-action sporting rifle maker, but not exactly unexpected. From the beautifully constructed Model 1907, through the M1 contractmade Garands of War Two, and the famous Winchester-engineered carbine of David Marshall Williams, to the old-line company's current contract with the Army-designed M-14 rifle, WRACo is no stranger to automatics.

Back in 1917, some unsung inventor polished up the Winchester Aircraft Observer Gun, which to date is the world's first Light Assault Rifle. Designed to be used in a ball mount from an airplane observer Scarff ring, this special-caliber double clip gun showed clever engineering and brilliant workmanship. Such a rifle would be a serious article in the market if made today! Instead, of course, Winchester has a first-class light rifle in the .222-.224 class which is in the mainstream of infantry arms development right now. The Winchester Light Rifle is a scaled-down version of the .30-06 caliber Williams Assault Rifle built in test lots only at Winchester on the plans of Carbine Williams in 1944.

This WAR, actually a clip-fed light machine gun, weighs about 15 pounds with bipod and was adopted by the U.S. government (Continued on page 38)



- 1. Barrel
- Bolt
- Bolt Sleeve
- Bolt Sleeve Lock
- **Butt Plate**
- Firing Pin
- Forearm Screw
- Front-Sight-103C-Hooded
- Gas Cylinder
- 10. Gas Cylinder Cap
- 11. Gas Cylinder Housing
- 12. Guard

- 13. Guard Screw
- 14. Hammer
- Hammer Lock
- Magazine Assembly
- Magazine Follower
- 18. Magazine Lock
- 19. Magazine Lock Housing
- 20. Operating Slide Arms
- Operating Slide Guide 21.
- 22, Operating Slide Springs
- Operating Slide Spring Guide
- 24. Pistol Grip Cap

- 25. Piston
- 26. Rear Sight-Lyman 16A
- Receiver
- Recoil Block
- Recoil Block Screw 29.
- 30. Safety
- 31. Stock
- Stock Swivel Screw Assembly 32.
- 33. Trigger
- Trigger Lock
- 35. Trigger Lock Lever

A Trick To Make You Shoot Better

IS A STUNT ANYBODY CAN DO, BUT BINOCULAR SHOOTING HAS ITS PRACTICAL ADVANTAGES TOO

By CLIFFORD W. COX

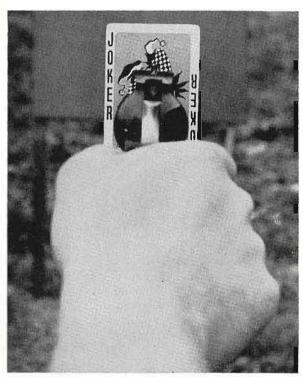
DID I EVER SHOW YOU how I can see a target through a playing card?"

I was pretty young then, and dad and I were shooting a .22 rifle at bottle caps stuck on a fence post. He was always joshing me, and I thought this was just more of the same—until he sent me to the house for a card, punched a hole in it, and put the card on the rifle barrel in front of the front sight. "Now put up another bottle cap," he said.

The idea of hitting a bottle cap you couldn't see to sight on struck me as pretty silly. You could come close, just by lining the rifle up on the post and sort of guessing where the cap was; but to hit that small target at the range we were shooting, the sights had to be on it. . . . But dad hit it. He hit another, and another, and another. It proved to me what I had suspected all along—that my dad was a pretty extra-ordinary fellow. I didn't know then that any shooter can do it. That is, any shooter with two eyes . . .

Ever since sights were put on guns, a lot of people have thought that you have to close one eye to take good aim. This makes about as much sense as saying that you could run better if you had only one leg. Two eyes give you visual advantages you just can't get with one eye—and I don't mean "seeing through a playing card," either. The playing card trick, however, is a way to prove it.

Try sighting a gun with both eyes open, without the playing card. If you've always used one eye for sighting, the first time you try it with both eyes open you'll probably wonder how anybody can do it. You'll get a double image, and you won't be able to fit the sights into either image. Try closing the eye you usually close for sighting, get the sight picture fixed—then open the closed eye slowly. When the double image comes back, do the same



With front sight blocked, target cannot be seen by right-eyed aimer. But, you're right, there is . . .

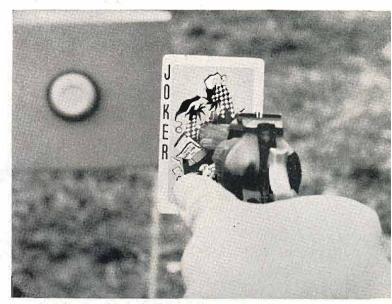
thing again. Each time you do it, the sight picture will hold true for a longer time and you're that much nearer to double-eyed sight vision.

Why go to all that trouble? Two-eyed sighting has many advantages in practical shooting, and we'll go into that later. But first let's complete the story of the playing card.

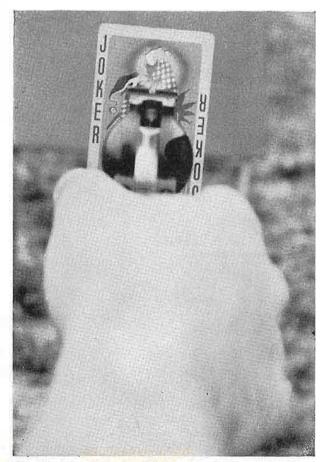
Punch a hole through a playing card or any similarly sized piece of cardboard, and fix it over the end of the gun barrel so that it blocks the line of sight completely. Sighting with one eye, you can't see the target.

Now close the sighting eye and open the other one. You see the target, and you see the barrel of the gun slanting away at an "unnatural" angle. You can't tell whether the sights are on target or not.

Now open both eyes. Now you see the sights, and the card... and you see the target and the slanting gun barrel. Probably you see them as double images, both fuzzy. But keep looking. Gradually, the two images merge and you actually seem to see the target through the card. The target image may be blurred, but it's there—and you can hit it. The more you practice, the (Continued on page 46)



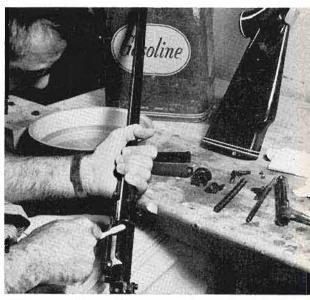
... A joker in the deal. With left eye also open, image of clay bird will register to permit you to take aim.



Through practice, you will be able to "see" phantom clay bird through the card, making a hit. Stunt is a true exercise of skill, not a cheat or childish trick.

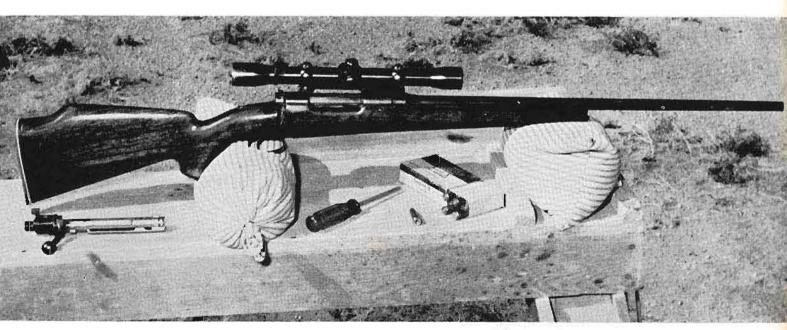
Guard screws do shoot loose. Turning them all the way in and a quarter turn more will set action solidly into the stock.

TUNE UP



Solvent session will clean grease and dirt out of bolt recesses, permit localizing any extra friction for oil-stone attention later.

By ROBERT J. KINDLEY



Haven't hunted since last year? Check your stock bedding and sights in an hour at the range. Even frequent range shooters should again check their rifle(s) zero before getting away on hunting trip.

NOW FOR HUNTING HITS

AN OUNCE OF PREVENTION CAN SAVE A PINT OF TEARS;

AND A TIGHTENED SCREW CAN BE THE DIFFERENCE BETWEEN A HIT OR A MISS

TOO OFTEN, FAILURE to put meat in the pot or bring home a handsome trophy hinges on some minor, overlooked detail. It doesn't take much to foul up a hunt. Bad ammo or a slight mechanical defect in your favorite smokepole can ruin an expensive and long-anticipated jaunt.

Loose receiver sight or scope mount screws will make the most accurate rifle spray slugs like a water hose. A tiny burr in the receiver can jam any rifle. Combine an action full of grease or oil with zero weather, and you're in trouble. Wrong ammo? It happens. A .30-06 simply won't digest .30-30 fodder. A silly blunder, yes; but it happens.

Details? Sure, but each has cost many a hunter a trophy, or sent him home empty-handed. If they do occur, there's little sense in curing them after it's happened. The remedy has to be made before you're ten miles up in the back country. The application of a little common sense and elbow grease now is the best hunter insurance in the world for this coming fall.

If your pet hunting rifle is a bolt action, break it down completely. Remove the bolt, unscrew the guard screws, and lift the barrel and action out of the stock. Give the action a thorough scrubbing with a good solvent and a tooth brush. This dissolves and removes any grease or dirt that may have accumulated.

Now, strip the bolt. Soak all parts in a pan of solvent. Scrub out the inside of the bolt. Dry all parts and re-assemble. Don't worry; the bolt will operate even though dry. If you must lubricate, do so sparingly. Use a very light, non-congealing oil like Anderol or Fulcrum, a hi-low temperature grease like Lubriplate, or powdered graphite.

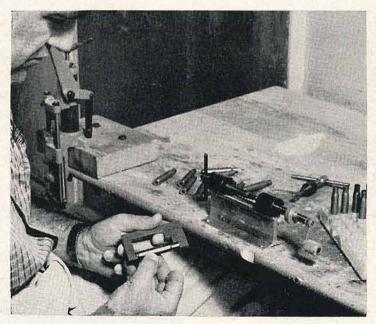
Be sure to waterproof the barrel channel and action cuts of the stock. A custom-built job will have these spots finished. A commercial stock will have raw wood under the barrel. Apply several coats of G-B Linspeed oil, or a heavy coat of a good paste furniture wax. A liberal coating of waterpump grease will protect in an emergency.

Pump and lever action rifles need similar treatment. However, unless you're a darn good kitchen mechanic, don't remove the innards from your lever action. It will happily disgorge miscellaneous small parts that have a nasty habit of becoming lost or of not going back where they belong.

Open your lever action and give it the tooth



Tool kit is often needed on the hunt. Taped Hoppe's bottle and German G.I. pull-thru are good field cleaning aids.



Attention to details of handloading your hunting ammo may help your shooting. Length gauge sorts too-long cases.

brush and solvent treatment. Now take it down to the nearest service station and work it over with the air hose. Use a little powdered graphite on moving parts, and you're in business.

Remember, lever actions are particularly sensitive to grease and cold weather. Grease in a Savage 99 in zero weather cost a buddy of mine a nice buck. We were hunting the Mt. Taylor area in New Mexico at about 8000 ft. The snow was a foot deep and the thermometer around zero. About ten minutes out of camp, my partner spotted a big, eight-point muley. He flipped the Savage to his shoulder, squeezed the trigger, then frantically yanked at



Here Kindley trims case neck before loading to prevent chance of stretched fired case from jamming bolt motion.

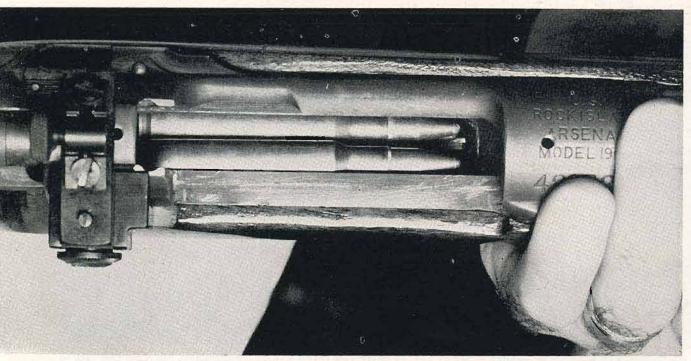
the lever. He repeated the performance three times but nary a cap busted until the fourth try. By this time a miss was understandable.

I dug the three unfired cases out of the snow for post mortem. Each primer had a shallow indentation but not deep enough to set it off. Congealed oil around the firing pin spring just wouldn't let it hit hard enough. A little stove gasoline sloshed into the action back at camp did the trick.

Sighting-in before a hunt is only good common sense. If your rifle has been in the closet or gun cabinet since last season, don't assume it's still shooting where it did last fall. A lot of things can happen. Hot summer air or dry winter heat can take enough moisture out of the wood to loosen all the screws. A stock can warp. The resulting change in pressure on the forearm tip can change the point of bullet impact several inches. Or your rifle may have been dropped or accidentally knocked over without your knowing it.

First, make sure all guard, scope mount, and receiver sight screws are tight. With iron sights, be sure to check the front sight, too. Blades and beads often get knocked out of alignment. When sighting-in, rest the forearm across a firm, padded support. A sand bag, rolled blanket, folded jacket, or a bedroll makes a fine rest.

Start your sighting in shots from a cold barrel. Wait long enough between sighting shots to permit the barrel to return to normal temperature. A hot barrel may shoot inches off the point of impact attained with a cold barrel—a fact that not only complicates sighting in but may cause misses on game. In sighting in, the point of impact may "travel" as the barrel heats up from firing, causing you to use up more ammunition and possibly awakening doubts as to the accuracy of the rifle. Your first shot at game will almost invariably be from a cold barrel, and since that will usually be the most carefully (Continued on page 62)



Soft-points may batter during recoil in magazine built for longer military ammo. Here Hornady 150-gr. spire points are shade shorter in Springfield than '05 cartridge but not enough to cause any trouble.



hobby is that the makers were rarely out-and-out gunsmiths. Usually they described themselves in newspaper ads, county directories, etc., as bellhangers or blacksmiths. It often takes a good deal of sleuthing to relate even a signed gun to its maker and point of origin.

The surest way to identify a Canada Rifle is to study the gun itself. When one knows what to look for, this type is just as distinctive as the Pennsylvania and Northwest varieties.

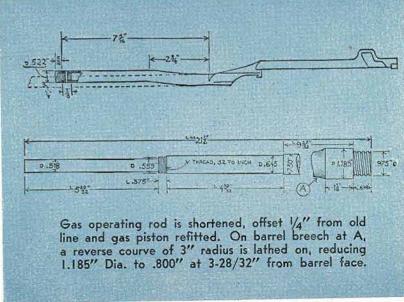
The Canada Rifle is noted for its astonishingly heavy octagon barrel, ranging up to and even beyond .60 caliber.

In the later 19th century at least, the stock was half-length, usually with a castingmetal forepiece. Near the lock, the stock was often heavily-proportioned, reminding one of the Canada Rifle's British ancestry. The butt, however, was frequently quite light, with the more-or-less pronounced "Roman nose" droop of the Pennsylvania long gun. Cheekrest and patchbox were optional. (Continued on page 51)



YUN ENTHUSIASTS have been altering mili-U tary rifles into sporters since the first military rifles were issued: and why not, since the same characteristics-simplicity, strength, dependability, power-are required by both? The one thing lacking is beauty, and coversions have turned drab military weapons into some of the most beautiful sporters in the world. How extensive (and how expensive) such conversions need be depends solely on how much a man is willing to spend, in money and/or personal effort, to make his rifle fit his personal needs and his personal fancies. The rifles themselves are relatively cheap; parts, produced on a military scale, are both cheap and plentiful. as is ammunition. You can convert on a bargain basis, or —the sky's the limit.

The U. S. Army caliber .30 M1 rifle, commonly known as the Garand, is now available to sports.



men; and contrary to some opinions, these semi-automatics can be converted into excellent sporting rifles. Reliable functioning of the Garand has been proved in combat, and a few evenings over a metal lathe can transform the pugnacious M-1 into a remarkably dapper sport model.

The first requirement is, of course, a properly tested M-1. Head space should be checked, the rifle fired, and the parts inspected to ascertain that all are functioning properly.

After stripping the rifle, a barrel vice can be used to remove the barrel from the receiver. Most gun shops have such a vice and can remove the barrel if the job is too much for you. Be sure the take-up marks are clear on the barrel and receiver. This is a line stamped across the receiver and the barrel to insure the proper re-positioning of the barrel. When these marks are lined up and the barrel tight, it will have been returned to its exact position in the receiver.

On my first attempt to sporterize an M 1, I found that there were several bugs that had to be removed from my gun for satisfactory results. The operating rod spring refused to function and had to be redesigned. The method of locking the gas cylinder was entirely inadequate. A new barrel was needed because of this locking system failure,



so I decided to try a .25 caliber barrel instead of the conventional .30 caliber. I have used the .257 a great deal; so much that I have a Banta bullet swedge for this caliber. I considered the success I had been having with the .257, and the fact that the bullet swedge made bullets of this caliber cheaper than other calibers, and decided this was a natural for the semi-automatic M-1. I found, however, that the short cartridge would not function satisfactorily from the clip through the loading operation; but there was an obvious answer to that problem—use of the .25 caliber bullets in the .30-06 case. I decided to leave the .30-06 case dimensions as they were to facilitate ease in loading and extracting. This case, neck-sized to .25 caliber, gave me the old Niedner .25-06 cartridge.

A .25 caliber barrel blank with a standard rifling twist was obtained from P. O. Ackley, and my M-1 wildcat sporter began. The dimensions and information detailed here are not necessarily the only or the best; however, my sporter has functioned satisfactorily through more than 2700 rounds.

Measurements for the threaded portion of the new barrel were obtained from the discarded M-1 barrel. It required ten square threads to the inch to thread this for the receiver. The threading operation of the lathe must be thoroughly understood before attempting to thread the barrel. A few practice threads on some waste stock can save costly barrel mistakes.

The end of the barrel, cylindrical at the muzzle, may appear to have an excessive amount of metal removed, but its size is dictated by the dimensions of the gas cylinder lock. This lock must slide over the end of the barrel to the locking threads $5^{20}\%_{2}$ " from muzzle. Other ways to lock the gas cylinder were tried, but none were satisfactory beyond the firing of a few hundred rounds. The dimensions of this section do not appear to hinder the effectiveness of the .25 caliber barrel. I believe they would be satisfactory for a .30 caliber barrel as well.

A great deal of care was exercised in cutting the blank to the described dimensions, so as not to bend or warp the barrel. A steady rest was applied to help eliminate springing of the barrel.

Section D .645" was given a (Continued on page 32)

Slicked-up M-I packs punch. .25-06 chambered design is accurate, functions well. A shorter operating rod and spring with new barrel are major changes. Original gas cylinder is de-lumped, bored to new barrel's dimensions.



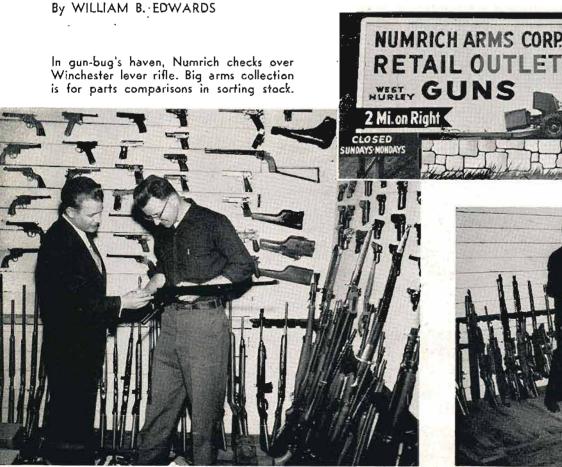


In luxurious office paneled in shotgun stocks, Numrich cuddles Tommy Gun which he builds.

THEN A COMPANY which claims to manufacture more shotguns than any other firm in the world goes to a parts dealer to fill its requirements for major components, there is more to the matter than meets the eye. As Lincoln said of the rat hole, "This bears looking into." And so it is with the remarkable enterprise of George R. Numrich of West Hurley, N. Y. The Empire Stater has built an empire in the gun world, dealing in its smallest unit—surplus parts. His stock is 27 million rifle, shotgun. pistol, and machine gun parts, from the oldest types made to the latest in production. It was with Numrich that Savage Arms Corp. last winter concluded one of the biggest deals, in buying back from Numrich tons of Savage shotgun parts they had scrapped years ago. Under a new brand name, Savage now plans to issue their famous Browning-designed scattergun, and they needed the parts they had once thought were "obsolete."

But the dapper dealer in "gun junk" does not restrict his business to top wholesale levels. From a single screw or pin for an old Russian Model stock to minor manufacturing of a surprisingly large number of now-discontinued components, Numrich has slanted his business for the gun bug. A gun crank himself, he felt back in those early days

BIG BUSINESS in small parts





27.000.000 GUN PARTS

EN 1:00 P.M. TO 9:00 P.M

WANT A COCK FOR AN OLD KENTUCKY? OR A SEAR FOR A NEW

MACHINE PISTOL? CHANCES ARE THAT NUMRICH HAS IT-IF HE CAN FIND IT

post war of 1946 that he might make a business successful if he stuck to a specialty, gun parts—within a specialty—the gun aspect of sporting goods sales. His million-dollar annual business seems to prove his idea successful. And, recently, after 14 years of mail order trade, his five storage and manufacturing buildings congenially flanked by huge "KEEP OUT—BY APPOINTMENT ONLY" signs, Numrich has taken the wraps off a mountain of parts in his new retail store.

A grab-bag to delight gun enthusiasts has been created in West Hurley, under the able managership of Paul Terni. "Numrich has finally done the gun nut, gun putterer, and shooter a wonderful favor," says gunsmith Mason Williams (Shooters Services, Inc., in nearby Stanfordville, N. Y.)

"With reloading supplies and all the gadgets that will delight the gun nut, I think he will hit the jackpot. I really think it is wonderful," Williams exclaims, But it has taken a revolution in the gun business to permit this to come

It is a revolution many gun fanciers have long wanted to see come to pass. Perhaps it may be said to have dated from 1946, the year George Numrich really got established. In those bleak days there was a lot of housecleaning in the gun factories. War contracts were terminated and everything went to the junk pile. Remington Arms, for example, scrapped the fixtures and tooling and parts, mostly uncatalogued, for the New Model Army 44 percussion revolver made during the Civil War in that big factory in Ilion. I remember seeing a New Model Remington cylinder that had been rendered "unserviceable" by compressing it 1/4" under a drop hammer. Aside from being a little bulgy it was brand new. At Colt's, revolver parts, all of value but with no market due to the underdeveloped state of the gun sport game then were (Continued on page 52)

Fastidious automatic pistol collector checks a big Astra .30 army pistol in new Numrich retail store. Salesman Paul Terni wears belted Magnum to discourage crooks.









THE M-I DONS CIVVIES

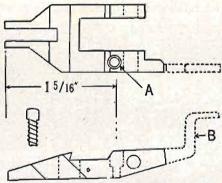
(Continued from page 29)

high polish, because this portion must provide a close fit for the gas cylinder.

The problem of chambering the barrel is best left to a gunsmith. The cost of chambering is far less than the price of the reamers needed for the job. The reamer for my .25-06 was made on the lathe from drill rod. The hand-operated milling attachment did not give the beautifully symmetrical flutes found on commercial reamers, but satisfactory chambering of the single barrel was possible. A drill was used to rough out the chamber, and the manufactured reamer was used by hand to produce the final dimensions. The extractor grooves and the bullet guides were produced by careful hand filing. A barrel vise was used to put the barrel into the receiver and draw marks were stamped.

The gas cylinder now had to be modified to fit the new barrel. The military features were removed and the cylinder rounded and polished wherever possible. This part will not blue, so will have to be darkened in some other way, or left bright.

The fore-end of the stock should not reach to the gas cylinder. This insures the escape of gas with the completion of the rearward motion of the operating rod. Expansion reamers were carefully used to open up the



Operating rod catch is changed: dot lines show metal removed. Drill A is $5/32 \times \frac{1}{4}$ " deep, then 3/32" hole.

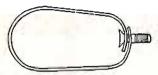
front and rear barrel rings of the gas cylinder. These were reamed to just fit section 0.645" on barrel. A tight fit was produced, but not so tight that the cylinder could not be removed by hand.

The gas cylinder lock should tighten the gas cylinder so it can not turn on the barrel. When the gas cylinder is properly positioned, the lock should require a tap from a mallet to move it the last quarter inch into place. The lock screw can now be inserted.

The operating rod was then changed to function in the altered gas cylinder. It was necessary to put two bends in the modified rod. The first was made upward at the point where the tube is welded to the machined rear portion. A second bend was made 2% inches from this welded point. The bends must bring the operating rod into parallel alignment with the remodeled gas cylinder. When the remodeled rod is at its rearmost position, it must clear the enlarged chamber portion of the barrel.

The heating and bending of the operating rod must be done carefully. Dents or collapsed portions of this tube will impair the functioning of the operating rod spring. This spring is housed in the operating rod and must be kept as free in operation as possible.

A new operating rod tip was turned out on the lathe from corrosion resistant metal. The shank should have a tight fit to the inside of the operating rod tube. The length of this tip was determined by assembling the operating rod and gas cylinder on the barrel. The operating rod tip was cut to a length that placed it just behind the gas port. The tip should still be inside the gas cylinder when the operating rod is at its

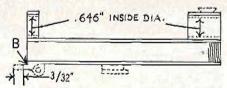


Strap iron is used to make front band with screw held by head inside overlap.

farthest point on its back stroke. The tip was held in place by drilling a 3/32-inch hole transversely through the operating rod tube and tip. A tight fitting pin was driven through, and the ends dressed flush with the tube.

A new gas port was drilled during the fitting of the converted gas cylinder and operating rod. This port was positioned about 4-18/32 inches ahead of the shoulder at position E on the barrel. This point was marked with a punch and the gas cylinder assembled. This mark should be in the center of the port beneath the front barrel band of the gas cylinder. This mark was centered and a new port .055 inch drilled into the bore. A number 54 wire size drill was used for this purpose. This gas port is obviously much smaller than the original. This was necessary because of the increased pressure produced by moving the port closer to the chamber. Excessive gas pressure from this opening could damage the gun and might injure the shooter as well. Anyone contemplating this conversion should heed these gas port dimensions. Enlargement of this port should only be considered after function firing of the weapon proves it necessary.

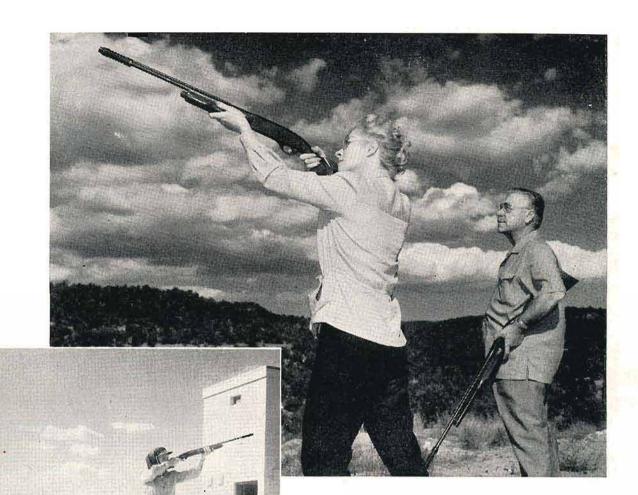
The alteration of the operating rod required a new operating rod spring for proper functioning. This spring was wound on



Knock off bumps; then ream up inside of gas cylinder to slide onto barrel.

the lathe from .047 inch piano wire. The new spring was 11 inches long with an outside diameter when finished of % inch. It was wound with 7 turns to the inch. When the rifle was first used, I also used an auxiliary spring inserted inside the main operating slide spring from the .30 M·1 carbine for this purpose. The hand loads I developed to use in this gun had some trouble overcoming this spring tension in cold weather, so the auxiliary spring was discarded. This spring would likely be needed if a slightly larger gas port were utilized. The .25-06 (Continued on page 36)

GREER GARSON, GUNNER



SCREEN STAR SAYS WOMEN SHOULD
LEARN TO SHOOT FOR SELF
PROTECTION AND FUN

By CLIFTON CAMP

REER GARSON, shown here and on our cover, is not a skeet champion, but she is a champion of skeet shooting, and a lovely example of the vastly growing distaff interest in the shooting sports. Brought up as a child to fear guns, "but fascinated by them even then," Greer Garson now breaks an average 18 out of 25 skeet targets, considers the skeet range one of the best features of the New Mexico ranch home built for her by her crack-shooting husband, oil-man Colonel E. E. "Buddy" Fogelson.

Born in County Down, Ireland, Greer Garson has been a part of the international social and cinema scene around the world; but Forked Lightning Ranch—a fine, rambling, adobe ranchhouse atop a pinon-covered hill overlooking the Pecos River—is, she says, "where my heart is." On

location now for the production of her next picture, "Sunrise At Campobello," in which she plays the part of Mrs. Franklin Delano Roosevelt, Greer is "counting the days" until she and Colonel Fogelson can return to the broad acres, the sleek Santa Gertrudis herds, and the skeet shooting afternoons at Forked Lightning.

Colonel Fogelson and Greer are both Kentucky Colonels, but "Buddy" Fogelson was a Colonel also when he served under General Eisenhower at Supreme Headquarters during World War II. Colonel Fogelson shoots skeet in the high 90s with all gauges, and has a collection of match trophies. He lists, as skeet guns, "shot by both of us," a Remington .410, a Remington Model '48 in 28 gauge, a Winchester 20 gauge, and a (Continued on page 60)



AMERICA'S GREATEST SHOOT

Ye Old Hunder illustrates all weapons by setual unre-toucked shatographs so you can see how they REALLY look!

Your wildest dream come true, true, TRUE!! EAST, WEST, NORTH and SOUTH all cracked at once. The finest rifles—the finest selections from all corners of the globe—all available at one time! EACH and EVERY rifle merits feature billing but all on this spread for

TODAY! THE GREAT CZECH BRNO Cal. 8MM

The Czech VZ 24 Short 98 Mauser. ONLY \$7995

One of the most desirable Mausers ever usade and in great demand everywhere particularly by guismiths who know. The famous, and rare BRNO 98 Mauser. All milled parts, superb workmanship and the sought after 231/2" barrel make this the find of our age. The international fifearms trade are wringing their bands in envy over THIS Ye Old Hunter find, and what a break for you Mauser fans. Today this select gem in tight working order and life still left in the barrels, and at below action alone price. Order now, while this stupendous find is still on hand, 8MM Mauser M.C. ammunition only 86.00 per 100 rounds.

ONLY The famous Spanish "Tigre" M92 Winchester. Winehester (anatics) Here it is! The Spanish made Model 92 Saddle Carbine in Caliber 44 clean shooting condition and ready to go at only \$39.55! Others have charged \$75.00 for the short months ago, but now, Ye Old Hunter, in an exclusive deal with Spain, lockied his raparition to the wall and fled aboard ship with these treasures that won the Spanish West. Do not with Junk relies from the steaming jungles of South America. Shoots the standard 44 available everywhere and at a bargain \$6.00 per 100 from Ye Old Hunter. The year's grantly the standard of t

WINCHESTERITES! The Spanish "Tigre" M92 Saddle C





The perfect little tifle you've all been dreaming about. Genuine Mauser Model 93, small ring cul-down earbines in the ever-popular 7MM Mauser Caliber. One of the smoothest and trimest Mausers ever made at a price which now makes it available to one and all-nonly \$26.95, \$4,000 additional if we select a special select one for you,) Turned down bolt, all milled parts, small ring action, cut-down stock, and \$22" barrel—all yours for sour prompt order, 7MM Mauser M.C. smoon, only \$6.00 per 100.



The most sought after lever action ever—the famous Winchester Model 95. Just what searching for and in the rimmed 7.62 Russian caliber. The rifte designed for shooting a hours on the range—from either shoulder. Your friends will be amazed at your stamina. Tesly favorite model, yours today at a give-away price, and in fair condition. A few in good os \$5.00 additional. In use by the Russians for years, so some will show traces of Trosky's feel Nikita finger prints, but you also can uncover some rifling and original finish. At this price you loose. Others sell the actions for less, 7.62 M.C. anomunition on hand with elips at 8.

FAMOUS 7MM MEXICAN MAUSERS AT LAST!

ANTARA BARARA BA



Ye Old Hunter has finally cracked Mexico and at what delight to American shooters. Now, the famous and deluye deadly Model 95, Caliber 7MM rifte at only \$22.95 in good condition. (Only \$4.00 additional if we select a special good one for yant.) Not \$41.05 as others have sold them for, but a mere \$22.95, Shoots the famous effective 7MM Manger cartridge available everywhere in hunting loads, and bargain M.C. loads available from Ye Old Hunter at only \$6.90 per 100 rounds. Only slightly less than 100.000 in stock so be sure to order NOW to protect YOURS! Do not let others steal the show on this masterpiece.



M-1 GARANDS (Cdl. 30-05) and only Yes, Ye Old Hunter, the Guantanamo Buddha of the gun traders of the world, begins a new year and new decade with the greatest rifle bargain ever found a granter shipment of "The finest rifle ever made". Yes, tens of thousands of ORIGINAL GARANDS, all in v. g. or better condition, all manufactured by SPRINGFIED ARSENAL in cheap contract jobs), all in the world's greatest cartridges, 30-06, and all at a price EVERYONE can afford the property of the state of the s

. BEAUTIFUL GERMAN-MADE ARGENTINE MAUSERS!



Never. NEVER, NETER! has such a Mauser bargain been available. UNBELIEVABLE, From any one else but VE GLD HINNTER! has such a Mauser bargain been available. UNBELIEVABLE, From any one else but VE GLD HINNTER! R WOULD be unbelievable, You've paid more for bula hoops than for THIS MANTERPIECE, Bur now while thus supply lasts. THINN OF IT—an original German issue Mauser ride in ALMOST NEW condition throughout manufactured in the prime vintage years with maturally—naturally—all. MILLER VALUE ALL MILLER VALUE CALLED VALUE AND MAUSER CALLED VALUE VALUE AND MAUSER CALLED VALUE VALUE

U. S. ARMY MODEL 1917 CALIBER .30-06 RIF Cal. .30-06 Virtually unfired . . . fresh from government cases.

All milled parts. All N.R.A. Very Good - or Better! TIRED OF PAYING OVER \$40 FOR A U.S. ARMY 30-06 RIFLE: So was Ye Old Him went out and now brings you this "SPACE AGE" SPECIAL and U.S. ARMY MODERS 36 GIVEAWAY WITHOUT PRECEDENT. The latest and last model U.S. Army both action and strongest U.S. Army both action EVER made. This super strongth action can be conveyitually ANY carterize but it already shoots the BEST OF EM ALL, the fantastic U.S. 3. (A few "like mint" selected specimens on hand for you ultimate Model '17 seekers at only \$5.00. Genuine Leather Military Adjustable Slings Only 50c Genuine Leather Military Adjustable Slings Only 50c Genuine Leather Military Adjustable Slings Only 50c

THE MOST DRAMATIC PRICE REDUCTION EVER!!!



Cash in today on the most astoursing bargain EVER, before Ye Old Hunter wakes up bankrupt and finds out what he's done. The pride of the British Army from 1900 to Korea NOW at the unheard of GIVE-AWAY price of only 89.95; Almost too fantastic to believe, and luckily so, otherwise Ye Old Hunter might not have escaped a howling lynch mob of competitors already at his heeis because of these give-away bargains. Order yours today white this price is still in effect. Original long knife hayonets only \$1.25 when ordered with rife. A truly incredible bargain. Make sure you cash in on this steal.

A Pancho Villa Special! Cal. 7mm Remington Rolling Cal. 7MM TOTAL PRICE Only

The William of the original TMM Remington Rolling the rifle that broke all sales records a few years back. Absolute the rifle that broke all sales records a few years back. Absolute the rifle that broke all sales records a few years back. Absolute the rifle remarkable condition for the condition they are it tion is "gun aut special" and not to be confused with former gun crant rusty relics. The finest TMM Remington Rolling Blocks available anywhere, historical relic for a mere bittance—only \$1.25. The rifle you can't afford me Glamorous, rare "short tooth" bayonets only \$1.25. TMM M.C. ammo only \$1.25.

IMPORTANT INFORMATION! SALES TERMS—PLEASE READ CAREFULLY: All guns and ammo shipped RRENPRESS (Shipping Charges Collect) from Alexandria, Virginia. Send check or M.O. DO NOT SEND CASH. Sorry, NO COD's. "Money's Worth or Money Back" guarantee when goods are returned prepaid within two days after receipt. Ye old Hunter will not answer any ascriminoneous type letters. Send them elsewhere. ALEXANDRIA, VA. THE GUN CAPITAL OF THE WORLD, World's Biggest Arms House—World's Lowest Prices. Order now. Sales Limited to Cont. United States! Never before, never again bargains. S-A-V-E! S-A-V-E!! S-A-V-E!! S-A-V-E!! S-A-V-E!!! S-A-V-E!!!! S-A-V-E!!! S-A-V-E!!!! S-A-V-E!!!! S-A-V-E!!!!

REGISTERED DEALERS: Write of direct to our Canadian Distributor,

R'S BARGAINS

bine

951

tight, sel only impeti-

t these tridge t find. MARKE NAS

951

e been endless sevelt's in only rks and hat can

er 100.

51

RIES:

LY

tjanal.)

281

Blocks

com-

SHOOTERS: DEALERS: COLLECTORS: Remove and frame this ad—SOMEDAY it may be used as MONEY! Hang in prominent place and replace pictures with actual weapons! FOREIGN GOVERNMENTS! Write directly to Ye Old Hunter. (Still one step ahead of a howling lynch mob because of his ethical practices.) Deal direct. Save money! Save Time! Save middlemen! Save agents! Save commissions! Immediate reply guaranteed. Ye Old Hunter—always the first with the most! World's biggest gun store! World's best prices!



A Finnish rarity that rockets you into a rarified collector's roster. The rifle designed for the other side of the moon, but now yours to propel yourself into fits of shooting fantasia. A delightful little companion for the trip to the bushes you've been saving so long for. Fair to good and totally complete its entire length—only a 24 barrel to assure practically no sighting eyestrain. The perfect addition to even the most elite rollections and at a give-away price of only \$19.95! You'll probably insist on a matched pair at absolutely no more than deable the one rifle price? Order from this ad today for promptest delivery ever.

THE 1960 OLYMPIC BIATHLON MASTERPIECE

Cal. 7.62 Russian THE RUSSIAN MODEL 91. ONLY

THE MOST AMAZING FIND OF OUR TIMES. Authentic Russian Infantry Rifles in the rare model 91. The umbelieveable rifle that won five out of the first six places in the 1960 Winter Olympic Biathlon event at Squaw Valley. Test your own accuracy with this Olympic Special. Guaranteed in good serviceable condition and devoid of all communist rust, for inexpensive capitalistic shooting. A bazardous flud that shattered the shooting world, and what mayhem for our global competitors who tried to finish Ye Old Hunter out of this cache. Thanks to an underground waterway, shooting is now yours in the popular 7.62 Caliber—only 85.00 per 100 rounds. Insur yours now with a prompt order and a prompt delivery.

INFAMOUS FRENCH M 1916

Cal. 8MM Lebel The French Model 1916 w/5 Shot Mag. ONLY \$995

Never before available on the U.S. Market since others feated to offer this value because of the disruptive effect on competition; but Ve Old Hunter has finally opened France and brings you the great rifte of the French Army from Verdum to Algeria at only 80.95. This super accurate F.L.N. pacifier is still groundly on duty at Defaulde's Palace in Paris and throughout the collapsing French Colonial Empire. The rifte that has done 50 million Frenchmen wrong is yours today for less than the cost of freight from Paris. Plenty of 8MM Lebel Ammo in stock at only \$6.00 per 100 rds. Do not delay on this one: 1 : 4

A STUPENDOUS ARSENAL CRACKED AT

Cal. 6.5MM THE FABULOUS ITALIAN TERNI MODEL 91.

Available now: Millions of this incredible weapon that blazed its way to inglorious defeat on mountain, and and beach, Many a fleeing stalwart owes his very life to disastrous rear guard action by this great under the black of the victory can still be yours with a prompt octor for file amazing masterpiece, references to be certain the victory can still be yours with a prompt octor for file amazing masterpiece, references to be certain the victory can still be yours with a prompt of the management of the support of the properties of the properties

BACK AGAIN—ONLY BECAUSE OF POPULAR DEMAND!

Cal. 6.5MM Complete! GARRIBALDI'S GREATEST-THE FAMED 70VV SNIPER RIFLE \$Q95 with 50 Rds. looking (not shooting), ammo. ONLY

This imprecedented inaccurate specimen (the rifle that put the word "sport" back into shooting) available for the last time, and just to please you who never anticipated its astomading demand. The very rifle that prompted the buying (and selling) pante of 1958, yours again—this very day. The most unique attempt at weaponry ever attempted—your friends will marvel at your taste. Totally complete and workable to every detail—the perfect gift for friend (or enemy). A decorator's delight, for behind the door display. Messmerize yourself endlessly with its spaghetti grained stock. All for only \$9.95. Today.

your official letterhead for new sensational discount lists. CANADIAN BUYERS: Write O. Box 628, Peterboro, Ontario. Add 20% to above prices when ordering and SAVE.

E • 200 S. Union St. • Alexandria 2, Va.

INCREDIBLE AMMO BARGAINS MINIMUM GROER 100 ROUNDS. All prices below per 100 rounds. All ammo must be shipped RREXPRESS. SHIPPING CHARGES COLLECT. Sensational New sensational prices Save, save, save.

PISTOLS

7.62 NAGANT (M.C.)	5.00
7.63 MAUSER (PISTOL) M.C.)\$	
7.65 MANNLICHER PISTOL (M.C.)\$	4.00
9MM LUGER (PARABELLUM) (M.C.)	4.00
9MM LUGER (NEW, NON-CORROSIVE)\$	6.00
9MM F.N. STEYR PISTOL (M.C.)\$	4.00
.45 (ACP) COLT AUTOMATIC (M.C.)\$	5.00

9MM LUGER (NEW, NON-CORROSIVE) \$ 9MM F.N. STEYR PISTOL (M.C.) \$.45 (ACP) COLT AUTOMATIC (M.C.) \$	6.00
### ACT 10 10 10 10 10 10 10 1	5.00 6.00 5.00 3.95 4.95 6.00 3.45 5.00 6.00 7.50 14.75 6.00 6.00
.44-40 WINCHESTER\$	

WORLD'S GREATEST PISTOLS! WORLD'S LOWEST PRICES!

Order from this ad!

(Send permit if your state or city requires)

BERETTA .32 AUTO PISTOLS

Today's top pistol bargain. Absolutely in excellent in excellent condition. Beretta 32 Auto Pistols complete with leather holster and extra magazine, and only \$21,95! Incredible but true, Now.



"ASTRA" MAUSER

7.63 CAL. **NEW MINT!**

A "Ye Old Hunter" deluxe special. Absolutely brand new, mint, (in original wrapping), rare Astra 7.63 Mauser Pistols, only \$59.95! Limited number of ultra rare models with Chinese markings only \$69.95! A once in a lifetime bargain in stock for immediate delivery, 7.63 ammo only \$5.00 per 100 rounds. Today's top pistol bargain.



ONLY \$59.95!

MILITARY MAUSERS

Cal. 7.63 Mauser

Genuine (Oberndorf) 7.63 Mauser Pistols in stock for immediate shipment. The most precise pistol ever made. Perhaps never again available. Very good condition-only \$44.95. (A few absolutely select only \$5.00 additional.)



RARE MANNLICHER PISTOLS

Cal. 7.65MM

Now! Genume, original, rare, Mannlicher Automatic Pistols at only \$19.95 in very good con-dition. A few excellent \$24.95, The most racy auto design ever, 7.55 Mannlicher Pistol ammo only \$4.00 per 100 rounds.



ATTENTION AMERICAN RIFLEMEN! Take advantage today of these superb, safe, sure, selected, sensational, special weapons and ammunition bargains! Never in history such a selection at such prices! Order TODAY from this ad, for lasting pleasure and pormanent value! Don't be misled by claims of others—for the finest quality and greatest value selected surplus weapons and ammunition are unquestionably the best!

LOAD YOUR OWN

For RIFLE . PISTOL . SHOTGUN

BETTER • FASTER • CHEAPER



Free RELOADING HANDBOOK

LACHMILLER ENGINEERING CO.

6445 San Fernando Road, Glandale 1, California Say You Saw it in GUNS

performs satisfactorily since the auxiliary spring was removed.

The dimensions used on the .25-06 barrel should function equally well on the M-1 military barrel. The barrel sections at the front have to be cut carefully, but sections p.730" back can vary without ill effect. Keep in mind that the converted operating rod must move freely to the full rear position. The enlarged portion of the military barrel at p1.185" must be shortened to allow for this, or a groove must be machined in the bottom of this section to facilitate the rod's action. Make sure the draw marks are on the military barrel before removing it from the receiver. These must be aligned properly while modifying the gas cylinder and operating rod.

The M-1's habit of throwing clips and smashing thumbs can be controlled in the sport model. The arm is ground off the operating rod catch. This disconnects it from the clip latch. This stopped the clip ejection that is characteristic of the last shot. The operating rod will also remain locked in the rearward position even though a loaded clip is put in place.

The clip latch must be depressed manually to remove the empty clip. These clips are not always available outside military circles, and this helps prevent their loss in the excitement of hunting.

The spring of the clip latch provided the force for disengaging the operating rod catch. A spring and plunger had to be provided to carry out this function. A spot was annealed 1 5/16 inch from the front and on the left side of the catch to facilitate drilling for the plunger and spring recess. The plunger bears on the bottom of the receiver and keeps the forward portion of the operating rod catch pushed down.

The bolt no longer slams closed as a loaded clip is introduced. The bolt remains locked open after loading until the operating rod is pulled 1/4 inch to the rear. This unlocks the operating rod and the operating rod spring will now close the action.

The problem of sights for the .25-06 was not difficult. The rear sight of the M-I is very satisfactory, with adequate adjustments for windage and elevation. The protective ears were ground off the receiver, and the peep opening enlarged for better visibility. A band ramp was put on the barrel.

A telescope sight was tried. The clip loading of the gun makes a swing-out side mount necessary. This method of mounting never seemed positive enough to me. The visibility was improved, of course, but the size of the groups remained about the same. Since much of my hunting is done from horses, the effectiveness of the scope did not seem to outweigh its inconvenience in the saddle scabbard, so the scope was discarded.

The stock for the sporter was not a serious problem. The issue stock had fairly good lines, once the hand guards were discarded and a rasp and plane used on the rest. The butt was trimmed, and the pistol grip was reduced to more delicate dimensions. The forearm was slenderized and the tip rounded. The "pregnant" appearance was still there, but a sporting style stock evolved.

Grouping with the military stock was not as close as I wanted, and the comb was too low; so I finally decided to restock. I gathered all the information I could on making the M-I accurate before starting this operation. Glass bedding the action and leaving the barrel free seemed the thing to do.

Some real problems were encountered while developing a good load for this wildcat automatic. My .257 Roberts had given me exceptional accuracy with 44 and 45 grains of 4350 powder and bullets from my Banta swedge weighing 115 to 120 grains. These heavy loads of 4350 seemed like a good place to start working on the .25-06. My loading information listed 52 grains of 4350 and the 120 grain bullet as a maximum load for this cartridge. I started with 50 grains of powder and a 117 grain bullet. My first shot left a stuck case in the chamber, with a section of brass torn out by the extractor. Reducing loads to as little as 45 grains did not change the condition. I concluded that the slow burning powders were activating the action before the pressure was reduced to let the brass case withdraw from the chamber wall. The use of this powder in .30-06 handloads gives similar results when used in a standard M-1. Faster burning powders eliminated this extraction problem.

HiVel 2, 4064, and 4320 powders were used in varying amounts. They failed to function the gun properly, or the accuracy was so poor that the loads were discarded. Military powder 4895 seemed to have the burning characteristics to function the action best. I began varying the powder charge and the bullet weight to find an accurate load. A charge of 421/2 grains of 4895, lot D500, with 110 grain bullet, seemed to give best results. This load functioned the M-1 action but did not group well.

This load was used during several deer hunts with good success, except that belowfreezing temperatures would make the semiauto sluggish and cause feed failures.

A load of 431/2 grains of the same powder with the same bullet was tried. The functioning improved, with no apparent change in the grouping tendencies. This load has



Do you qualify for a rating based on hunting ability?

These are a part of the benefits you receive as a member of the Varmint Hunters Association:

Our National organization is now in its second year. Our roster is comprised of the cream of the hunting Brethren—the Varminter. True Sportsmen Hunters and Precision Marksmen.

Membership open to men of this caliber.

Annual fee \$3.50 Write for application blank and details

VARMINT HUNTERS ASSOCIATION Box 25G. Centuck Station, Yonkers, New York



Improved Minute Man Gun Blue instantly preserves and renews steels and iron sur-faces—Nota paint or lacquer — No heating necessary — Comes complete with all nec-essary equipment.

GUARANTEED — Tested and proven ever 40 years by ropeat sales to satisfied users. SEND

MONEY BACK GUARANTEE NEW METHOD MFG. CO. G-8, Bradford, Pa.

Name. Address. City..... State.



now been used for several seasons, and is fine. I estimate the muzzle velocity at about 3,000 feet per second or slightly better, and the chamber pressure at about 45,000 to 50,000 pounds per square inch.

Anyone who handloads should keep in mind that the burning characteristics of the powder are very important to the functioning of the semi-automatic. The very slow burning powders will not allow these weapons to function properly. The moderately fast burning powders, such as 4895 or 3031, will generally give best results.

Most writers condemn the semi-automatic as being inaccurate. They mention the fact that the loose tolerances needed for automatic functioning destroys the grouping ability of these weapons. My .25.06 seemed destined to prove these ideas. I had hoped to get the desired grouping effect by re-stocking. This reduced the group size, but was still disappointing when compared to the near-minute-of-angle groups common with the scope-sighted .257 Roberts. I have always had the most consistant accuracy from rifles with free floating barrels, but I decided to tie the barrel to the stock in a final effort to achieve the .25-06 groups which I thought were possible. I reasoned that the attachments on the semi-automatic barrel might make it respond better to the vibrations of

firing if the barrel bore on the fore-end. A band was produced from a piece of banding steel. This was made long enough to extend around the barrel and below the operating rod. The head of a 1/4 inch bolt was ground away until an eliptical portion 5/16 inch wide and 7/16 inch across resulted. The ends of the banding material were bent in and overlapped. A hole was then drilled through the overlapped ends to accommodate the 1/4 inch bolt. The modified head of this bolt must be thin enough to allow the operating rod to move freely. The stock was inletted for the new band, and a hole was drilled in the wood for the bolt. A sling swivel base was drilled and tapped for the 1/4 inch bolt. A rubber pad was placed on each side of the barrel channel. The swivel base was screwed tight and the barrel pulled into place against the pads.

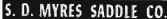
Targets shot with the new band attached were a pleasant surprise. The iron sights could now keep ten shots in a three-inch circle or less at 100 yards.

The .25-06 M-1 is now a nicely balanced sporting rifle. It weighs slightly less than 8 pounds, and is nicely proportioned for a sporter. Perhaps most important of all, to me-it's mine ... with all that means in terms of enjoyment of a product of your own ideas and labor.

FREE CATALOG

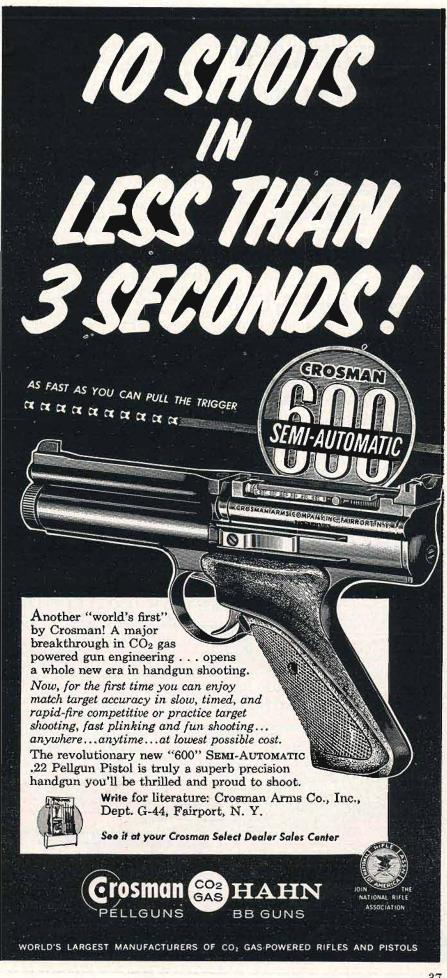
Quick-Draw" Holsters

- CUSTOM MADE
- THE BEST **SINCE 1897**



P. O. BOX 5327 EL PASO, TEXAS





THE GUNS THAT WON THE WEST



These are replicas of original rare COLT guns made of strong metal—look and feel like the REAL CUNS—with gun blue finish.

1847	Colt	Walker-44 cal\$6.95
1873	Colt	Peacemaker-45 cal \$5.95
1836	Colt	Texas Paterson-40 cal \$6.95
1848	Colt	Wells Fargo-31 cal \$5.95
1860	Colt	Army-44 cal\$5.95
1851	Colt	Navy-36 cal\$5.95

Truly novel gifts that are interesting conversation pieces. Each gun comes complete with a short and enlightening history on its period.

Send cash, check or Money Order now!

VALLEY GUN SHOP, Dept. G 7784 Foothill — Tujunga, Calif.

A HOT NEW WINCHESTER AUTOMATIC

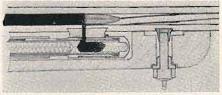
(Continued from page 21)

To load, pull back the operating handle and the magazine will act as a bolt stop. Drop a round down the spout, then trip and remove the magazine. The action will close, Next, put the safety on, then proceed to load four rounds into the magazine. Insert magazine into the magazine well until it locks. The magazine loads very easily, as you simply press the rounds straight down in it. You now have a five-shot weapon before it is necessary to reload. Extra magazines can be carried for quick reloading.

The stock is excellent and high enough to give good contact with check when scope is used. Sights are an excellent folding Lyman and a regular bead ramp in Winchester's sturdy detachable hood. Receiver is tapped for all conventional scope mounts and receiver sights, so that anyone can fit same with a minimum of effort.

In appearance, the new rifle looks almost exactly like the Model 88 with the lever cut off. Side ejection permits very low scope mounting. The rifle has no bolt lock, and the magazine stops forward travel of the breech bolt when the last cartridge is fired. I, personally, would much prefer having a separate bolt lock to hold the breech bolt to the rear while magazines were loaded into the rifle, and then a trip of some kind to release the action and allow the bolt to go forward and chamber a cartridge. As it is, one has to single-load the first round to get five cartridges in the rifle; or if he loads but four in the rifle, he has to pull the operating slide back after inserting the clip to chamber the first round.

This rifle came to me in .308 Win. caliber, with a supply of ammunition in 110, 150, 180, and 200 grain bullet weights. We resttested it at 100 yards with all bullet weights. The 200 grain shot six inches high for clevation, and made two inch groups very nicely every time, even with the open sights. I would expect it to shoot into 11/2 inches with scope or good receiver sight.



Gas bleeds behind slug into chamber.

The 180 grain load printed some four inches high and slightly to the right. The 150 grain groups were about on point of aim for elevation, and slightly more to the right. The 110 grain groups averaged 21/2" and

Edwards: (Continued from page 21) for issue; but no money was appropriated due to the end of the war, and so none were procured. A lot of this know-how of such men as Ralph Clarkson, who "has worked with them all"—Browning, Johnson, Williams—has been brought to the sportsmen in the Model 100.

Overseer of the 100 project is Winchester's engineering "secret weapon," Polish-born Ken Janson-Sir Ken Janson if you will; he received the accolade at the hands of Britain's sovereign for his weap-ons designs. Janson and Clarkson have produced a deceptively simple autoloader. It stood the 2500 shot rapid fire enduro test with no breakages and .5% malfunctions, commendably low. Shaving costs, there is no bolt-hold-open, other than the magazine follower. We learned this could cause difficulties in servicing, after giving it the dust test. .

No rifle for the field, whether sloughing through the minefields of Flanders or the snowfields of Alaska, is any good if it fouls up easily when mismanaged. People do drop rifles, and they do get dirt in the actions, though perhaps not usually so directly as we tested.

Three rifles were placed in a row, butts parallel, right ejection port sides up. One was "Brand A," a military rifle having a spring-loaded folding dust cover over the loading port. Second in line was the new Winchester Model 100. Third was "Brand B," an autoloader of yet a third design, .30-06. We heaped sand and dirt upon all three guns, first having loaded the chambers of each and closed the port on Brand A. Then we kicked each rifle butt once to settle the dirt, snatched up Brand A, and fired an uninterrupted burst to prove it functioned well. The Winchester, even without the added protection of the dust cover, also fired all four shots without a boggle, and would have fired more. The bolt shroud which actuates the bolt rotation was a good protection for most of the open port area, while the massive lugs on the bolt, each one the size of an ordinary lug but spaced in thirds around the head, prevented easy jamming. Brand B, contrariwise, fired the chambered round, failed to eject, jammed the case in the chamber, and the second round wedged tightly. It took an experienced small arms mechanic seven minutes to

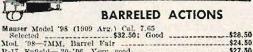


Decorate your Den at LOW, LOW COST Salingen Steel Swords — made in Gerheany:
Officers Sword with Scabbard ___\$11.25
Non-Com Cutlass with Scabbard _\$ 7.25
Special: Both for just \$18.00

COLLECTORS: ATTENTION Rare 1897 Model 30 Jap Rifles

We have a small quantity of these rare 1897 Model 30, Cal. 6.5 Jap rifles. A collectors' gem; never previously offered for sale. Some rust but all are in "fair' condition. Chrysatheraum stud untouched. Only \$11.95 while limited supply lasts. Add \$3.00 for select grade. (6.5 Jap Amme \$7.50 per 100 rounds).

SHOOTERS & GUNSMITHS:



 Selected
 \$32,50; Good
 \$28,50

 Mod. '98—7MM, Barrel Fair
 \$24,50

 P-17 Enfield—30-'06, Very good
 \$27,50

 #1 Mk III Enfield—303, Good
 \$9.25

CZECH 8MM BARRELED ACTIONS—Actions good; barrels fair to good, Complete \$27.50

SMM MAUSER ISSUE AMMO-Loose, \$5.50 per 100

7.62 RUSSIAN ISSUE AMMO-Loose, \$5.75 per 100 rounds.

CLOSE OUT Sale of 7.92 KURTZ AMMO for German machine pistol, Model MP41. Packed in clips-20 rounds to the box. Only \$7.50 per 100.

BEST PISTOL BUY COLT .45

MODEL 1911-A1

Reblued, hand fitted. A real buyonly \$44.95. With micro sights, Complete \$59.95.



Chauchat, Good Accessory Kit FREE with each Dewat.

ALL ITEMS SHIPPED EXPRESS CHARGES COL-LECT, unless otherwise in-dicated. Send \$5.00 mini-mum for COD EXPRESS COLLECT Shipment.



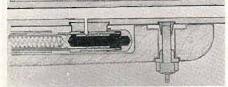
POTOMAC ARMS CO.

P.O. Bax 35-200 S. Strand St. Alexandria 2, Virginia

PARTS & OTHER ITEMS advertised by us in prior issues of this magazine are still available. Send large addressed envelope for List.

\$19.95

were some four inches below line of sight for elevation and nearly six inches right. In other words, the rifle with the various bullet weights strung its respective groups up and down some 12 to 14" in extreme spread, from 12 o'clock to 5 o'clock. Each load shot very good groups, and the rifle shows most excellent accuracy, well worthy of a good



As gas expands, chamber cuts it off.

hunting scope or the finest in iron sights. But it is a one load gun. In other words, you will have to sight it in for one load and stick to that load and bullet weight.

For game killing, the 200 grain load is the best one offered, to my notion, and while Winchester advertises this rifle and the .308 cartridge for elk and moose, I would not recommend it for anything larger than game of the antelope, sheep, deer, and goat class. I

clear the gun safely without using tools.

In cleaning the M100 later, we unscrewed the front swivel base screw, since it obviously was the first step. The sequence is not entirely obvious, in spite of the clean lines of the gun; which is why I said it was "deceptively simple." With the stock screw released, you will attempt to lift the barreled action out of the "patent breech" recoil block at the rear. It will resist releasing. The secret is simple: pull the operating handle all the way to the rear with the back edge of the right hand, at the same time moving the barrel up-ward out of the channel. The operating slide underneath the barrel moves in its own sort of channel, and to clear this must be pushed back until it matches the enlarged barrel channel cut at the root of the barrel, over the chamber. The whole assembly will then lift free, and the dis-mounting takes but a few seconds. Further disassembly is fairly obvious; or you can get at the bolt locking cuts and much of the receiver inside just by wiping it out still fully assembled.

Sportsmen who cut their teeth plinking boar and red deer with a Garand or a Carbine will find the Model 100 a sleek, streamlined, easy-handling successor to the military arms. It is accurate as any autoloader, and considerably more reliable than some for, say, southwestern desert varminting or antelope hunting.

Lawmen, especially rural officers who buy their equipment, find the Model 100 an attractive replacement for the discontinued, heavier, and less powerful M07-10 WRACo autoloading rifles. With a 20-shot magazine supplementing the currently legal-for-hunting four shotter, the M100 should be snapped up by many highway officers for cruiser carry. We found our sample functioned satisfactorily with all weights from 110 grain to 200 grain bul-

With a wide bullet choice, including full-patch bullets if needed for police work, the M100 is a remarkably versatile new rifle. Finish is excellent, lines smooth -so sleekly streamlined that it looks as if they might have forgotten to put the machinery into the stock! But four quick pulls of the trigger, especially at a moving target will convince you Sir Ken Janson forgot nothing in putting together the Model 100. It shoots!

have seen too many failures from the .30 calibers to recommend them for the larger

The new rifle's action is long enough to handle any cartridge based on the .308, and I wish it had been brought out first in the .358 Winchester caliber. This cartridge with the 250 grain bullet has performed admirably on both elk and moose. It is an exceptionally good killer for its small size, and very reliable on everything we have used it on. I hope Winchester will bring this Model 100 out later in .358 caliber and also in .243 for the vermin shooters. With the addition of a good receiver sight like the Williams, Redfield, or Lyman, or a good hunting scope with wide field and not over four power, this Model 100 in caliber .358 with the 250 grain bullet would make one of the finest and fastest brush guns extant for all American

We tested two of these rifles for accuracy, and both showed the same fine grouping, comparable to modern bolt action rifles. Recoil of this rifle is very light and seems lighter than rifles of comparable weight in bolt action or lever action designs. The excellently shaped stock is fitted with hard butt plate and is 131/2" in length, with a drop at comb of 1%" and at heel of 21/2". This stock will fit most big men and long armed men. Shorter armed folks can, of course, cut off some of the length to fit their arm length. Safety is the usual trigger-guard cross bolt, located in the front of the guard.

For all buying this rifle, I would recommend the 200 grain bullet weight for all timber shooting, and the 180 grain for long range. The 150 grain will do nicely for



They stop filinching—and IM-PROVE SCORING by automatically controlling harmful gunblast noise. Acclaimed by champion shooters and recommended by Ear Specialists as the best protection against harmful noise. They are NOT Ear Plugs—you hear normally without removing from ears. \$3.95 a pr. with money back guarantee. Order TODAY or write for FREE Medical Proof and Literature.

SIGMA ENGINEERING COMPANY

1491 Vine St., Dept. K, Los Angeles 28, California



The muzzle brake that is precision machined into your rifle barrel, avoiding unsightly hang-ons. Controlled escape for highest kinetic braking, minimum blast effect and practically no jump. All but prevents jet thrust (secondary recoil). Guaranteed workmanship. Folder. Dealer discounts.

PENDLETON GUNSHOP

Licensed fitter for Canadian custamers
IAN S. DINGWALL, Custom Gunsmith
2379 Burray St.
Vancouver 9, B. C.



BUSCADERO OUTFITS
"RAPID FIRE" HOLSTERS
SHOOTERS' ACCESSORIES

DALE MYRES CO. BOX 7292-L, EL PASO, TEXAS







This revolutionary new scope mount represents the ultimate in mount design, and performance, it is guaranteed by Pachmayr, the originator of the first swing-off scope mount. Easy to install, it fits all popular factory pre-drilled and tapped sporting rifles, Mausers & Springfields, too.

Features exclusive windage and elevation adjustment. Versatile, easy to swing scope to side for instant use of iron sights. Maintains zero alignment no matter how many times scope is swung to side or removed. See your dealer or send for FREE 16 page folder. Only

PACHMAYR GUN WORKS, INC., DEPT. G-8 1220 S. Grand Ave., Los Angeles 15, Calif.

"RELOADERS"

For the very latest in shotshell, rifle and pistol releading equipment, we offer free of charge, our illustrated brochure describing our line in detail. A post card will bring ful information to you on our line of time and money saving attachments for HERTER equipment, including our 12 position turret tool conversion, primer catchers and arms for the Mod 3 and 234 foels and our individual shotshell labels and stamps. We also include full information on the new ULTRA SHELLDRILL and the Ultra crow call.

ULTRA PRODUCTS 1941 Wilmette Ave. WILMETTE, ILL.

coyotes and antelope, but heavier bullets are more reliable on big game and there is just no substitute for sectional density in game shooting. The 110 grain is not for me at all, unless maybe for blowing up pests or shooting running jack rabbits.

With the addition of the .358 caliber with its reliable 250 grain bullet, I believe the

Model 100 will be a very popular autoloading hunting rifle. I can only give it a clean bill of health. A lot of research went into the design and development of the Model 100 Winchester by such men as Ray Holmes, S. K. Janson, K. W. Maier, and others, and they are to be complimented on the development.

#	Velocity-Ft. Per Sec. Energy-Ft. Lbs.				Mid-Range Trajectory						
Wt. Grs.	Muzzle	100 Yds.	200 Yds.	300 Yds,	Muzzle	100 Yds,	200 Yds.	300 Yds.	100 Yds.	200 Yds.	300 Yds.
110	3340	2810	2340	1920	2730	1930	1340	900	0.5	2.2	6.0
150	2860	2570	2300	2050	2730	2200	1760	1400	0.6	2.6	6.5
180	2610	2390	2170	1970	2720	2280	1870	1540	0.8	3.1	7.4
200	2450	2210	1980	1770	2670	2170	1750	1400	0.8	3.6	9.0

HE BROKE THE PISTOL TITLE JINX

(Continued from page 18)

tion of why Clark can, with minimum time spent on training and practice, compete with the best handgun talent our armed forces can produce. Since most of us are in a similar position, that of not having unlimited opportunity for practice, such an explanation should be of great help in our own shooting. Fortunately or unfortunately, the answer is simple. Here's the way Jim explains it:

"You must think each bullet into the bullseye," he says. "The key factor in shooting is mental. A man who can't think can't shoot. Absolute concentration is required on each shot. There are many shooters who are steadier than I am, who have mastered sight alignment and trigger squeeze as well or better, and who are as immune to pressure.

Their only failing is that they cannot concentrate throughout a match. If the chatter of spectators behind the firing line annoys a shooter, then his mind isn't where it should be. If his mind is oblivious to everything except punching a hole in his bullseye, then he won't see or hear anything that goes on around him."

That formula has garnered for James E. Clark some 18 or 20 national records, a houseful of trophies, and the crown as kingpin-for-a-year of America's pistol shooters. He holds the Civilian Three Gun Aggregate record and the Civilian .22 Aggregate Record. In 1952, at the National Pistol Championships at Jacksonville, Florida, he fired 60 consecutive bullseyes in the .22

(Continued on page 42)



RIFLE BARRELS

The Douglas ULTRARIFLED* "button rifled" barrel is the finest production made barrel obtainable today. Day after day these barrels insure the attainment of highest accuracy for its owner, are the least trouble and the most profitable for the dealer-gunsmith. You can depend on Douglas.

- Highest Quality
- . Low Cost
- Best Discount to Gunsmith
- Stainless Steel
- Chrome-Moly Steel
- Record Holding Barrels
 Straightest Sporters
 - Most Calibers 20 to 450

Button Rifled since 1953

Finest Inside Finish

 Timken (17-22-AS) Steel world's longest wearing barrel steel for express cartridges.

Write for free descriptive data.

*Patented T. M. Reg. Made Exclusively by G. R. Douglas.

COMING! BUTTON RIFLED MUZZLE LOADER BARRELS

The G. R. Douglas Company takes pleasure in announcing that it expects very soon to have available the first production-made muzzle loader barrels. These barrels will come in two different weights, and up to 42" in length. Calibers: 36, 40, 45 and 50. The Douglas Company, whose name is synonomous with the finest workmanship and quality, will have these as a standardized line—a first in this type of craftsmanship. We will be glad to send you details or answer any question. As in the case of its other gun barrels, Douglas means Dependable.





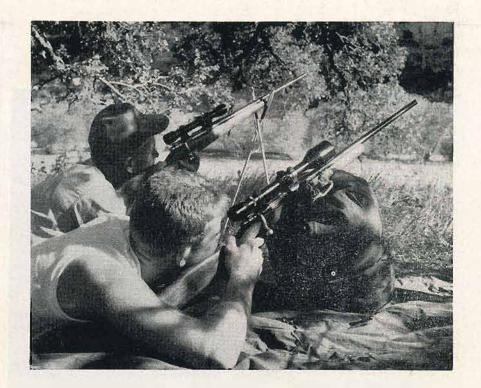
G. R. DOUGLAS CO., INC.

5504 BIG TYLER ROAD CHARLESTON 2, W. VA.

By HAROLD W. HARTON

THE SHOT WAS LONG—I doubted I could make it. But at the rifle's report, the pesky crow flew into bits. Yet this is neither the beginning, nor the end of the story, for it is a story that never ends. Shooting success is the result of many little details, little things that help make a long shot at a small target into a hit.

Little things built my rifle. Of course, it could have been "your rifle," and it could have been in a different caliber or barrel length. But the principle is there, in its details. I shot a .22-250 put together by me. Into an old Mauser action that had formerly been gathering dust as an 8-06 Imp (original chamber cut for .30-06) I put a Flaig Ace ready-chambered and



Little Things Behind the Long Shots

threaded barrel, and an 8X Unertl Varmint-Target scope.

Thus far, I ve touched on a number of little things that help. That Flaig barrel is a real help to the average shooter. They are so closely made that they usually fit with little metal work. For about \$8 your gunsmith can cut and fit a new bolt handle, low for scope, of Model 70 shape. This can really change the looks of your rifle into a classy sporter appearance.

The scope should be chosen for the job. My 8X job was right for a crow or woodchuck rig, but if you plan a .243 or .244 for all-around shooting, a 6X may be as high in power as you want. Use a good solid mount on top. I use a 6X Bear Cub in a Stith Dovetail mount on my .244 and have no trouble getting jacks and deer on the run. In checking your scope, be sure to get one that is well sealed.

Ammo itself is very sensitive to "little things." I shoot a wildcat, so must load my own. I find rifles shoot better with proper handloads, and from the amount of shooting I like to do, I can save money. One year I shot 4000 .22 bullets plus many other calibers in various factory and wildcat chambers, so the saving ran into hundreds of dollars.

Field conditions can spell a little difference—between hit or miss. Most of us use some foliage concealment when we hunt. Supplementing nature are camouflage suits sold by Burnham Bros., Red Head, and other clothing makers. Be sure to get them large enough to wear over regular hunting clothes. With the face mask in place I can lure the crows right in.

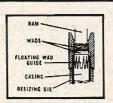
The smart hunter will use a rest. My cross sticks are parts of an old TV antenna. Along with a good sling, they have helped make many a hunt a successful day in the field. Bags, sandbags for bench-rest sighting in, or a sleeping bag rolled up, make good rifle rests under various conditions. Other "details" include footgear—electric socks for the duck hunter in the frigid blind, and good shoes needed to save city-soft feet in rough going.

Attention to such minor details is an individual matter, but these are a few of the points I've found worthwhile to check out. Have you overlooked a few? It's the little things that add up to—good hunting!

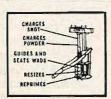


At top, in idyllic woodland glade, crow hunters using crossed rest and duffel bag display hit-helping aids. Below, check rifle with handloads before hunt.

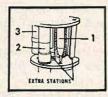




FLOATING WAD GUIDE Permits quick and easy loading and accurate seating of over-powder and filler wads. separately or in combination, without damaging or deforming wad or bulging finished shell.



MULTIPLE-DUTY STATION Six operations at one station ... reducing shell handling to the minimum. One position



ONLY THREE WORKING STATIONS
Complete shell is processed
with only three working
stations. Tool has extra stations
for installation of cap conversion kit, star crimp head, etc.

CHECK THE FEATURES

that make the M E C 250 the reloader for all competitive shooters.

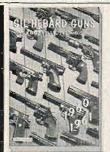
PLUS

of the trap and skeet competitor.

M E C's exclusive Flip Type Measure - Hardened Charging Bar -Both Positive Stop or Direct Reading Wad Seating Ram - Sur-Lock One-Stroke Crimp -Primer Catcher.

See the M E C 250 at your dealer's or write

MAYVILLE ENGINEERING CO., INC. WISCONSIN



PISTOL SHOOTERS! It's Ready! 1960-61 Pistol Shooters

Reference Book and Catalog.

ORDER YOUR COPY NOW!

GIL HEBARD GUNS KNOXVILLE 6, ILLINOIS

GUNS subscribers: 4 week notice required on change of address.

(Continued from page 40)

Timed Fire, to double the previous record of thirty.

Clark does nothing out of the ordinary, in the way of sight alignment, stance, grip, or squeeze, to pull off the feats of marksmanship that he performs. His sight picture is standard, making use of the flush six o'clock hold. His stance is a "comfortable" one, at about the usual 45° angle to the target butt. His trigger pull is the customary one, applying pressure when the sights are aligned and holding that pressure when the sights wander off target.

Only in Jim's method of holding the gun is there any inkling of something special. He uses the "death grip" on all his pistols, jamming the gun back into his hand and

squeezing it tightly.

"That's for the sake of consistency," he says. "Any variation in the firmness with which the pistol is held will cause a corresponding change in point of impact. A moderate grip can be either moderate, moderately loose, or moderately tight, and can vary within that narrow realm even in one shot string. On the other hand, if you grip the pistol just about as tightly as you can for each shot, there's little opportunity for variation. It's kinda like ordering a steak. Call for one cooked medium and it can come out either medium, medium well, or medium rare; but if you order it well done that's just about what you'll get."

Not even this is unusual; many shooters use the "hard" grip; others argue that a lighter grip produces less muscular tension, less tremble. Some shooters use a relatively light grip on the lesser calibers, bear down harder as the hore widens. Each argues long and loudly for his method, and so does Jim.

Clark finds the standard Colt grips on his .38 and .45 automatics impossible to improve upon, except that he stipples the inner strap for greater control. He does use special grips on the Ruger, but they're made to give "the Colt feeling" to the .22.

One thing I noticed is that Jim's hand and forefinger are in full contact with the pistol grip at all points, and he believes that the first joint of the trigger finger should be at right angles to the gun to give that straight-back pull. Some shooters say this is

The Finest Revolver and Pistol



IVORY . STAG . PEARL ... Now at special

savings! Write for illustrated catalog and Price List.
Dealers Inquiries Invited.

Contour Grip Co.

P.O. Box 1228, Church St. Station, N.Y.C.

You'll want GUNS QUARTERLY in your library. Order Form page 54 "all wrong," that the trigger finger should be bent outward, away from gun contact, to prevent pushing the gun left as the finger bends to apply trigger pressure. Jim's way works-for Jim.

After taking a Jap rifle bullet through the chest on Saipan, Jim received a discharge from the Marines in 1945. He attended Centenary College in Shreveport under the G.I. Bill, studying architecture and working part-time in a gunshop. He soon found, however, that his interest lay in building guns rather than houses, so he dropped out of school to start his own shop in 1949.

In 1948, he began pistol shooting, and only two years later entered the "2600 Club" -the fifth man ever to shoot that score or better. Now, however, membership in this exclusive group has soared to 49, a tremendous increase since Jim turned the trick.

"Better equipment and better shooters is the answer," says Jim. "Refinements in guns and ammunition have added points to everyone's scores. Then, too, the armed forces are going all out to put shooters on the firing line at international matches who can compete successfully. Russia has taken us decisively over the past years, simply because their shooters are subsidized by the government and spend all their time practicing. We've lost face with other nations as a result, but I think that's due for a change."

This program of the armed forces is undoubtedly producing results. At a pistol match in Austin, Texas, eleven 2600-orbetter scores were fired. Nine of them were made by members of the Army team, one by an Air Force shooter, and the other by Jim Clark, civilian.

Clark has also contributed greatly to the "better equipment" cause. Most competitive pistol shooters use the semi-automatics because of their advantage in timed and rapid fire. For the Center Fire class, however, most did use the revolver because there is no commercially made automatic for the .38 Special, the caliber preferred. Then Jim developed a reliable conversion to adapt the Colt Super .38 for the .38 Special cartridge, and it's been "a better mousetrap" as far as competitive shooters are concerned. They've beaten a path to his shop, and he's more than six months behind in orders for these custom jobs. The Army team which



COPYRIGHTED 1960-EDWARD H. BOHLIN

Bohlin "Gunfighter" Buckle, 3x4" for 1½ or 2" belts, priced from \$19.50. Free brochure of Western style buckles and large selection of improved designs of "Worlds Finest" holsters for the Sportsman, including Gunslinger holsters that have no equal for "Superfast" drawing, priced from \$18.75.

EDWARD H. BOHLIN 931 N. Highland Avenue

Meet the new BROWNING

HIGH-POWER RIFLES

Before you buy any rifle visit your Browning Dealer and see this precision crafted, superbly finished hunting rifle.

ACTION: New streamlined famous Mauser action. Machined from a solid bar of laboratory-tested, forged steel, expertly heat treated to perform its function with a wide safety margin. Smoothly operating, highly polished, one-piece bolt with new compact bolt stop.

BARREL: Individually machined from forged billets of chrome vanadium steel to assure maximum strength and resistance to wear and corrosion. New contour of minimum weight and fine accuracy. Outside diameter corresponds to each caliber.

STOCK: Choice walnut. Monte Carlo design with cheek piece. Handcheckered and hand-finished to a brilliant, yet tough polished texture. Ideally dimensioned for either telescopic or open sights.

SIGHTS: Gold bead front. New rear sight dovetailed to separate base. Quick, positive horizontal and vertical adjustments, finely calibrated. Corresponding sighting plane for either open or telescopic sights. Telescope may be mounted without removing open sights.

SIDE SAFETY: Silent, sliding, three position. Locks both trigger and sear. Positioned on right side of receiver for fast manipulation with

TRIGGER: Smooth crisp let-off easily adjusted for length and backlash. Hinged floor plate and trigger guard hand-engraved in black and gold. ACCURACY: Every rifle carefully test fired, first with proof loads of excessive pressures to attest its strength, then for demanding accuracy. SPECIFICATIONS.

PECIFICATIONS:			
.243 and .308	.22"	barrel,	63/4 lbs.
.270 and .30-06	.22"	barrel,	7 lbs. 2 oz.
.264	24"	barrel.	7 lbs. 2 oz.
.300 H&H .338 .375 H&H .458	24"	barrel	8 lbs

Other standard calibers available by special order

\$16450 U.S. or CANADA ,300 H&H, .338, .375 H&H, .458 with recoil pad 16910 Prices subject to change without notice

> WRITE for CATALOG

Write for new catalog showing all Browning guns in color, plus special chapters on shooting - practical information for gun enthusiasts.

Browning Arms Company, Dept. 175; St. Louis 3, Missouri In Canada write: Browning of Canada, Dept. 175, PO Box 991, Montreal 9, PQ

PRECISION VERNIER CALIPERS

for Amateur & Professional Gunsmiths, Reloaders, Collectors

FOR INSIDE, OUTSIDE AND DEPTH - WITH BOTH

METRIC AND INCH SCALES-HIGHLY ACCURATE

METRIC: 1 mm. with vernier, 1/20 mm. INCH: .025" with vernier. 001". Overall length 8 in., with capacity of 51/4 in.

AN IMPORTANT TOOL FOR YOUR SHOP

Precision made especially for Gunsmiths & Allied Trades where both metric and inch systems are used on the same firearm, action or frame, also handy in checking ammunition sizes. Indispensable in all shop

work where close accurate measurements must be taken & final inspections. Clear Graduations. Prices including Wooden Box in Chrome Steel. \$15.00 in Stainless Steel \$17.50

MAIL 25c FOR BIG NEW 48
PAGE ILLUSTRATED CATALOG No. 60
Gunsmith Supply Headquarters
RK 65, N. Y. Established 1936 NEW YORK 65, N. Y.

FRANK MITTERMEIER

3577 EAST TREMONT AVE.

5000 **FIREARMS** BARGAINS

Are you a gun trader? Gun callector? Or are you just plain interested in guns? If you are, you'll profit from reading the bargain-filled columns of SHOTGUN NEWS, now published twice each month. It's the leading publication for the sale, purchase and trade of firearms and accessories of all types. SHOTGUN NEWS has aided thousands of gun enthusiasts locate firearms, both modern and antique - rifles, shotguns, pistols, revolvers, scopes, mounts . . . all at moneysaving prices. The money you save on the purchase of any one of the more than 5,000 listings twice a month more than pays your subscription cost. You can't afford to be without this unique publication.

Free trial offer! Money Back Guarantee.

As a special introductory offer, we'll send you the next issue of SHOTGUN NEWS free of charge with your one year subscription. That means you get 25 big issues. What's more, if you're not completely satisfied, just tell us. We'll immediately refund your money in full and you can keep the issues you already have. Fair enough? You bet! Fill in the coupon below and mail it today!

THE SHOTGUN NEWS Columbus, Nebraska	G-8
Yes, send me the next issue of the NEWS FREE and start my subscription year. \$2 enclosed—to be refunded completely satisfied.	on for one
Name	
Address	
City & State	*

competed against him at the "Holiday in Dixie" shoot has 28 of the Clark .38 Automatics. They have more on order, as do most of the other service teams.

He is almost as well known for his customizing of the .22 caliber Ruger automatic and for his Clark Accurized Colt .45. Demand for these special tools has caused him to cease all other types of pistolsmithing. His shop, at 1803 Claiborne in Shreveport, isn't listed in the Yellow pages. There is no sign on the building, no name on the door. The brick structure has no identification on it at all, and there are no windows through which a visitor might peak to see if "this must be the place." Neither is his home telephone listed.

But Jim Clark is no recluse. His ready grin and the crowfoot smile wrinkles that stretch outward from each eye bear testimony to that fact.

"I find it just about impossible to say no to a guy who calls and wants work done," Jim explained. "Yet that's not fair to shooters who have guns in my backlog of orders. This is the easiest way to turn down business."

This man has an air about him that engenders a feeling of confidence in his opinions. He is enthusiastic about the aggressive program of pistol training now in vogue among the service teams, complete with daily practice and frequent competition, and he believes that the men in uniform will dominate pistol matches of the U.S. for years to come.

The Champ has another trait, too. Temperamentally, he is amazing. He is utterly relaxed, yet with dynamic energy. Whether shooting a string of rapid fire or explaining to a customer why his gun isn't ready, Jim shows absolutely no tension. Maybe this is why he could "think" more shots into the black than anyone else under the adverse conditions that prevailed during those 1958 National Matches.

He is probably right about the men in uniform dominating matches in the years to come; but many who know recent pistol history would add one thing to that predic-tion. They would lay a small wager that within the winner's circle a goodly percent of the time, and a man the men in uniform will find hardest to beat, will be a little man in a short-sleeved sport shirt, a man with piercing eyes and that infectious grin. Jim Clark didn't get to be National Pistol Champion by rolling over and playing dead. It's unlikely that he'll start

BANNERM

BOX 26, BLUE POINT, L. I., N	0.14
CW Cloth Haversack	2.75
CW Knapsack	2.00
CW Carbine Slina	
w/Swivel	0.00
CW Rifle Sling	2.00
CW CSA Buckle, Square,	
Replica	2.50
CW CS, Oval Buckle,	
Replica	2.75
CW CS, 2pc Buckle, Replica	2.50
CW Eagle Buckle, Replica	2.50
CW Round Eagle Plate,	
Replica	2.75
CW .58 Cal. Spr. Bayonet	3.00
CW Cannon Worm	5.00
CW Cannon Rammer	7.00
1842 Bayanet	2.00
1822 Bayonet	2.50
45-70 Bayonet & Scab	3.50
45-70 Ber Belt & Buckle	3.50
45-70 Ctg. Box	1.50
45-70 Rifle Sling	2.00
45-70 Wrench	50
45-70 Manual, Orig	3.00
Spr. Shoulder Arms	7.50
by Fuller	1.50
CW Navy Boarding Pike	1.50
Head	3.00
45-70 Carbine Sling	3.00
w/Snap Hook	5.00
Sharps Carbine Ctg. Box	2.00
CW Cannon Ball, 3"	5.00
Leather Gauntlets, Old Is-	5.00
sue, Need Stitching, Pr.	5.00
Cloth Epaulettes, Green	
w/Yellow Trim, Pr	5.00

Prices do not include postage.

Bannerman catalog, 1955 edition, \$3.00 postpaid

BANNERMAN'S SONS, Inc.

Box 26, Blue Point, L. I., N. Y.

CANADIAN LIMITED SAUER

AGENTS AND DISTRIBUTORS

J. P. SAUER & SON DOUBLES-DRILLINGS O/U SHOTGUN-RIFLE COMBS.

CARL WALTHER 22 SPORTERS-TARGET RIFLES

PECAR-BERLIN TELESCOPIC SIGHTS

HUNTING & FISHING KNIVES



EXPERT GUNSMITHING

103 CHURCH STREET . TORONTO, ONTARIO

WEATHERBY'S RIFLES-SCOPES-AMMO

KRICO RIFLES .222 REM. & .22 AUTO

WALTHER-MANURHIN MOD. PP, PPK & SPORT

RWS AMMO-PRIMERS

CANADA

new! . . . shooting replicas for black powder fans . . .

ZOUAYP RIPLE

MADE BY NAVY ARMS CO.

At last a modern precision made muzzle loading rifle for the collector and shooter. This weapon is an exact reproduction of the popular Remington Model 1863 rifle, which was prized by Crack troops during the Civil War and acknowledged as the most accurate muzzle loading military rifle of its time. This faithful reproduction combines the color of all brass mountings, beautifully blued barrel, and color case hardened lock.

new model ARMY REVOLVER

MADE BY NAVY ARMS CO

This hard-hitting 44 Cal, revolver is a faithful reproduction of the popular 44 Cal. Remington Army revolver, issued during the Civil War to both Northern and Southern Cavalry units. With its top strap, it gives the added strength and durability needed with heavy 44 Cal. loads. Prized by target shooters and collectors alike, the New Model Army revolver is furnished in a lustrous blue with walnut grips.

Price \$89.95

BULLET MOULD — 44 cal. moulds, casting both round and conical bullets — exact copy of original moulds — brass body with iron spru cutter. Price 9.95



HOLSTER — exact copy of Civil War regulation issue Holster — made of top grain heavy leather with stitched



POWDER FLASH — designed to throw the exact charge for all Navy Arms Co. revolvers. Copper body with bross fittings. Price 20.00 In sterling silver, Price . . 90.00



Navy Arms Company Inc.



B EAST FORT LEE RD. BOGOTA, N. J., U.S.A CABLE ADDRESS SERARMAMENT BOGOTA, N. J

DIAMOND 3-2633

ENFIELD 1917 issue rifle .30-06 cal. in original cosmoline. Eddystone make only. 5 groove barrel—\$30.00. Case lots of 10 guns \$22.50 each F.O.B. Millvale.

ORIGINAL DWM Mauser mod. '98-09 is rare collector's piece because of its unusual fine quality These are finest actions, bar none, we lave ever seen in forty years association with Mauser. 7.65 caliber. Matched numbers, smooth actions, V.G. bores, 30" barrel. Hinged floor plate release in trigger guard. Walnut stocks, good issue cond. Bolts function like commercial Oberndorfs with that positive click on closing.

Rifle with v.g. bore, complete	\$40.00
Rifle with slightly used bore, complete	
Action, complete (in white)	
Alter to .30-06, proof test	
Alter bolt for scope	
Ammo: 7.65 MC - \$7.50/C: 7.65 S.P \$3	45/20

SPRINGFIELD TRIGGER GUARD

Made for Flaig's by Sako, featur-ing Sako's smooth-working MILLED STEEL hinged floor plate, with floor-plate release button inrelease button inside trigger guard,
- completely blued. Will
fit any M-1903 Springfield, including, 03-A3. Increases resale value to your
Sporterized Spring field. A
\$15.00 value—\$10.00.

NEW SPRINGFIELD 1903 MILLED TRIG-GER QUARD with floor plate and catch as-sembly\$6.00 SPRINGFIELD floor plate only\$1.50

NEW SPRINGFIELD A3-03 2-Gr. Barrels, each \$3.00. Case of 10......\$17.50

SPRINGFIELD 4-gr. issue barrels. (A3-03 or 1903), with both sight bases, cach \$9.00. Case of 10....\$70.00

Med, Heavy Weight 26"-4 lbs. 4 ozs.

Sporter-weight 24"-3 lbs.

THE NEW FLAIG ACE FINISHED BARRELS AND **Barreled Actions**

(White)

Lightweight 22"-2 lbs. 6 oz.

Made exclusively for Flaigs by a nationally known barrel maker, each barrel is the pest quality, six grove, with the smooth hard swedged button' patented rifler. Threaded for the 98 Mauser, P X Mauser, Profugield, with the smooth hard swedged button' patented rifler. Threaded for the 98 Mauser, P X Min, 24 May Mauser, P X Min, 24 May Mauser, 280 May, 300 May, 308 Min, 30-05 and 222 May, for the 722 May, only May one was madele Cai. 6.5x55.

ACE "BUTTON-RIFLED" BARRELS

White), Each
For Enfield Only—\$2.00 Additional, (If Your Action is Sent to Us. We Charge \$6.00 to Fit Mendspare and Tost-fitre. Returned F.O.S. Milivale, Pa. Unless Postage and Insurance Remittance is Enurs of the Company of the Co

ACE BARRELS for .338 Win. & .264 Win.

Your choice of 24" Sporter weight or 26" med. wt., filted to your action, (Win. 70, Enfield, High No. Springfield, FN or 98 Mauser-no others).

 Head spaced and test fired
 \$40.00

 If we furnish FN beluxe Action
 79.00

 If we furnish FN 400 Action
 89.00



Rare Circassian Walnut—Imported from Turkey. For the first time in many years we now offer this distinctively attractive, light weight, yet very close grained walnut. Takes smooth finish and sharp checkering. No other wood compares with Rare Circassian Walnut for stock making. Turned and semi-inletted Circassian Walnut stocks, \$16.50 to \$80.00—Mannlicher length \$5.00 additional. Rifle blanks \$15.00 to \$75.00, Shotgun blanks \$10.00 to \$50.00. Pistol grip blanks (pair) \$2.50 to

OTHER TURNED AND SEMI-INLETTED STOCKS—BLANKS ALSO AVAILABLE

FRENCH WALNUT \$25,00 to \$55,00

PENNA. WALNUT \$6.00 to \$40.00

CURLY MAPLE \$8.00 to \$35.00 OREGON MYRTLE \$8.00 to \$75.00

ACE TRIGGER SHOE \$2.50 Specify gun ACE DOUBLE-SET TRIGGER, \$10.00 Fitted, \$6.00 more

Silver Anniversary Catalog 25c Write for FREE list No. 33.

NEW TYPE "C" SPRINGFIELD STOCKS

FULL PISTOL GRIP STRIPPED SPECIAL, \$5.00

MILLVALE, PA

DEALERS USE OUR COMPLETE JOBBING SERVICE

WRITE ON YOUR LETTERHEAD FOR LATEST PRICE LIST & DISCOUNTS

All calibers and weights of Sierra, Speer, Hornady, Remington, Winchester-Western, Norma, Jordan. Nosler and Markell. Also empty Cartridge Cases, Primers and Per-cussion Caps of all popular makes.

POWDERS

Dupont, Hercules, Hodgdon and Alcan.

TOOLS & EQUIPMENT

All leading lines, including B&M, Lyman, Pacific, RCBS, CH, Ideal, Acme, Thalson, Redding, Wilson, Forster, Fltz, Jaeger, etc. Scopes, sights, mounts, slings, scales, moulds, etc.

Stock this NEW B&M HANDBOOK

SHOOTERS: Write for Free Folder.



BELDING and MULL 104 N. FOURTH ST., PHILIPSBURG, PA

THE PLAYING CARD TRICK

(Continued from page 23)

clearer the super-imposed image will be. If nothing else, it's a simple trick that will impress lots of people.

But two-eyed sighting has values that have nothing to do with card tricks. Aiming with one eye only at a small target, the sights themselves may obsure the target, prevent you from seeing whether or not you are on center. With both eyes open, you can see where your sight picture is in relation to the whole target. You can even "hold over" without blotting out the target.

These advantages are especially important when you're shooting at moving targets. Try to lead a rising bird or a rabbit running up hill while sighting with one eye, and the gun barrel blots out the target. With both eyes open, you can see him. On running game on terrain where bullet-strike is visible, you can see your misses and adjust quickly for a second shot. A low miss that wouldn't be seen at all by a one-eye sighter can give you the correction needed to place the next shot.

Two-eved vision is doubly important to shotgunners who must coordinate a swinging gun with a moving target. A great many shotgunners do use both eyes in shooting the smoothbores-even though they may still cling to one-eyed squinting down the sights of a rifle or pistol. Maybe the higher percentage of two-eye aimers among shotgunners is due to the fact that shotgun sights are commonly pretty rudimentary and the beginner, if he thinks about it at all, thinks the shotgun's "spread" makes fine sighting unnecessary. Unfortunately, the shotgun's pattern is more than offset by the difficulty of fast-moving, erratic-flying targets, and the shotgunner has to be "on" to hit, the same as a rifleman. He must do it, moreover, with far inferior sighting equipment, mechanically speaking. He can do this best by taking full advantage of the better depth perception, the better perception of angles, that comes with binocular vision.

The same, or similar, advantages can be yours in shooting a rifle or handgun. I can't testify to this from personal experience but I was told recently of a right-eyed shooter who suffered a serious impairment of vision in his right eye, lost a major part of his distance vision, and thought he would have to give up hunting or learn to shoot lefthanded. A friend suggested that he try shooting with both eyes open. With practice, he was able to sight as well as ever. Apparently, his right eye still gave him the near vision neeeded for sight picture, while his left eye superimposed the sight picture onto the target.

Anyway, two-eyed sighting is the only way you can "see through a playing card;" and that's my story. Why don't you try it?



HOW AVAILABLE TO PUBLIC!

HANDY! INGENIOUS! G. L. CAN OPENER

IDEAL FOR PICNICS, LUNCH CANS, FISHING, HUNTING AND CAMPING

SEND \$1.00 FOR 3 CASH OR MONEY ORDER

G. G. GREENE BOX 900 - WARREN, PENNA.



Ammo Prepaid!

For a limited time we can make this sensational offer, all orders for 300 rounds or more will be shipped pre-paid to you. We guarantee our ammunition to be the finest available in its field.

6.5mm Italian M.C. in clips 7.62mm Russian M.C., late issue, 20 rd. boxes\$7.50 per 100\$7.50 per 100 .30 US Carbine M.C., non-corrosive... 30-06 US late issue, non-corrosive, in M-1 clips .\$7.50 per 100 .303 British M.C. 15 round boxes, non-corrosive

.\$7.50 per 100

SOFTPOINT: .303 British, 7.62mm Russian or Smm Mauser

*Copyright

.....\$15.50 per 160 (Dealers inquire)

COLADONATO BROS.

Dept. G4D, Hazleton,

P. 0. BOX 8022, SACRAMENTO, CALIFORNIA

Expert Rifleman's Badge



ARMY - MARINE CIVILIAN PECIAL

POSTPAID

for shooters, sterling silver \$1.00 each, postpaid.

SILVER FINISH RAISED LETTERS Limited Quantity

UBLIC SPORT SHOPS 11 S. 16th St., Phila. 2, Pa. No CODs

SIGHTS WHOLESALE AND RETAIL

We believe that we have the largest and most complete stock of ALL MAKES of sights & scopes in the U. S. Expert sight mounting and targeting. FAST AND ACCURATE SERVICE.

Dealers inquiries invited.

WRITE US REGARDING YOUR SIGHT PROBLEMS.

THE ORIGINAL SIGHT-EXCHANGE CO.

'Gun Sight Specialists'

P. O. Box J-5

Paoli, Penna.

You'll want GUNS QUARTERLY in your library. Order Form page 54

FRANCIS POWERS' PISTOL

(Continued from page 19)

silencer as a civilian pistol or rifle accessory. for in 1934 the Federal Firearms Act effectively buried it as a commercial item. In the Second World War it was a limited use military weapon, by the United States on the Hi-Standard pistol and M3 Submachine Gun, the Russians on the Mossin Nagant bolt action rifle, the German "Pi Erma" submachine gun, and the British Sten Submachine Gun Mk II-S.

Several silencer equipped guns were tested by the U.S. Army during 1942-45, such as the 45 cal. Thompson SMG, .22 Hornet rifle, .22 Rimfire rifle, .30 Carbine, M3 Submachine Gun, Hi-Standard pistol, and some English weapons. These tests showed that although silencers gave some noise reduction, "silent" weapons were located by observers almost as easily as unsilenced arms, and that silencers tested were too bulky for general military use. Silencer equipped guns were used in guerrilla warfare and by underground fighters and O.S.S. agents in occupied Europe.

German Intelligence Officer Otto Skorzeny, later to become famous as the rescuer of Mussolini, had become interested in the silenced guns the British were parachuting to the underground forces. He arranged a demonstration of a captured silencer Sten Gun for his superior officers, hoping to copy them for issue to German troops. The officers were more concerned with the faults of the weapon than its advantages and, to Skorzeny's disappointment, they were not adopted by the Germans.

Skorzeny's experience was a short re-enactment of the history of the silencer, for probably no other firearm accessory has been so misunderstood by the layman as has this simple device. This is as true today as it was when it was invented over fifty years ago. The most important name in the development of the silencer is undoubtedly Maxim, Hiram Percy Maxim, son of Hudson Maxim, and nephew of Hiram Stevens Maxim inventor of the Maxim Machine Gun, was working with the Electrical Vehicle Company of Hartford Connecticut when he conceived the idea of a silencer for firearms while working on designs for automobile mufflers. The first model was produced in 1906.

That Mr. Maxim was a good engineer is apparent in the design of his device. Uncomplicated in theory and effective when properly employed, it was also simple in design. The model tested in 1909 for use on the .30-06 Springfield Rifle was a steel cylinder, six inches long and one and one-half inches in diameter, weighing about ten ounces. It was attached to the rifle by screwing on to the threaded muzzle. The device was mounted offcenter so that the upper part of the tube would not interfere with the line of sight. The heart of the silencer was a series of distinctively shaped, stamped steel diaphragms or "vortex chambers." The action of these chambers is best described by quoting a contemporary Maxim booklet.

Great opportunities—Operate YOUR OWN SHOP! Learn easily with Country's most complete Master Gunsmithing Course. Approved for Korean Vets; low tuition. Write

PENNA. GUNSMITH SCHOOL 256-G Ohio River Blvd. - Bellevue - Pittsburgh 2, Pa.

SHOOTING ACCESSORIES





FREELAND	LARGE	LEATHE	R HOL	STER
RUG,	FOR H.	AMMERLI	, and	10"
barrel	led hand	guns		
FREELAND	Bench R	est Stand		
FREELAND	1/4 open	ing Rifle	Kit	
		Shootin		

FREELAND .22 Caliber Cartridge blocks, 50 hole \$2.00, DeWar..... FREELAND Sling Keeper Deluxe Cuff & QD hook Mid-Century cuff Comb. 8.50 Alum. butt plate 10.50 butt plate w/rubber pad 13.00 Schutzen hook for above 8.50 OLYMPIC PALM REST 12.50 CARBIDE LAMP..... 3.40

\$ 9.50

20.00

20.00

Trigger Pull Gauge. 5.80
RIG SCORING GAUGE 2.00
MITCHELL #2 Shooting Glasses. 10.74
10X SHOOTING COAT 20.00 Remington 66 NYLON 52.95 49.95 Massberg 144-LS... 63.25 Sturm Ruger, Single-6. **LEE SONIC EAR STOPPLES, Pair 3.95

ACE TRIGGER SHOE, mention gun Win. Model 50 Shotgun 12 Ga......134.45 S&W Model 41 .22 Automatic.........100.00 S&W Chief Special, Regular 65.00 HIGH STANDARD SPORT-King

HIGH STANDARD Supermatic Citation ... 87.50

WRITE FOR INFORMATION ON NEW MARK III BSA. .22 Caliber Target Rifle—it is the SUPREME in target rifles. Prices Subject to Change Without Notice
JOBBING ALL THE REMINISTON, WINCHESTER, MARLIN,
S&W, RUGER, HIGH-STANDARD, CROSMAN, MOSSBERG, FIREARMS, SHERIDAN, BSA TARGET GUNS, etc.

FREELAND'S Scope Stands, Inc.

3737 14th Avenue Rock Island, III.



BUY SURPLUS NOW DIRECT FROM U.S. GOVERNMENT

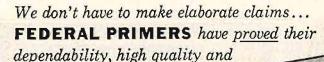
TREMENDOUS SAVINGS — COLOSSAL GOVT. SALES—BUY AT FRACTIONS OF ARMY AND NAVY COSTS. Individuals can now buy direct from U.S. Govt. Surplus Govt. Property located in Govt. Depots throughout the entire U.S.—from coast to coast—Depots located in every state. FOR SALE: Boats. LST's. LCVP's. Aircrafts, Helicopters. Marine Eugines. Radar. Sonar, Radio Telephones, Walkie-Takles. Nautical Instruments. Electronics, Marine Equipment, Hardware, Elec. Etc.
ALSO: Jeeps, Trucks, Tractors, Trailers, Automotive Supplies. Amphibious Vehicles, Farm Implements, Farm Machinery. Tools, Generators, Etc.
Thousands of other items too numerous to meniion. Send for "GOVERNMENT SURPLUS SALES"—\$1.25, (Lists Govt, Depots & Procedure to Buy from Govt.)

"GOVERNMENT CIDDIIIC CAIRC"

"GOVERNMENT SURPLUS SALES"

Box 425 (Dept. GU)

Nanuet, N. Y.



performance

| Dipplipation | FED |

MORE THAN 5 BILLION
FEDERAL PRIMERS

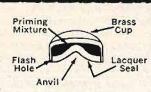
produced for U.S. Govt. and
private use proves FEDERAL'S
manufacturing know-how!

There is no substitute for experience. When you realize that Federal Cartridge Corporation has made and sold over 5,000,000,000 (five BILLION) primers, what better evidence can you ask to prove their quality and dependability. Federal experience means shooting satisfaction.

Federal Primers give you consistently uniform ignition – the prime requisite for accurate shooting. Neither temperature changes nor humidity changes can alter this uniformity. Independent ballistics laboratories have subjected these Primers to a temperature range of +140°F, to -60°F, and found no variation in performance.

Federal Primers are non-corrosive, nonmercuric and dependably stable. Put your trust in Federals – as many of the outstanding bench rest shooters do. Check the records.

Made in the U.S.A. where labor receives an ample salary.



IDENTIFICATION

No. 210 Large Rifle Primers

— Brass Cup — RED printing
on carton

No. 200 Small Rifle Primers

— Nickel plated cup — BLUE printing on carton

No. 150 Large Pistol Primers

- Copper plated cup-BLACK
printing on carton

No. 100 Small Pistol Primers

— Brass cup — GREEN printing on carton

retail price

\$8.00 per 1,000

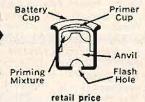
See your Federal Dealer

FEDERAL NO. 209 SHOT SHELL PRIMER

This is a "battery cup" primer-charged with Federal's non-mercuric, non-corrosive, extremely stable patented priming mixture—the same priming mixture as used in Federal's Hi-Power and Monark shotgun shells. Packed 100 to a box, 10 boxes to a carton.



Federal Cartridge Corporation • Minneapolis, Minnesota



\$14.50 per 1,000



Now Here! the MICRO FIBER WAD with "RING-LUBE" RICATION

Ask to see the full wad line at your dealers.

Go MICRO

Shoot the difference

Micro Ammunition
DIRCKS-BEATH, Inc.
Las Cruces, New Mexico
P.O. Box 1318

"Instead of being liberated into the air when the bullet emerges from the muzzle of the firearm, the powder gases are caught in suitable shaped chambers and given a very rapid whirling motion. This makes them act just as water acts when it is set whirling around in a set bowl. The most of it flies out to the outside, by centrifugal force, leaving a hollow or hole in the center. This prevents the water running down the drain hole, except very gradually. The gas in the Silencer does the same thing. The rapid whirling action opens up a hollow space near the center, and not withstanding the exit hole it only gradually passes out. Entering the air relatively gradually, it strikes no sudden blow and report noise is annulled. The hole can be made considerably larger than the bullet, obviously, and therefore accuracy of shooting is not

The Maxim Company furnished Silencers to the Army Ordnance Department for tests in 1909. Major McIver, Commandant of the School of Musketry, Monterey, California, listed the advantages of the Silencer as applied to Military rifles as reduced recoil, reduction of sound, less concussion, and absence of visible flash at night.

There is no reference to a silencing of the weapon, only to "reduction of sound." This point haunted Percy and his gun muffler, which he had chosen to call a Silencer, for a good many years to come.

A Silencer can not silence a bullet with a muzzle velocity in excess of 1,125 feet per second. This is because of a principle of aerodynamics that was a mystery back in the early nineteen hundreds—the phenomenon familiar to the Jet Age as the Sonic Boom. This fact was pointed out in the Maxim booklets and advertisements of the time.

But many military men, and sportsmen, either did not read these explanations or did not understand them. Only the word Silencer was important to them. Had the Maxim Company presented their device as a recoil brake and blast and flash suppressor, the outcome might have been different. But the label "Silencer" applied to it caused a decided psychological disadvantage. The average man, be he hunter, or soldier, unfamiliar with the technical aspects of firearms felt cheated when he heard the "silenced rifle" produce a resounding crack, and was wary of the legitimate advantages of the device.

Maxim fared somewhat better in the commercial promotion of his silencers. Advertising in the outdoor magazines, he offered the silencer for any caliber rifle and shotguns up to .45 caliber. A friction-fit coupling was designed that did away with necessity of threading the muzzles of .22 caliber arms. By 1911 over ten thousand had been sold priced at \$5.00 for .22 caliber and \$7.00 for larger calibers.

A Silencer that often did not silence was more confusing to the sportsman than it had been to the soldier, and the misunderstandings grew until the company was kept busy answering indignant letters and newspaper and magazine articles with patient explanations. To the average gun user, the silencer was a temperamental prima donna, fickle and beyond understanding.

Rolling with the punches, the Maxim Silent Firearms Company, Hartford, Connecticut continued doing business. In most of their advertisements they stressed its use in

(Continued on page 50)

POST HUNTING SEASON SALE!

FREE AMMO!!

Box of military ammo included FREE with rifle purchase. Note: Offer valid only if coupon below is enclosed with order.



it was most effective. A circular (about 1925) declared:

'The Maxim Silencer will not operate on revolvers. No revolver can be silenced. If you stop the noise at the muzzle, it makes its escape at the gap between the cylinder and the barrel.

"When used on automatic rifles extra care must be taken in the case of ammunition. The automatic breech opens so quickly that unburned powder grains blow back into the action of the rifle if certain makes of ammunition are used.

"Maxim Silencers are made in all calibers from .22 to .45 for rifles, single shot pistols, and automatic target pistols (.22 caliber only), automobile exhaust, stationary oil engine exhaust, compressed air exhausts, motor boat and marine engine exhausts."

"Every Silencer is sold with the understanding that it will practically annul the report noise and also reduce the recoil over sixty per cent, but that it will not silence the mechanical noises made by the breech mechanism, nor the noise made by the bullet in its flight through the air, nor the noise made by the impact of a bullet against a back stop."

Maxim Silencers were sold until after 1925. Then one of the recommendations of the National Crime Commission and the Commission on Uniform State Laws was that the sale of the Silencer be restricted. With the passage of such laws by the majority of the states, the Maxim Company stopped its sale.

The National Firearms Act of 1934 halted sales by silencer manufacturers, and prohibited their use in the United States. The Maxim Company is still in operation however, making Silencers (mufflers) for motors and industrial uses.

The Federal Law stopped commercial use of the silencer, but did not end their story. Silencers were used on special purpose weapons in War Two, notably the M3 Submachine Gun and the OSS Model H.D. Military High Standard .22 pistol. Of course, since "silencers" were controlled by the National Firearms Act, no ordinary civilian could lawfully possess one. The M3 .45 caliber submachine gun so modified is said to have "sounded like a .38," while the High Standard pistol made a zipping noise not quite like a pistol shot.

The High Standard model taken from U2 pilot Powers is of an odd construction. About the 6" barrel is a sleeve approximately 1" in diameter and an inch or more longer than the barrel. The barrel itself is straight diameter, and four lines of eight holes about the size of a No. 32 drill are run straight through it. Disassembled, held up to the light, you can see clear through the barrel from side to side and top to bottom!

The gas escaping through these holes retards the velocity of the bullet so the standard velocity ammo exits from the muzzle at quite low velocity. The space between barrel and sleeve is packed with ordinary wire screen disks or washers which just fit the barrel and inside the sleeve. At the true barrel muzzle, the diameter of the inside hole of the baffle disks is reduced to about .25 caliber, just enough to permit the bullet to get through. The sleeve is threaded and screwed to the barrel base which is of large diameter, and a spring ball detent locks the sleeve in place. A similar spring ball detent catches the muz-

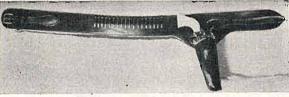


NEW IDEAS IN TOP **OUALITY HOLSTERS**



The Hide-a-Way Holster

Handcrafted for YOU; fits inside trousers band; concealed but available; pro-tects against grease, rust. Wt. 2½ oz. top grain soft cowhide, riv-eted nickel clipeted nickel clip. \$2.95 P.P.



1144. BLACK BEAUTY GUN BELT

Fast draw type holster with soft glove leather white lining. Belt and holster in black cowhide only. \$8.99 PP. Send waist size, caliber, model and barrel length of gun when ordering. Double gun set available @ \$13.95 PP.



WILLIAM STREET

1127 - SPECIAL: SWORD-CANE, RIDING-CROP

BLEACHED COW SKULLS

. . perfect state of pre-

wallhangers and conversation pieces, particularly with modern decor. Horns to 8" \$6.95 . . . to 12" \$9.95 . . . and over 12" \$14.95, F.O.B. Brownsville, Texas. Satisfaction guaranteed.

Beautifully made, hand-plaited, genuine leather riding crop, with 18 inch dagger hidden inside. Practical collector's Item. \$5.00 PP.

P. O. DRAWER 1712 **BROWNSVILLE 18, TEXAS** zle plate which is also threaded into the sleeve. A close look at the Soviet news photo showing the captured pistol and cartridges reveals the Russians took the silencer apart to see how it worked. As a point of passing interest, the Lot No. 5286 of standard velocity Remington Kleanbore .22s carried by Powers, was sold to the United States government in 1952.

This High Standard silencer is a most distinctive weapon. Its use is as a survival weapon. It was issued sometimes to Pacific Theatre personnel to enable them to shoot small game when forced down, without disclosing their position or scaring the game away from gunfire. To the extent that a .22 might be considered a defensive weapon, it might play that role. But, to repeat, it is distinctive.

And this is odd, considering all the secrecy about the U2. For Pilot Powers' flight suit bore no insignia or marks. The plane was sleek and silver, without a code or numeral. Generally, identification was limited or not visible. But someone had to issue Powers an unmistakable pistol which fairly screamed "This man is an American secret agent." The fact that only agents of the United States Government on official business might by law carry a silencer High Standard pistol makes one wonder. The U2 might still have been explained as a "weather plane" if that telltale secret agent pistol had not been found. The biggest voice to wreck the Summit was a silenced pistol that could not speak at all.

GUN OF THE MONTH

(Continued from page 27)

The patchbox, if present, was less ornate that the Pennsylvania type, as was the other hardware. The butt plate was deeply curved, following the American pattern.

The trigger guard seems to have been invariably screwed to the stock, contrary to the American practice of pinning. Set- and hair-triggers are infrequently found.

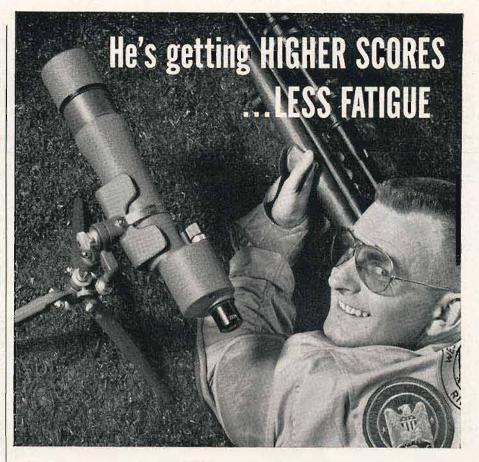
Another factor bearing on the identification of marked pieces is 19th-century territorial nomenclature in Canada. At first the country was divided into Upper and Lower Canada, so the initials U.C. or L.C. may appear on a gun following the name of a community, Later the divisions became Canada West and Canada East, and the initials were replaced by C.W. and C.E.

These characteristics mark the Canada Rifle in terms of present-day research, but a great deal of work remains to be done, and many of these points may be modified. As an indication of the present state of the field, the only known Windsor gunsmith, one Pierre Marentette, apparently produced guns for almost thirty years, and yet no single piece of his work has come to light.

In addition to the guns are related accessories, also produced in Canada. Windsor's museum has powder canisters, one with the label of a Montreal manufacturer, and a rare scrimshaw powder horn decorated with a scene showing British troops and naval vessels just prior to the Battle of Lake Erie.

The writer would be delighted to hear from anyone who might be able to contribute some further scrap of information to the study of the Canada Rifle.

Author R. Alan Douglas is Curator of the Hiram Walker Historical Museum, Windsor, Ontario, where he may be addressed.



he's spotting with BALSCOPE accuracy!

You can't get winning targets with tired eyes. That's why top-scoring champion shooters on the firing line have trusted Bausch & Lomb Balscope Spotting Scopes for years. Designed specifically for target shooting, Balscopes assure you the high optical performance you must have to spot accurately and quickly

without changing position. Clear, brilliant images keep eyestrain and fatigue at a minimum...keep comfort and shooting satisfaction at a maximum. This finest of scopes \$115 with choice of 15x, 20x, 30x, 60x evenieces at your dealer's. For free literature write Bausch & Lomb Incorporated, Rochester 2, New York.





Makers of: Balomatic Projectors - CinemaScope Lenses Ray-Ban Sun Glasses . Binoculars . Microscopes Quality Eyewear . Rifle Sights . Scientific Instruments



GOERG ENTERPRISES

HANDCUFFS, **LEG-IRONS**



Modern and antique shackling devices, criminology books. Send 25¢ for largest selection of restraints in the world.

PATTERSON SMITH 269-Q Shepard Ave., East Orange, N. J.

PROTECT AND DISPLAY YOUR GUNS

2 gun rack (shown)-\$3.95 4 gun rack—\$4.95 • 6 gun rack—\$5.95 Postage pd. on ppd. orders. Cal. res. add sales tax.

FRANK SALES, Dept. G860 Los Angeles 26, Calif.

Rifle Scopes, Variable Power

3x to 7x, Fine precision Imported Scapes, Coated Lens, Windage and Elevation Adjustments, Crosshair Reticule, Precision Optical System, Complete with Leather Lens Caps. Only \$39.95 Postpaid. Check or Maney Order, Guaranteed Satisfaction. ESMAN'S, BOX 71, TURTLE CREEK, PA.

MOST BEAUTIFUL IN THE WORLD

Made exclusively for Charles Daly by Vincenzo Bernardelli, noted Italian Gunmaker, these guns are guaranteed to perform under the most rugged condition, using both regular & Magnum ammunition. Other guns at higher prices cannot compare with the sound basic quality and beautiful workmanship. The Daly trade mark is your assurance of fine performance.



Other models to \$500.00. Send for Circular.

BERNARDELLI Lightweight Folding Single Barrel



Available in 12/16/20/410 ga.-3"-it is light-weight, compact & sturdy. Send for illustrated circular.

NEW SAVAGE 99 EG lever action 243-250-300 regular \$113.65 SPECIAL \$79.00

NEW MOSSBERG 352 with peep sight 22 shorts, long or long rifle regular \$38.95 SPECIAL \$29.95

DEALERS: Write for special dealer prices on above items. Also wide stock of foreign & domestic rifles, pistals, shotguns and annuni-tion and accessories. Write for latest price list. SHOOTERS: To order send \$10.00, pay balance

BIG BUSINESS IN SMALL PARTS

(Continued from page 31)

piled high as the ceiling on one floor of the old 1864 factory. Alligator shears was their fate-chopped in half or otherwise destroyed. Quaint deskweights among a nostalgic coterie of top executives included brand new Single Action B engraved nickel plated cylinders, damaged for sale by being dented with a ball peen hammer. And at Savage in Chicopee Falls and Utica, N. Y., vast shapeups in models and production went on. It was perhaps here that the revolution started.

Savage once made the Browning-designed five-shot long recoil automatic shotgun. A fine old gun, it was obsoleted by more streamlined designs, more efficiently produced on newer machinery. The stock of semi-finished parts accumulated at Utica was offered for sale to a young man doing a desultory business in Mamaroneck, N. Y.

Back in the mid-forties, aware that these things were being scrapped, I had pleaded with some of the gun company executives to sell the gun parts to someone as gun parts, to not cut them up or, as our government likes to quaintly put it, "demilitarize" them. But most of the company men returned a blank look, either did not understand that there would be an urgent need for much of the riches of steel and iron they were destroying, or did not have any idea who might buy it. Numrich would have been their answer then, as he was to a few firms. The Savage deal, for example, has turned out to tinued. And to get their production rolling again with minimum cost, they have just bought back from George R. Numrich the entire stock of Browning-Savage shotgun parts they sold him a decade ago for scrap!

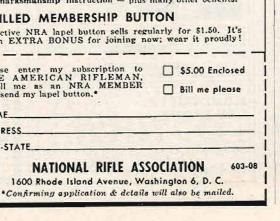
A sharp sense of the exact form his business was to take, on the part of George Numrich, is the only thing that has made this possible. To paraphrase a popular gun sales slogan, "What Numrich Arms Is, Is Numrich Arms." Seldom have so many corporate identities been lodged in the person and responsibility of one young man. At a dinner of the Young President's Club George Numrich could take a seat half a dozen times. He is the owner and successor in interest (to name a few) of Hopkins & Allen Arms Co., Forehand Arms (Forehand & Wadsworth and a host of inter-mingled corporate identities scrambled up in the limbo of the 1880s), Standard Arms Co., and the Auto-Ordnance Corp.

Though churlish associates have challenged that Numrich is not a gun collector, but a collector of defunct gun companies, one at least of those above is very active indeed: the Auto Ordnance Corporation. Sole proprietor of the trademark "Thompson Submachine Gun" and "Tommy Gun", Numrich guards it with a congenial jealousy which, however, has its limits. When Guns published the essay by Sweden's Nils Kvale "Where Tommy Guns Are Shot By Civilian Marksmen," Numrich post-haste pointed out that he was the sole proprietor of "Tommy Gun" and that the words were incorrectly applied to the Swedish m/45 "Kaw-peest" burp gun which was the subject of the story. However, we replied that we'd be very happy to give him a write-up on his products, and why didn't he forward a Tommy Cun for review like all the other big companies send the gun writers test guns? He shot back with the notice that people in all walks of life in the U.S. write to him seeking to acquire Tommy Guns. "But, hampering our excellent potential business in this direction is the fact that there remains an additional payment of a so-called transfer tax above sale price: the 'tax' amounts to \$200 per gun extra."

But from people to whom the tax does not apply-export orders, for example-and Texans wealthy enough to pay the tax and shoot for fun. Numrich does a surprisingly thriving Tommy Gun Business. A typical recent order came by telegram from His Royal Highness, the Sultan of Kuwait, His palace guards are in rather urgent need of firepower in that uneasy kingdom. Numrich, as the exclusive manufacturer of the Thompson Submachine Gun, was in a position to make quick deliveries.

As for sport shooting, "Down in Texas the Thompson is terrifically popular," the youthful parts dealer declares. "A great pastime

(Continued on page 55)









fine grips, oting condi-\$59.95 al. . 74.50



FRONTIER DERRINGER



MFG, in Ger-many. Tho New Over & Under 22 Cal. Blue finish \$19.95 22 Mag. Chrome . . 29.95 22 Cal. Chrome . . 24.95 38 Spi. Chrome . . 34.95



GERMAN POLISH 9MM RADOM AUTOS

GREAT WESTERN PARTS AVAILABLE (Send For List)

Similar in appearance to the U.S. .45 Auto. Beautiful commercial type blue finish. Walnut grips. Near new cond. \$34.95. Ammo: \$4.75 box. Holster: \$5.95.

OBERNDORF GERMAN 98 ACTIONS

Kar 98 Commercial Mauser Actions. Blue finish Have Mauser trade mark on receiver.....\$25.00

GENUINE GREAT WESTERN



The "Fast-Draw" Special is a Frontier Revolver that has been factory modified to offer an extra smooth action and base riangles and barrel and barre

MAUSER Military Pistols

COLT SINGLE ACTION PARTS



COLT PERCUSSION REVOLVERS



AUTHENTIC HOLSTERS

Custom made Original Authentic type holsters. Available for Colt 1860 Army, 1851 Navy, Colt S.A. and Remington Army Percussion revolvers. Colt \$9.20





ENFIELD COMMANDO .38 CALIBER

Six shot 5" Bbl. Double action revolver. Excellent mechanical evolver. Excellent mechanical and shooting condition.

Good Condition Near Mint Cond. Nickel Plated Gun Like New.... 28.75

JUMBO USED GUN Catalog \$1.00

Tremendous selection of modern and antique gun bargains. Colt Single Action, Colt and Remington Cap and Ball revolvers, used revolvers and ou-tomatics. Used shotguns and rifles and hundreds of other hard to get items for the collector and shooter.

WEBLEY .45 AUTO CAL.

Quality English WWII revolvers. Beautiful blue finish. Select Grade \$19.95. Nickel Plated Gun Like New

Amma\$3.50 Per Box

WINCHESTER 1873 CARBINES



SMITH & WESSON REVOLVERS

38 cal. M & P revolvers, Excel-lent select grade condition —

.....\$26.95 Military finish



Bayonet & Saber — Very finest quality & work-manship — Collectors find — mint condition \$4.95 Enfield Rifle Bayonet—mint—\$4.95 Aroentina Bayonet—\$4.95 (Send 50c for Shipping)

GERMAN MILITARY Catalog 50c

Outstanding collection of German Military Arms. German Lugers, P-38's, Mouser Military pistols, Browning au-tomatics and many other German Arms. Also parts, holsters, grips and accessories, current listing of de-acti-vated machine guns.

GREAT WESTERN Catalog 50c

Completely illustrated, showing all models of Great Western Arms. The Single Action, Derringer, Buntline, Deputy. Also complete selection of holsters and quick draw sets and equipment. Parts, presentation case and engraved models are also included.

GERMAN 9MM P-38

\$42.50 Fine High quality German Watther, World Wor II German automatic. Fires 9mm Luger car-tridge. Original condition. Extra \$7.50. Ammo 9mm, \$8.50 for rounds. Original as issued, Army Holster \$5.95

U.S. SPRINGFIELD RIFLES

MAUSER RIFLES & CARBINES



MANNLICHER MILITARY PISTOLS

Very rare 7.65 caliber, Beautiful blue finish. Walnut grips. Ex-cellent cond. \$24.95. Near mint \$29.95. Ammo: \$4.50 box. Stripper clips: \$1.25 each. Holster: \$5.50.

STEYR 9MM LUGER



COLT SINGLE ACTION Catalog 50c

An entire catalog devoted to genuine hard to find early model Colt Single Action revolvers. Complete listings on engraved guns, parts, grips and hol-ster sets. Outstanding values on qual-ity collector Colts. Prices start at S44.00.

EARLY & MODERN FIREARMS CO., INC.

P.O. Box 1248, Studio City, California

34 95

orand new * JUST OFF THE PRESS

THE DISTINCTIVE

BY THE EDITORS



A MAGNIFICENT NEW PUBLICATION WITH EXCLUSIVE LUXURY FEATURES THAT PUTS IT IN A CLASS BY ITSELF

DELUXE STEEL SPIRAL BINDING BRILLIANT FULL COLOR COVERS PRESERVED IN GLEAMING PLASTIC COATING SUPERLATIVE COLOR LITHOGRAPHY THROUGHOUT SPECIAL GATEFOLD MASTERPIECE OF GUN ART IN GLOWING COLOR SUITABLE FOR FRAMING WUNEQUALLED EDITORIAL EXCELLENCE WINEQUALLED EDITORIAL EXCELLENCE

RTERLY IS A NEW MATERIAL AND STORIES NEVER BEFORE PUBLISHED

vivid accounts of gun slingers in the Old West up-to-the-minute reports on guns of all types hundreds of dramatic photographs . . . unique graphic design

priceless reading matter in all fields of gun interest exciting stories of the Civil War Days

special reports on important events shaping the role of firearms in the modern world

No expense has been spared to make Guns Quarterly a color-filled, richly printed "limited edition" volume. We're fast running out of superlatives to describe the unique and rewarding qualities of this impressive quarterly. You must see it for yourself. Once you sense its variety and sparkle, once you are enriched by its timely and timeless information, Guns Quarterly will take its place among your prize possessions.

SUBSCRIBE NOW at a no-risk MONEY-BACK GUARANTEE

Guns Quarterly is out four times a year...in May, August, November and February. You would expect it to sell for a price much like its counterparts in the hard cover book field, anywhere from \$10 to \$15... but you pay only \$4.00 a year for all four quarterly editions. And, you take no risk, if you're not completely satisfied, simply tell us. We'll cancel your subscription and refund payment in full! Volume I is ready now! . . . before you do anything else mark and mail the coupon below today!

GUNS QUARTERLY

8150 N. Central Park Ave. Skokie, Illinois

Please enter my name as a subscriber to GUNS QUARTERLY and mail me Volume 1-just off the press. \$4.00 enclosed for four quarterly issues under your moneyback guarantee offer.

Name	
Address	

City_



LARGE 11 X 15 INCH PAINT-ING IN BRILLIANT FULL COLOR INCLUDED IN EVERY ISSUE OF GUNS QUARTERLY

(Continued from page 52)

there is the slam-bang shooting of coyotes from light planes. The Tommy, handled by range-flying Texas cowboys (most of whom are oil and beef millionaires in their spare time), is first choice for this varmint-shooting. These Tommy-Gun toting Texans hunt coyotes astride running steeds, from cars, and by air, in the day or using searchlights at night, blazing away with Tommy Guns. It must be quite a sport-there's a good bounty on coyotes in Texas, but I sure hope nobody shoots the wings off their own plane.

"We make a lot of gun parts here, or on contract," says Numrich, "And I guess we should supply a tail gunner's blister for Piper Cubs to go with our coyote-shooting Thompsons," he laughs.

Sometimes Numrich supplies sportsmen in

far parts of the world, too.

"The other day I received a call on the Transatlantic phone," George remarked. He was puzzled by the request, which was for a part for a U.S. Carbine, valued at all of \$2.70, plus postage. "I thought in view of the proposition, some sort of practical joke was being played," he told me. "The transaction, nevertheless, was entirely okay-a gun enthusiast in England merely wanted to ask me a question, at a cost of about \$20 to the telephone company. He was phoning from his club, and wanted to know if I could send him a part for his M-I Carbine. I could. and we made the sale: \$2.70. At that, we probably made a few cents larger profit than the phone company!"

Though Numrich Arms Co. is now the world's largest dealer in gun parts, a specialty within the gun business specialty, sources for his supply are not entirely in the second hand or close-out trade. Numrich makes a surprisingly large number of the components he sells. Either on the premises, the five buildings he has stocked with equipment and merchandise in West Hurley, or through contracting with producing gun-makers, a supply of specialized components is made available to shooters and gun bugs.

Some time ago George bought some unfinished barrels in various calibers, and offered them as barrel blanks to gunsmiths for refitting to, perhaps, an obsolete arm like a Model 92 Winchester rebarreled to .44 Magnum, or in 8" lengths screwed into old Remington cap-and-ball pistols for muzzle loading shooting. The demand, small and specialized to be sure, was still big enough to justify his going into the manufacture of his own "surplus." Consequently, for example, Marlin Firearms (which have always enjoyed good parts business relations with Numrich) fabricates exclusively for George lots of straight .22 barrel blanks for gunsmiths and rebuilders, at a fraction of the cost of name-barrel blanks. Metal-stamping firms turn out batches of clips for obsoletemodel Savage rifles for which the astute broken-gun broker finds a small but steady market. Winchester '73 dust covers are made by him, as well as 5-shot Garand and Carbine (Continued on page 59)



USERS REPORT OVER 1,000,000 GUARANTEED FOR 200,000 LONG LIFE . NO SCRATCHING . NO GALLING

Carbide Die & Mfg. Co. CEMENTED CARBOLOY (TRADE MARK) COVINA, CALIF. P. O. BOX 226



at modest price LEUPOLD M7

Wide field of view, high light transmission efficiency, Clear, sharp definition.

050

\$5 additiona

Nitrogen Processed. Exclusive Leupold nitrogen processed and hermetically sealed, Guaranteed fog-proof.

Superior Optical System. Fully corrected achromatic lenses, super-polished with Rare Earth compounds for greater light transmission. You can identify and bring down game under extremely adverse light conditions.

Lifetime Guarantee. Each LEUPOLD scope is guaranteed for life against mechanical or optical failure from normal use.

LEUPOLD M7 3 X

Extra-wide field of view, Ideal for fast moving or close cover big game hunting.



The Original Nitrogen Processed

fog-free Scopes

Locking levers permit instant change from scope to aperture sight or factory iron sight.

Detacho-Mount

LEUPOLD & STEVENS INSTRUMENTS, INC. Portland 13, Oregon

MASTERPIECES OF THE GUNSMITH'S ART

. . . yet they cost less than most ordinary guns!

IMPERIAL and DELUXE GRADE HI-POWERS with F. N. Action, in calibers .243, .270, .308,

.30-'06, .300 H & H Magnum, from \$129.95 STRONGEST SMOOTHEST ACTIONS

OTHER MODELS INCLUDE .22 Magnum varminter, \$24.95 12-gauge pump shotgun, \$89.9

.22 bolt-action sporter, \$19.95



See Your dealer or write for FREE catalog of the world's master gunmakers — the most accurate and finely finished barrels that American craftumanship can produce — perfectly proportioned and beautifully grained stocks of rock-hard genuine walnut — these are the things of which Jeffersons are made.

EXCLUSIVE "FIREKOTE" FINISH brings out the beauty of the wood, permanently seals out moisture to stabilize barrel bedding, guarantees your Jefferson's accuracy and handsomeness for a lifetime.

THE JEFFERSON CORPORATION



CHALECO IMPORTED JACKET is an allpurpose sport jacket ideal for hunting and shooting. Features a wild array of bold, dashing Aztec colors. No two alike. Offers plenty of arm freedom for shooters, yet warm and comfortable. Sizes small, medium, and large for men and women. Priced at \$6.95 plus postage from Latin Village, Dept. G-8, P. O. Box 606, Old San Diego 10, Calif.

GUN BOOKS

OVER 175 IN STOCK WRITE FOR FREE CATALOG

JACK FIRST

Box 542-G

Lancaster, California

HELP THE U.S. **WIN THE 1960** OLYMPIC GAMES



souvenir postcard from Rome, Italy

The U.S. Olympic Team needs funds to help send a complete, fully-trained group to the 1960 Olympic Games. Just a one dollar contribution rympic dames. Just a one dollar contribution from you can help them do it. And to acknowledge your contribution, you'll receive a special souvenir postcard, postmarked from Rome, Italy, and autographed by leading members of the ILS team

11	c O.S. team.
	MAIL THIS COUPON TODAY
ļ	OLYMPIC National Headquarters, Olympic House 57 Park Ave., New York 16, New York
1100	Here is my \$1.00-donation. Please send me the special Olympic souvenir postcard.
	Name
į	Address
l	CityZoneState
į	LARGER DONATIONS GRATEFULLY ACCEPTED Donations can be deducted on income tax returns
L	

Preparation Costs of This Announcement Donated by

aration Costs of This Announcement Sonate
These Chicago Companies:
Hayes-Lochner, Inc., Typography
Schreiner-Bennett, Inc., Art Work
Rapid Copy Service, Inc., Photostats
Rogers Engraving Co., Engravings
National Electrotype Co., Piates & Matrices

This Space Donated by GUNS Magazine

SHOPPING



MODEL 158 IMPERIAL GRADE A RIFLE, Calibers .243, .270, .308, .30-'06, .300 H&H Magnum. Fabrique Nationale 400-series bolt action, imported from Belgium. Damascened bolt. 24-inch sporter barrel of heat-treated, chrome-molybdenum steel with 12-groove swaged ratchet rifling, standard twist. Serrated, adjustable trigger gives crisp, clean pull. 5-shot capacity in all but .300 H&H Magnum, which is four shots. Hinged, engraved floor plate. Hand-rubbed "Firekote" finished fancy figured black walnut stock with roll-over cheekpiece. From the firearms line of The Jefferson Corp., 112 Quinnipiac Ave., North Haven, Conn.

CAMPING TRAILER in two-wheel model, designed for use with new short-wheelbase compact and foreign cars, introduced by Heilite Trailers Inc., P. O. Box 480, Lodi, Calif. Companion camper to single-wheel model trailer. New unit also opens up into complete camp for family of five in just one



minute. For off-season use, removal of camp unit converts Heilite into rugged utility carrier. Trailer light weight at 310 lbs., with low silhouette. Individually-suspended and cushioned wheels, connected by "no-sway" torsion bar.



PISTOL CLEANING KIT contains essentials for cleaning and protecting side arms. Available in sturdy steel tote box from Frank A. Hoppe, Inc., 2314 No. Eighth St., Philadelphia, Penn. manufacturer of Hoppe's No. 9 Solvent. Kit includes Hoppe's No. 9 Solvent, Cleaning Patches, Gun Wiper, Hoppe's Lubricating Oil, 2-piece Aluminum Cleaning Rod with unbreakable plastic handle and .22, .38, and .45 caliber cleaning tips. Retails for \$2.25. Copy of Hoppe's Gun Cleaning Guide packed with each kit. Steel tote box, finished in dark green, compact for easy carrying and packing, protects contents.



BRAZIER COVER. Made of heavy vinyl coated fabric, specially treated to resist deterioration from sun, rain, mildew fits all standard circular braziers including hooded models. Measures 27" in diameter and available with skirt 27" or 18" deep. Provides year-around weather protection for outdoorsman's equipment. Individually packaged, covers retail at \$3.98 and \$2.98 for large and small sizes, respectively. Brazier Cover is a product of Parvin Mfg. Co., 1149 So. San Pedro St., Los Angeles 15, Calif.



.38 S&W ENFIELD COMMANDO is quickdraw, double action revolver, the sidearm of Britain's famed Commando Raiders of World War II. Exceedingly accurate packs a powerful punch with light recoil. Easy handling, thumb rest grips. Good condition. Overall length 9%", bbl. 5", wt. 28 oz., capacity six rounds. A collector's find. Priced at \$12.95. For select models, \$14.95. From the line of Seaport Traders, Inc., Dept. 17, 1221 S. Grand Ave., Los Angeles 15, Calif.

NEW FAMILY BUNGALOW TENT, Roomy permanent-type summer home accommodates a family of five with room to spare. Bungalow tent for those who love the outdoors con-

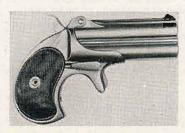


structed of sturdy 7.68 oz. green drill, durable and strong enough to provide protection against the elements. Tent measures 10x12 feet plus a 6-foot awning which can be closed-in with nylon netting, making the overall dimensions 10x16 feet. Equipped with doors on both ends and zippered screens for added protection. Four screened sidewall windows 30"x58" provide complete ventilation, with inside storm flaps which can be lowered in seconds. Bungalow tent manufactured by Fulton Cotton Mills, P. O. Box 1726, Atlanta 1, Ga.

WITH Guns



SLINGSHOT GUN has pouch of special design, permitting use of quantities of shot in each load—from fine shot to large steel balls. Diameter of shot pattern increases in size in direct proportion to distance it travels, approximately 14" dia. at 40 ft., 18" dia. at 50 ft., etc. With slingshot gun birds can be brought down in flight, all types of game may be taken while moving. A silent weapon of short range. Comes in kit form complete with polyethylene shot flask and shot, priced at \$3.25 each postpaid from Precision Machine & Development Co., New Castle County Airport, Bldg. 1301, P.O. Box 645, New Castle, Del.



FRONTIER DOUBLE BARREL DERRINGER almost exact copy of old Remington over and under .41 cal. Derringer. Offered for first time in either .22 cal. (22 short, long, long rifle) and .38 Smith and Wesson Special ammo. Police officers find Frontier Derringers make a wonderful 2nd gun or hide-out weapon. Plenty of power packed into Derringer's mere 15 ounces. Special hard chrome finish, black checkered plastic grip. Frontier models available from Hy Hunter Firearms Mfg. Co., Burbank, Calif.

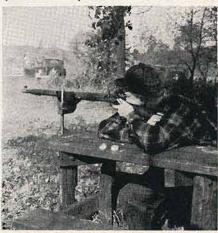


EVEREADY CAPTAIN LANTERN is sealed beam lamp with 2½ times the light output of 6-volt lanterns currently on the market. New 6-volt Eveready alkaline battery gives hours of continuous bright light. Made of stainless steel, lantern won't rust, tarnish or be harmed by salt water. Especially designed for hunting, camping, and boating use. Two models available: one with red flasher light priced at \$18.95; one without flasher light priced at \$16.95. From: Union Carbide Consumer Products Co., Div., Union Carbide Corp., 270 Park Ave., N.Y., 17, N.Y.

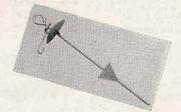


POINTER GRIP a perfect companion for your favorite handgun. Handsome Nu-Pearl Grip looks like real "mother of pearl" with fine sterling silver stearhead inlay to enhance its striking appearance. Unconditionally guaranteed. Won't warp, flare-up, burn or lose its original lustre. Easy to install. Available for all popular pistols. In ordering specify whether inlay should be on the right or left side of handgun. Single actions, \$15; Magna type, \$16.50. Shipped prepaid. Send for free literature. Southwest Cutlery & Mfg. Co., Inc., 1309 Olympic Blvd., Montebello 18, Calif.

MUZZLE LOADING SHOOTERS. Join the National Muzzle Loading Rifle Association and enter registered competitive M/1 shoots all over the country. Learn how to shoot your black powder guns efficiently, accurately. NMLRA publishes "Muzzle Blasts,"



monthly news magazine of events and facts for muzzle loading rifle, shotgun and pistol shooters. Contact National Muzzle Loading Rifle Association, P. O. Box 211, Shelbyville, Ind., (formerly in Portsmouth, Ohio.)

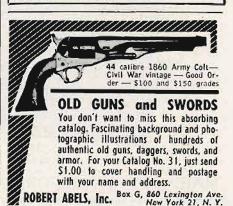


ANIMAL STAKE allows pets comfortable roaming freedom within a restricted area. Useful in park or camping areas where sportsmen want to be sure pets get normal, safe exercise. Stake Down is easily driven into the ground with a hammer and cannot be removed except by a straight up pull. Priced at \$1.98 retail. A product of G & S Sales Co., 240 W. Fifth St., St. Paul 2, Minn.



VERNIER TANG SIGHT is exact reproduction of early Vernier Tang Sight popular with all members of the single shot rifle fraternity. Fits most single shot and many early repeating rifles such as Winchester, Sharps, Ballard, Remington and Stevens. Every detail and feature has been duplicated exactly. Staff is 3½" high, has standard size hole in forward end only. Rear end is left blank and long enough for any tang size. Top quality construction, beautifully blued. Only \$13.95, postpaid, from Pony Express Sport Shop, 17460 Ventura Blvd., Encino 20, Calif.







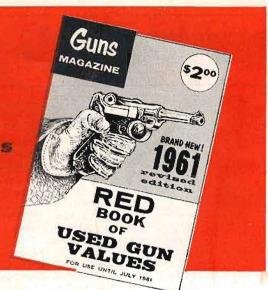
sharper pictures at all powers
because of the super compound
Achiro Leos. No color, no fuzz, Variablective advistable in 22, 43, r (i)
blocker, propose advistable in 22, 43, r (ii)
blocker, propose advistable in 22, 43, r (ii)
blocker, powers
shooting and wide angle viewing. Richer powers
for long range and Astronomy. Guaranteed to spot
22 holes in the black at 200 yds. Guaranteed to bring
distant objects, people, planets, etc. 60 times closer. 5
bakelite sections. trimmed in glemning brass—5 precision
lenses. A precision American made instrument, unconditionally guaranteed. Carrying case included. Send only
\$8,98. Cash. clock or money order. We may nectore

FREE!

All New 1961 Edition

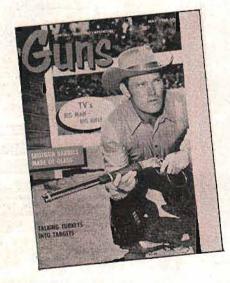
Red Book of Used Gun Values

- MORE PAGES!
 - MORE COMPLETE LISTINGS!
 - REVISED, UP-TO-DATE PRICE VALUES



Only the RED BOOK has ALL this fact-filled information!

- Up-to-date price evaluations of more than 2,000 famous rifles, shotguns, revolvers, machine guns —foreign and domestic
- Includes list prices of weapons plus three price values according to excellent, good and fair condition
- Tells you how to be an expert bargain hunter on the used gun market
- Every weapon described in detail as to type, make and model. Gun stocks, inlay designs, barrel, size of bore, year of make and other unique features are listed for quick identification



yours free ... a gift from GUNS Magazine

If you trade-in or purchase one used gun or a hundred, you're bound to save more money when you have the Red Book at your side. With just a flip of the pages you can quickly tell the price values of leading firearms. The Red Book puts you "in the know" . . . on a common bargaining ground with gun dealers in your community.

It's yours free with your 14-issues-for-the-price-of-10 subscription to GUNS Magazine. We guarantee you'll like GUNS; if you don't, just let us know and we'll refund the unused portion of your subscription. You can lose nothing. Fill in the coupon below and we'll send the current issue of GUNS and your FREE Red Book immediately.

MAIL COUPON BEFORE AUGUST 1

		James John Town, March Street World, Street
GUNS Magazine 8150 N. Central Park Ave. Skokie, Illinois		G-8
Send me my free copies of the and start my subscription to be refunded if I'm not con	o GUNS immedi	ately. \$5 enclosed to
Name		
Address		
City	THE STATE OF THE S	State

BONUS GIFT FOR PROMPTNESS



The Complete Gun Buyer's Guide & Directory

Mail coupon for your GUNS subscription before deadline date and, in addition to the FREE Red Book, we'll also send you absolutely free this brand new, up-to-date Gun Buyer's Guide & Directory. Lists 300 product categories, cross-indexed for easy reference, and hundreds of manufacturers of hunting and shooting equipment. Tells you who makes it and where to buy it. Yours free if you act fast!

(Continued from page 55) clips for hunters.

unique service.

One of the major parts sources stocking the West Hurley bins to overflowing is from police department confiscations. It is true that most of the good Colts and Smiths are salvaged by training officers before confiscated guns are junked out. But from the tremendous variety of automatics, obsolete U.S. off-breed dogs and just plain junkers, thousands of dollars worth of valuable parts may be saved. If the laws governing any particular department's disposal of confiscated guns demands the torch or hammer destruction of the serial-numbered gun frame, Numrich Arms Co. offers a truly

George's mechanics will receive on memo any guns from police departments, salvage the usable springs, cylinders, grips, screws and pins, and then return the stripped numbered frames for destruction, along with a certified check for the usable parts! Many small-budget training programs have been greatly amplified by unexpected new funds which come from a wise disposal of confiscated junkers to George R. Numrich. Not only does the police department make money out of junk this way, but it often has unexpected dividends in improving law enforcement. Numrich Arms has been called upon by Firearms Laboratories to rebuild an evidence pistol enough to fire a shot, in suspected homicides when only parts of the pistol or shotgun may have been recovered by the police. Only by drawing on his tremendous stock of 27,000,000 gun parts is such a thing possible.

Classifying and sorting parts is an endless chore at Numrich Arms, a chore with its drudgery, to be sure, but not without some of the excitement of a paper chase (or a somewhat greasy detective story). And being a "gun expert" is not much of a help, either, as several hundred of the nation's top gun fans found out a couple of years ago, at a large gun club exhibition.

That convention Numrich attended displaying tables of sample parts: many exotic and valuable items such as Civil War percussion musket parts, Remington Navy Rifle barreled actions, and other fragments from the history of America's arms trade.

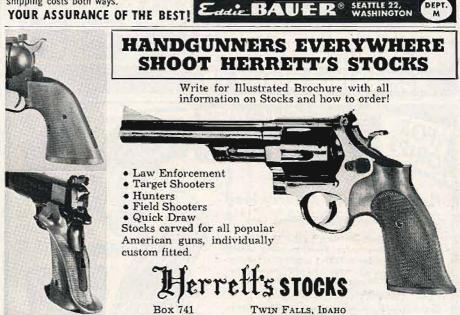
As an added attraction, he set up a case showing a couple of dozen fairly large and reasonably easy to identify gun parts. You picked up a printed form at George's table, checked off each item by writing its descriptive nomenclature, drawing upon your vast experience in the gun business, and returned the form to George all filled out with the correct answers. There was a routine joker



Morseth Knives acclaimed by guides, hunters, experts! Super-tough inlaid blades stay razor-sharp. Lifetime guarantee against accidental blade breakage! Patented fibrelined Safe-Lok sheath protects wearer! Knife shown, with 6" blade, laced leather sheath, \$18.00 pestpaid. Other models, 5" & 6" blades, \$8.75 - \$20.00. Send stamp for folder!

MORSETH SPORTS EQUIPMENT Clinton, Washington









The Finest Custom Checkering and Carving

Catalogue of 16 beautiful Checkering Patterns 35c, refundable on your first order You may feel confident when you entrust your gunstock to our care. Our workmanship considered as fine as can be had anywhere. Dealer inquiry invited. Write Dept. GM.

SHAW'S CHECKERING SERVICE, 9311 Cellini Ave., Garden Grove, Calif. Phone Lehigh 9-3013

BLADE

INLAID

10%-15% HIGHER SCORES Cut-Away Views Typical cast Bullet

NRC Cold

Formed Bullet

...with Northridge "Cold-Formed" Bullets for Handgun Marksmen

> NBC Bullets . . . the only "cold-formed" and swaged but lets made in the U.S. . . are totally different from ordinary cast bullets: NBC Bullets are squeeze-formed under 10,000 lbs. of pressure. This exclusive new process actually squeezes out the "air bubbles" and "air pockets" so common to cast bullets. And these "air bubbles" are the defects which cause wobbling and keyholing...decrease accuracy by at least 10-15%. X-ray analysis proves that NBC Bullets are free from these defects. NBC Bullets are also swaged, sized, and greased for perfect balance. To boost your target range score by 10-15% . . switch to NBC "Cold-Formed" Bullets today!

TO ORDER:

Enclose check, cash, or money order. Shipped F.O.B. Los Angeles, California residents add 4% State Tax. Dealers and Club Officers: Inquire on your letterhead,

	The second secon	9600		
Cal.	Bullet Description	Weight	Cost/100	Cost/100
☐ .38 ☐ .44 ☐ .45 ☐ .45	120700000000000000000000000000000000000		3.50 3.30	\$18.00 29.00 26.00 26.00



BULLET CO. Dept. G-8
P.O. Box 64, Northridge, California

Non-Breakable, Guaranteed

For All American, Many Foreign Guns

Non-slip and precision-fitted, FRANZITE GRIPS are the most durable made! Beautiful colors; smooth, checkered, staghorn and fancy carved; truly distinc-Long-wearing, unaffected by moisture, perspiration, most mineral and vegetable oils. Will not chip or peel. Luster, color are permanent.

Conventional or conversion styles. Also target grips, with or without thumb rest. Available for all popular guns in: Ivory, Pearl, Onyx, Agate, Walnut, Black and Stagharn finishes. Low cost, \$2.50 to \$8.00—See our complete catalog!

Franzite Grips Are Sold Under Our Guarantee

CATALOG

Write today for 28-page book. Prices, illustrates grips for all American makes, plus many for-eign.



Colt Remington
Great West'n Ruger
H & R Sovage
Hi-Standard S & W
Iver-Johnson Walther

Luger Mauser Ortgies Czech Savage Dreyse S & W Schmeisser Walther Llama And Many Others

SPORTS, INC. 5501 Broadway, Dept. CH-8, Chicago 40, Ill.



CHASE PRICE ALSO INCLUDES one top grain all-cowhide official PAST DBRW HOLSTER with Leg-tic and all-cowhide matching BUSCADERO BELT, Specify waist and right or left hand holster when you order. NOTE: Also avail. able in .45 Caliber, if desired, at \$16.95

NEWI WAX LOAD KIT FOR FAST DRAW PRACTICE, kit of 50 primer .38 S&W Csl. Brass car-tridges, loading wax and instructions. Camplete ... \$2.45

WEAPONS, INC.

TO ORDER: Send to ORDER: Send check, cash or money order. \$5 deposit for C.O.D. Shipped F.O.B. Culver City. 10-day money back guarantee.
2-Gun Rig, \$37.50

11029 Washington Blvd. Culver City 11, Calif.



STITH MOUNTS 2676 E. COMMERCE

to it: if you missed one question, it cancelled one you had right. If you missed half, therefore, you got the grand total of Zero. I of course figured this was a cinch and, together with Val Forgett (Service Armament Co.), worked out the answers.

"As far as gun parts contest goes," George later wrote me, "we at least have learned just how smart we are. The whole thing was silly-we are just too close to the gun parts business to recognize our own goods. Forgett got minus 35 on his sheet." Charitably. George spared me the blow: I, too, must have got minus 35, because Val and I filled out our sheets identically, figuring on George awarding us duplicate first prizes, naturally! The winner was a chap of a clerical frame of mind, who knew nothing about guns, but had good eyes. He kept circulating from table to table, examining all the guns at the show, and then running back to the Numrich Arms display to check. He got enough right to win; that he probably didn't have to win with a very high score is small consolation to the gun guys who thought they "had it in the bag." Instead, it's George Numrich who has it "in the bag," the world's largest grab bag of gun parts for any purpose. It seems there is something in West Hurley for gun dealer, gunsmith, shooter, rebuilder, governments and even Harem guards for the Sultan of Kuwait, or harem scarem Texas coyote hunters!

GREER GARSON, GUNNER

(Continued from page 33)

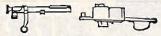
Winchester 12. The skeet range on Forked Lightning Ranch is professionally equipped with automatic traps, and is the scene not only of family practice but of party groups made up of guests.

County fairs were another of Greer Garson's childhood fascinations, and they still delight her. Now, she combines her early interests by attending every fair she can reach and secking out the shooting galleries. Many a Teddy Bear or other prize in proof of her marksmanship has gone home with her to be given to neighborhood children. She believes in, and preaches enthusiastically, the doctrine that every woman (and every man, of course) should learn to understand guns, to handle them safely and well, for sport and also for self protection.

To many Americans, Greer Garson's greatest screen moment may have been her role as the valiant and immortal "Mrs. Miniver." Her screen emotions, staying at home as her husband risked his life aiding the wounded aboard the rescuing boat while the Luftwaffe blitzed the British forces at Dunkirk; this performance of hers was one never to be forgotten. But there are those today who think, at they watch her break a "run" at skeet, that if she had only wielded a shotgun at Dunkirk, the battle might have had a better ending. A score of 18 out of 25 of those diving Stukas could have made a difference!



NEW LOW PRICE .22 CONVERSION KIT



FOR ALL 1903 SPRINGFIELDS

Handsome conversion unit allows year 'round use of your favorite rifle, even after big game season is past, leexpensive practice (or hunting & plinking; now possible with a real, man sized, 22 which not only shoots better but reels better while shooting, (dust slide out better but reels better with a souting, (dust slide out cating bolt, with precision riflet barrel liner gives acting bolt, with precision riflet barrel liner gives super accuracy. Each unit, in display box, contains 22 bolt, barrel liner, trigger guard & 7 shot magazine. Bolts have adjustable hendspace feature guaranteeing bolts have adjustable hendspace feature guaranteeing volume sales tumble price to a 10w. 10w 518, 28 ppd. Extra magazines



STEVENS-SAVAGE ,22 CALIBER MAGA-ZINES, New. Fits all Stevens and Savage models after 1923. Spec. \$1.00 cs., 2 for \$1.75, 3 for \$2.25.



U. S. CARBINE MAGAZINES

FREE Water (& dirt & tobacco) proof rubber cap given w/ea. magazino.



• 5 shot capacity—required by law for hunting, fits flush with guard—streamlines appearance. Solid machined buttom—not "raw" appearing oversized fold overs that some are selling ... \$2.45 \\
• 15 shot, in original wrap, only \$1.00 on. or 2 for \$1.75 \\
• 30 shot, "banana" clips only \$4.95 or 2 for \$7.95!



REMINGTON 500 SERIES

22 caliber magazines, 5 shot. New. Only \$1.00 ca., 2 for \$1.75, 3 for \$2.25.

NOW — SPECIAL PRICE! SPRINGFIELD 3 BLADE screw. rivers as issued.



GARAND RIFLE CONVERSION KIT

reduces to 5 shots, only way to make Garand (ully legal for hunting in most sales, (eastly installed & removed). Set complete with special folloper & 2 five shot clips, 53.95. Sktra 5 shot clips, 95c ea, Standard 8 shot clips, 52.00 per dozen.



SAVE \$8.25 in lots of 75

.50 Col.

bronze brushes



for serious cleaning. The extra size makes clean-ing bores fast & easy. For all standard rock. Long Lasting, 25 brushes \$1.75; 75 brushes \$3.00.



Winchester 73 Extractors-new, \$2.50 ppd.; 73 firing pins (state caliber) \$3.75. (Write for other 73 parts)



LARGE IVORY BEAD SHOT **GUN FRONT** SIGHTS

Improves hits.

Special __ 4 beads for \$1.00

GARAND TOOL



WORTH ANYTHING WHEN NEEDED

In field or on range, this ordnance tool may be needed at any time-for bolt disassembly, because of poor extraction with fouled chamber or for rifle takedown "Similar to illus", only latest model with bronze brush end". Fits conveniently in butt trap-Keep shooting, a good lovestment, as issued, Only \$1.00 eat, (Good to carry with gun-new firing pin-\$1.25, new extractor-\$1.25)

SAVAGE MODEL 40 New 30/20 barrels.

JOHNSON RIFLE BARRELS



Save your good one; (also fits LMGs). In 10-06 cal. hores, pitted, ideal for shorting-p.G.I. gamno, Mostoner, pitted, ideal for shorting-p.G.I. gamno, Mostoner lug and middle and rear barrel bushings. The Johnson rife is unique since it handles most any high power cal.—AND, we are selling these complete barrels alone. Use one of our many barrel blanks to make your solnes, the construction of the pitch of the control of the

INSTANT GUN BLUE

"FORMULA 44-40" NOW USED IN EUU.S. GUN PLANT AND MANY ABROAD. industrial uses found daily in aircraft,

industrial uses found daily in aircraft, sub-marines, clocks, etc.

NEW HIGH-SPEED FORMULA gives even
better results. Lakes seconds to apply
beautifies, protects. Used cold, nothing
beautifies, protects, used cold, nothing
characteristic and guasmiths everywhere. Guaranteed to be the best cold blue you even
used—or your money back.

\$22.00 ppd.

CARBINE REAR SIGHTS

adjustable for windage & elevation. fits all U. S. Carbinos. slides into roceiver dovetail - 2 minutes to install. as issued. \$1.85 ppd.

SPRINGFIELD A3 SIGHTS. Similar to above, for 1903A3 only____new, issued_____S1.85 ppd.

NOT \$5.00 ONLY \$1.49



HOODED TARGET FRONT SIGHTS



SPRINGFIELD 1903 RIFLE

One piece safety firing plu, with oring speed look action. Just seconds to install, no laborious taking apart of old firing pln. Really safe, does not depend on tiny wire clips. True Mauser type with solid safety shoulder. Lock time reduced by nearly 50%. Speed mainspring of speedal Austrian steel 50.75.



HOODED FRONT SIGHT

Standard dovetail, complete with 3 inserts, ready to install. Only \$1.00

LYMAN 57A REAR SIGHTS-SAVE ALMOST 50%-NEW \$4.50



STANDARD DOVETAIL OPEN REAR SIGHTS

one folding with windage ad-





SHOTGUN BEADS DO GET LOST & BROKEN

Here's a packet of 10 large bead (standard 4/40 thread) sights for usual price of just one, ONLY \$1.00 per Packet

BREECH OIL & THONG SET.



For Springfield, Garand, Enfield & Krag, fits in butt, nickeled brass, not plastic, as issued, excellent, complete with cleaning brush, thoug, oil applicator ____\$1.00 ppd.

1917



-Brand new. Made in World War I of fine walnut; stripped of metal, only \$2.95 ppd. (Write wants for other Enfield parts.) Set of handguards, \$1.75 extra.





sign - 52.75 ppd.

NEW 3° SAW BAIL.
REIS. either commercial blue or parkerised — state which. 38 Special or -28 SAW Caf.
Compacting Fits MacP. "K" and "Combat', also 38 Victory, Buy a spare at this bargain pice. Limited Supply.

SPECIAL SALE



Complete with floor plate, catch, pin & spring, steel, not aluminum. Special Price \$4.95. (Follower \$1.00, spring 50c extra.)

ANOTHER NUMRICH SUPER SPECIAL HEAVY-LONG SUPER TARGET .22 BARRELS



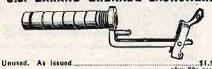
NEW REMINGTON MATCHMASTER BARRELS, for use as barrel blanks or on Romington guns in the 500 series, 26° long, 13',16° diameter, all polished and blued, chambered for .22 l. r., 6 groove rifling. Each barrel trued, tested and serial numbered by Remington. The pride of Remington's barrel makers. Even if you do not NOW have a gun for rebarreling, you will in the future—may we suggest you pick up 1 or 2 of these at this exceptional price before they are gone? High strength exceptional price before they are gone? High strength pistol barrels. Originally made for the 13 Target rilles—special \$4.95 plus 30c post. (Ramp & front sight for above.—\$1.25)

EXTRA HEAVY 22 CAL, BARREL BLANKS

Full 11/16" diameter, straight, rified blank—6 groove for super accuracy, 27" long—large diameter makes adaptable for most rim or center are actions. 1 turn in 14"—only \$7.95 plus 70¢ (Chambering for .22 L.R. only, and \$1.00)

ORDNANCE TOOLS for U.S. Carbines QAS PISTON NUT
WRENCH, essential for removing gas piston for
cleaning ------91.00

U.S. GARAND GRENADE LAUNCHERS



plus 30c post.

44 CALIBER RAPPEL BLANKS

27" long X Va" dia. Used for 44/40 & A4 Spec. High alloy steel, adaptable to Wip. '92, 1873, 6 groove riffing, Marlin pistol barrels etc., \$6.50 plux 70c post.

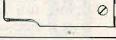
These shotgun barrols should cause one at these prices' ABOUT 82% DISCOUNT—buy an extra, ideal for slug & brush work, 20° cyl. bore, all 12 ga, new, blued, Winchester Mdl. 12 \$4.95 Winchester Mdl. 97.—Solid Frame \$4.95 Winchester Mdl. '97.—Solid Frame \$4.95 Winchester Mdl. '97.—take-down—complete with fitted bushing \$5.95

WANTED! Broken, incomplete guns!
All kinds for peable parts. We buy lots of 1 to 1000 pieces at HIGH prices, We must have parts and the only way to get many of them is by breaking up used guns. Ship off for our offer, Check alruadled day shipment received, Metchandles returned prepaid if offer not satisfactoryed, Metchandles returned prepaid if offer not satisfac-

WINCHESTER MODEL 73

DUST COVERS

complete with slide & screw\$3.75



NEW .45 BARRELS auto, 1911 & A1 ____ \$6.95

.45 AUTO MAGAZINES





SATISFACTION ALWAYS GUARANTEED

We have some 20,000,000 gun parts in over 27,000 sq. ft. of storage space-modern, ebsolete, foreign-advise wants for free quotation.

WEST HURLEY 1, NEW



of experienced shooters and clubs. Will load any 12 gauge case in any condition. Completely adjustable, 3 simple loading steps, all operations end on complete stop.

12 gauge \$159.95 See your dealer, or write:



D-L PRODUCTS COMPANY Box 4495, Lincoln 4, Nebraska

EXTRA SPECIAL GUARANTEED WATERPROOF EATHER BOOTS



· Brown, plain toe, 9" top

· Sylmer tanned leather

· Glove leather lining Vulcanized construction

- Para-vinyl toe & heel Cushion insole
- Guaranteed fit

ENCLOSED IS CH	HECK MONEY ORDER
Name	
Address	AND THE PROPERTY OF THE PARTY O
City	Dept G
State	

THE SPORT MART, Inc. P. O. Box 8047 - Dollas 5, Texas AS NEAR AS YOUR MALL BOX

Style 3300

ONLY

Now run a couple of magazines through your rifle rapid fire. Bunged-up lips on the magazine of a Win. 88 or a Rem. 740 or 760 can cause a lot of trouble. Then, too,

TUNE-UP FOR HUNTING HITS

(Continued from page 26)

aimed shot, the rifle should be sighted to make that shot hit where you hold. If you have to heat the barrel with fast shots after that first one, the hot barrel error is just another unavoidable factor. It may even offset your own sighting error due to haste!

Be sure you sight-in with your hunting ammo. Very few big bore rifles will throw bullets of different weights to the same point of impact, particularly the .30-06. One hunter forgot the fodder for his pet Springfield, and picked up a box of '06s at a filling station, without paying any attention to the bullet weight or make he had been using. The next morning, he spotted a big deer. That nice, easy shot he missed cold four times.

Now, this compadre of mine is an excellent shot, and had carefully sighted-in his Springfield with 150 grain Silvertips. I know, because I watched him poke five into a half-dollar size group. That evening I took a look at the box of ammo he had bought. It was loaded with 180 grain, round nose slugs. Three shots proved his particular '06 was throwing those 180 grain bullets about 12" high and 6" to the left at 100 yards.

The subject of ammo brings up the question of handloads. Handloads are fine and I hunt with "roll your owns" exclusively. But even the most careful handloader can foul up a batch of ammo that may prove expensive.

Carefully check the length of each case to be loaded for your hunt. If too long, reject it or trim it to proper length. Then full-length resize each case selected. If the primer seats easily, discard the case. A shed primer can jam up your rifle at a critical moment.

After loading, check the overall length of each loaded case to insure uniformity. The bullet seating screw should be adjusted to seat bullets to an overall length about 1/8" shorter than the magazine well. Then (and this is important) run the whole works through the rifle to make sure each loaded case feeds properly and smoothly. Its surprising what bugs will show up when a lot of ammo is fed through a rifle.

Several years ago, I finished a .25-06 Mauser a few days before antelope season. The rifle was rush sighted-in, the sighter cartridges loaded single shot. When I crammed five shells into the magazine early opening day, the top shell hung up and wouldn't feed into the chamber. Examination disclosed a burr on the under side of the receiver well. Not big, it was just enough to keep a cartridge from sliding smoothly into the chamber. A few minutes with a sharpening stone cured the trouble. However, I hunted the first day with a rifle loaded single shot.

Regardless of the five-in-the-magazine, onein-the-chamber claim for bolt actions, very few will handle such a full load. Usually a Mauser, Win. 70, Rem. 721-722, or Springfield will feed a lot more smoothly with four rounds in the magazine. Anyway, if I had to slam six shots at a buck I'd be just as well off with a slingshot. Few deer are killed with that fifth or sixth shot.



EXPERTS AGREE

Tawrence HOLSTERS

\$10.25

top them all

Leading sportsmen, national magazine gun editors and big game hunters choose and use Lawrence holsters and shooting accessories. They're built for action. Handcrafted from choice hides . . . made to fit better and wear longer. The Lawrence trademark on any holster means you get your money's worth in you get your money's worth in quality and service.

AVAILABLE AT DEALERS OR BY MAIL "



No. 122B Quick draw for all handguns. Leather laced loop, Illust. \$10.25.
No. 24 popular
Mexican style holster for all handguns. Ax illust. \$6.35.
For gun barrels over 8¾" add \$2.95

Write for Free 20-Page Color Catalog

Over 100 holster styles and quick draw equipment. Also rifle scabbard, cartridge belts, shell carriers, slings, knife sheath and belts,

THE GEORGE LAWRENCE CO.

9"5695 ppd.

\$470

Since 1857



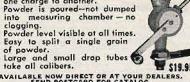
ANY this is the ORIGINAL Italian Stiletto made famous world over for its startling speed in life or death hunting or fishing emergencies. Blade is of durable high test carbon steel, guaranteed to slay razon with the carbon steel, guaranteed to slay razon steel, guaranteed to slay razon steel and the carbon steel, substanteed to slay razon with the start of the start geneles, Blade it of durable hig carbon steel, guaranteed to stay sharp. Has genuine bone handle, switch blade knife, but a precision-neered. STILETIC No. buttons to OPEN POSITION FASTER THAN THE CAN SEE, Easy to handle, easy to capy, Idaho customer actually claims it saved or measible highly which the components of GURRANTEED. Send cash, check or M.O. (ets. add 4% sales tax, 10-day money back guara

MERCHANTEERS, INC. 1221 S. Grand Ave., Dept. G-8, Los Angeles 15, Calif.

RCBS UNIFLOW **POWDER MEASURE**

- No special skill needed to throw
- No special skill needed to Introversor consistently accurate charges.
 Quick, easy adjustment from one charge to another.
 Powder is poured—not dumped into measuring chamber—no
- clogging.
 Powder level visible at all times.

AVAILABLE NOW DIRECT OR AT YOUR DEALERS. SEND POSTCARD FOR CATALOG.



GUN & DIE SHOP DEPT. G

O BOX 729

ORDVILLE, CALIFORNIA GUNS . AUGUST 1960



More uniform than cast bullets, makes any desired weight accurate, deadly game bullet takes seconds, no heat or lube. Allows much greater velocity.

C-H UNIVERSAL CORE CUTTER \$7.50 .38 cal. half jackets 10.75 M. .44 cal. half jackets 12.25 M. Lead wire, 38, 44,

DEALERS: Write for 1960 Catalog. \$10.00 Net Cash Orders Post Paid \$100.00 Net Cash Pre Paid -East of the Mississippi-

227-235 E. Third St. LEWISTOWN, PA. Phone 8-0171



Provides maximum comfort against gun recoil, increases shooting pro-ficiency and beauty of gun. Pachmayr recoil gads are constructed of neogrene and raw rubber and are not affected by solvents, oils or weather. A style, size and color for every need. Prices start as low as \$2.50. See your dealer. Send for fREE 16 page catalog. GUARANYEED

PACHMAYR GUN WORKS, INC., DEPT. 68
1220 S. Grand Ave., Los Angeles 15, Calif.



The MUSEUM of HISTORICAL ARMS Dept NC . 1038 Alton Road . Miami Beach, Florida Enclosed find \$1. Send catalog to:

Name		
Address		
City	State	

your rifle may not like a certain type bullet, In some arms, the jolt of recoil smashes soft point spitzer bullets into a magazine-jamming mess. Such bullets shoot all right but often don't feed properly. The best time to find out how your rifle operates rapid fire is on the range and not when you're trying to slam in a quick second or third shot at a buck.

Experience has taught me to carry a few essential tools on any hunt. The kit is simple and takes little space. Into a wooden box goes the following: a jointed cleaning rod and brushes, a screw-driver for guard screws, another for scope or sight screws, a small pliers, flat file, bottle of Hoppe's nitropowder solvent (taped to prevent breakage), cleaning patches, lens tissue, sharpening stone, friction tape, some wire, several 2" wood screws, and the receiver sight for my scoped '06. The receiver sight prevents ruining the hunt because of scope damage.

Several of the items may seem out of place, particularly friction tape and wire. However, each has its place in the kit. I remember the time I slipped on a steep rock slide and ended up with a rifle stock snapped right through the pistol grip. A wood screw. plus a liberal application of wire and then friction tape, put my rifle back in shooting condition-at least, I got my buck with it.

It isn't hard to sum up the few details necessary to insure a good hunt. Be sure all guard, scope, or receiver sight screws are tight. Sight in from a good, solid rest and with your own hunting ammo. Get all the grease and oil out of the action, especially for cold weather hunting. Check the overall loaded length of your handloads. Make sure every case feeds smoothly and properly from the magazine. Run a few magazines of shells through your rifle rapid fire. And carry a few essential tools, just in case. These few points may seem simple but, if overlooked. mean inviting trouble back in the woods.

GUN RACK

(Continued from page 6)

AMMO." Specialty of the house are dewat machine guns, still available in variety in spite of the sudden termination of the Dewat program. Ma Hunter has a few choice words to say on that subject, in the catalog's forward headed "Eternal vigilance is the price of liberty." Buyers of some of those single shot cannon will notice with pleasure that listed is a variety of 37mm artillery rounds. while Gatling guns for the first time in decades are listed (admittedly at high prices) as standard stock on hand. From "Ma Hunter," 8 E. Fort Lee Rd., Bogota, N. J.

Second list is that of Martin B. Retting, 11029 Washington Boulevard, Culver City, Cal. I'm not sure it costs money or is free: Martin just sent me page proofs all folded up. But he sure crammed a bundle of goodies into this one, as usual. Flint and percussion rifles and muskets galore are listed and on hand for sale, as are locks, and other component parts. Retting was always a good bet for that odd machine gun clip or unusual repeating rifle charger, and this list currently shows he has not backed down from that distinction.

Third is the list from Westchester Trading "Antique Gun Depot," 50c, fully illustrated of course, about 36 pages, from W. T. Co., (Continued on page 65)



\$37.50 ppd. Give men's or women's regular suit size and sleeve length. Order today!

FREE
58-Page Catalog
featuring conplete selection of
distinctive
leather shirts &
jackets, boots,
outdoor clothing
and emip-

and equip-

Norm Thompson DEPT. 6H

1805 N. W. Thurman Portland 9, Oregon

AMMUNITION

41 REMINGTON \$550 Per Box, 50 Rds.

,	30 Remington Soft Point	\$12.50
	25-35 Winchester Rifle Soft Point	10.00
	6.5 Italian Rifle Cartridges Military—per 100	10.00
	RMM Mauser Military Cart.	10.00
	.35 Remington Soft Point Per 100	17.50
	.45 Automatic Pistol Cartridges Factory loads, per 100	10.00
	762 Russian Military Rifle Cartridges, per 100	10.00
	30-06 Military Cartridges late issue	7.50
	25-20 Repeating Rifle Cartridges. Per 100.	8.00
	.303 Savage Rifle Cartridges Per 100	10.00
	30-40 Krag Blank Carthinger	10.00
	Per 100 .351 Winchester Stif-Loading Metal Patch Per 100-Value 514.00	8.00
	32 Long R F Cartridges Per 100	4.00
	32-40 Soft Point.	12.50
	32 Winchester S.L. Soft Point. Per 100	8.00
	30-40 Kran Silver Tip.	17.50
	Per 100	12.00
	Ear Defenders MSA for the Shooter. Brand	1.00
	New, Gov. Surplus Val. \$3.00 postpaid.	75c
	Bore Scopes, New Govt. Surplus: Postpaid.	130

RUBBER RECOIL BOOTS

tor shotgun \$ 4 DOZEN or rifle





JORDAN HOLSTER

Fost - Safe - Comfortable Preferred by the Experts

DON HUME LEATHERGOODS 8772 Van Horn St. La Mesa, Calif. Catalog 35c. Refunded on First Order

\$9.05 Postage Paid; Cal. Resid. Add 4% Tax

MARKET GUN

Classified ads, 20c per word per insertion including name and address. Payable in advance. Minimum ad 10 words. Closing date Oct. 1960 issue (on

sale Sept. 1) is July 16. Print ad carefully and mail to GUNS Magazine, 8150 North Central Blvd., Skokie, Illinois.

BUSINESS OPPORTUNITIES

GROW MUSHROOMS, Cellar, shed and outdoors. Spare, full time, year round. We pay \$4.50 lb, dried. We have 29,000 customers. Free Book, Mushrooms, Dept. 360, 2934 Admiral Way. Seattle, Wash.

CARTOONING & COMMERCIAL ART

"HOW TO Make Money With Simple Cartoons"—A book everyone who likes to draw should have, It is free; no obligation, Shapily address Cartoonists" Exchange, Dept. 1568, Pleasant Hill, Ohio.

COLLECTORS

"ANTIQUE GUN Depot": Civil War Springfield Percussion Muskets \$85.00 \$125.00 \$165.00; Civil War Enfield Percussion Muskets \$75.00 \$165.00; Civil War Enfield Percussion Muskets \$75.00 \$110.00; Also: Springfield 45.70 Klifes; Civil War Carbines; Winehesters; Kentuckles; Pfintlocks; Percussions; Swords: Bayonets; Accoutrements; Ammunition; Parts; Loads more Illustrated catalogue 50e, Westchester Trading, G-2478 Arthur Avenue, Bronx 58, New York.

GIANT BARGAIN Catalog! Hundreds of rare Civil War & Antique guns; Cannons & Military goods; Many scarce and unusual collector's items priced for quick sale. First Come, First Served, Send \$1.00 to Valley View Farm, Dept. Gm. Wadsworth, Illinois.

"ANTIQUE GUN Depot": Guns Galore!!! Flintlocks: Per-cussions; Springfields; Winchesters; Kentuckies; Swords; Daggers; Parts; Ammunition; Loads More. 1960 Illus-trated Catalogue 50c. Westchester Trading, G-2478 Arthur Avenue, Bronx 58, New York.

MINIATURE GUNS—cased Walkers and Patersons \$200 to \$400, also 22 and 2mm rim fire miniature derringers \$30 up, list, or will trade for uncirculated rolls and single key coins cents, nickels, dimes. R. W. Knight Seneca Falls, New York.

LARGE ILLUSTRATED Catalog—Antique and modern guns, swords, war relies, armor, military gear. Excellent reference book—\$1.00. Brick House Shop, New Paltz 4, N. Y.

"ANTIQUE & MODERN Arms, Accessories at Recession prices, Sample list, 25c, Ladd Arms, Catskill, N. Y."

GUNS — SWORDS — Knives — Daggers — Flasks. Big list 25c coin. Ed Howe, Cooper Mills 10, Maine.

ENCRAVING

GUN ENGRAVING of unsurpassed quality. Folder \$1.00. E. C. Prudhomme, 302 Ward Bldg., Shreveport, La.

GUNS & AMMUNITION

U.S. M1 36-06 GARAND RIFLES. Very good—879.95.
Excellent—889.95. U.S. 30-06 high number Springfield rifles. Excellent—889.95. U.S. 30-06 Enfield rifles. Excellent—849.50. U.S. 30-06 Enfield rifles. Excellent—849.50. U.S. 30-06 Enfield rifles. Excellent—849.50. U.S. 30-06 Enfield rifles. Excellent—829.95. Excellent—829.95. British Mk. 4 303 Lee-Enfield rifles. Cood—829.50. British Mk. 4 303 Lee-Enfield rifles. Excellent—829.95. British Mk. 4 303 Lee-Enfield rifles. Excellent—829.95. Sexellent—829.7-65mm Mauser rifles. Excellent—829.95. Sexellent—829.7-65mm Mauser rifles. Excellent—829.95. Sexellent—824.50. Perfect—829.95. Sexellent—824.50. Perfect—829.95. Sexellent—824.50. Perfect—829.95. Sexellent—824.50. Perfect—829.95. Russian 7.62mm Moisin rifles. Good—815.95. Excellent—829.95. Argentine Mod. 1879 43 cal. rolling block rifles. Excellent—819.95. Argentine Mod. 1879 43 cal. rolling block carbines. Good—817.95. Excellent—829.95. Remington Mod. 1901 7mm Rolling block rifles. Fair—89.95. Good—815.95. Clap 7.7mm Arisaka Rifles. Excellent—818.90. 30-96. 303 Entish. 7.62mm Russian, 6.5mm Swedish. Smm Mauser milltary ammunition at \$7.50 per 100 rds. Money back guarantee. Free gun list. Freedland Arms Co., 34 Park Row, New York 38. X. Y.

COLT FRONTIERS, Colt and Remington percussion re-volvers, Win. Lever actions plus many other Modern and Antique Guns, Will Trade, Stamp for list, Chet Fulmer (Guns), Detroit Lakes, Minnesota.

KLEIN'S BIG 128 Page New and Used Gun, Ammunition, all sports bargain catalog is hot off the presses! Nobody undersells Klein's! Send 25c to Klein's—227 W. Washington, Chicago 6.

NEW FIREARMS—Scopes—Reloading Supplies—Accessaries, Quick Service—Lowest Prices, Large Catalog Free, Walter Oliver, Box 55, Auburn, Indiana.

10,000 GUNS!!!—ANTIQUES, Moderns, Swords, Armour-every description. Giant Catalog \$1.00. Agramonte's, Yonkers 2K, X. Y.

U.S. M1 30-06 GARANDS, Very good—\$79.95. Perfect— \$89.95. Free List. Freedland Arms Co., 34 Park Row, New York.

HAVE GUNS . . . Will Sell! Miniature Pistols, Riffes and Accessories, G & S Mfg. Co., Nashville 3, Tennessee. 20mm NAVY CANNON Cartridges descrivated \$1.00 Post-paid. Joe Puffert, 3750 Hanley, Cincinnati 39, Ohio.

JAP 7.7mm ARISAKA riffes, Very good—\$15.00. Excellent—\$18.00. Al's Gunroom. I Beckman Street, New York, N.Y.

CUNS EQUIPMENT

QUICK DRAW Gun Holsters, Make and save, Free Information and Catalog, Tandy Leather Company, Box 791-L27, Fort Worth, Texas.

CUNSMITHING

GUN SCREWS, 6/48 or 8/40 assorted lengths 50c per dozen. Professional 2 flute Taps \$1,20 Special hard steel drills 45c. All postpaid. Send for Catalog 15GC on all Buehler mounts (including New Micro-Dial), Low Safetys etc. Maynard Buehler inc., Orinds, Calif.

LEARN GUNSMITHING, America's oldest, most complete, 2-yr. course. Earn AAS Degree. Recommended by leading Firearms Companies. Modern Equipment. Competent In-structors. VA approval, Trinidad State Jr. College. Dept. G-8, Trinidad, Colorado.

SHOTGUN SPECIALISTS: Complete Refinishing from \$20,00 up, Restacking, Rebluing, Repair all makes. Reburing, change chokes, lengthen chambers, New Parker Barrels, Frank Le Fever & Sons, Inc., Custom Gunsmiths, Frankfort, New York.

REBARRELING AND Rechambering In Any Caliber, We Can Handle Any Practical Rife or Pistol Rebarreling Or Conversion, Please Describe Work Fully, No Price List, Snapp's Gunshop, 214 N. Washington, Royal Oak,

CUSTOM VARMINT and hunting rifles to order from \$150.00 also scopes, sights, accessories. Specializing in restocking, refinishing, rebluing of rifles. Write your wants-will answer promptly, Ace Sport Center, 438 East 86 St. New York 28, N.Y.

CUSTOM GUN Plating Service—For those who like their guns a special way—22K Gold \$10.80, Nickel \$8.50 for all handguns—Write for needs. Cavalier Plating Co., 1608-D Lincoln Ave., Carisbad, New Mexico.

GENERAL GUNSMITHING-Repairing, rebluing, conversion work, parts made, Inquiries invited, Bald Rock Gun Shop, Berry Creek, Callf.

CUSTOM GI'NSMITHING—Repairing, Rebluing, Stocks, Sights and accessories, Conversion work, Parts made. In-quiries invited. Dean's Gun Shop, Route 7, Trenton, Mo.

CHOKES REBORED - Polychokes - Cutts Installed. Russell's Gun Shop, Marianna, Florida.

HORSE TRAINING

"HOW TO Train Horses"—A book everyone who likes horses or penies should have. Free. No obligation. Simply address Beery School of Horsemanship, Dept. 1888, Pleasant Hill, Ohio.

INDIAN RELICS

3 INDIAN WAR arrowheads. Flint Scalping Knife. Flint Thunderbird \$4.00, Catalog 10c, Satisfaction Guaranteed. Arrowhead. Glenwood, Arkansas.

LEATHER CRAFT

FREE "DO-It-Yourself" Leathercraft Catalog. I Leather Company, Box 791-D36, Forth Worth, Texas.

TAXIDERMIST

SALE-BEAR Rugs (Polar, Grizzly, Black), Tiger, Zebra, Boheat, Leopard, Pheasants, Wolverine, Lynx, Moose, Elk, African horns, Hofmann's Taxidermy, 1025 Gates, Brooklyn 21, N.Y.

MISCELLANEOUS

"GUN BORE Lite" . . with curved Lucite Head . \$1.00 postpaid. Dealers:!! 25 order . . . 68c each (\$17.00) postpaid. Batteries included. Westchester Trading, G-2478 Arthur Avenue, Bronx 58, New York.

MANILA CIGARS! Enjoy special hand made Far East Cigars. 100 "Economy Presidentes" \$1.00. 100 "Mabuhay Presidentes" \$5.00. Postpaid, satisfaction guaranteed. Will mail C.O.D. Henry Hironaga. Importer-Exporter, 1279-G S. King Street. Honolulu 14, Hawaii.

"GUN BORE Lite" with curved Lucite Head . . still only \$1.00 postpaid. Dealers: lots of 25 . . 68c each (\$17.00) postpaid. All complete with batteries. Westchester Trading, G-2478 Arthur Avenue, Bronx 58, New York.

THUMB CUFFS, \$9.95. Leg Irons, \$12.95. Han \$7.95. Leather restraints. Collector's specialties. C 25c. Thomas Ferrick, Box 12G, Newburyport, Mass.

"WINEMAKING," "BEER, Ale Brewing," Methods, recipes. Illustrated, \$2.20, Eaton Bookstore, Box 1242-N. Santa Rosa, California.

RUANA HUNTING and Bowie knives Send stamp for illustrated price lists. Ruana Knife Works, Box 574, Bouner, Montana.

"HOMEBREWED WINES, Beers", Highest contents. Complete instructions, formulas—\$1.00. Dean's, Box 40-GN, Elberton, Georgia,

ELECTRO-SCRIBE! Engraves all Metals, \$2.00. Beyer Mfs. 10511-Q Springfield, Chicago 43.

CROSSBOWS! HUNTING Bows! Factory-Direct-Prices! Jay Co., Box 1355, Wichita, Kansas.

NAZI ITEMS bought & sold, orig. only, I piece or collection; "lists 25c"; Lenkel, 812 Anderson, Palisade, N. J. SELF-DEFENSE-100 Trick knockouts for self-defense \$1-1c each, Priest, Box 251, Evanston, Illinois.

EVERY GUN BOOK IN PRINT BOOKS EVERY GUN BOOK IN PRINT
"The Baker's Dozen Plan"
Send 50c for year 'round mailing
including out-of-print fistings.
Ray Riling • 5844-A Gorsten • Philadelphia 19, Pa "The Baker's Dozen Plan" Send 50c for year 'round mailings

HUNT ELK AND MULE DEER Our season opens September 4-November 15. Pack into high country for the hunt of a life-time. Some dates still open.

SCHWARTZ CUSTOM CUNS Gene Wade and Wayne Schwartz, Guides Cooke City Montana

THE ORIGINAL PLASTIC STOCK INLAYS



are my business and I make the finest. Brilliant colors, beautiful designs, hand cut

DEPT 2, BOXFORD, MASS. C. D. CAHOON

PRIMER only Ppd. Pa. Res. Add 40% Sales Tax DEALERS & JOBBERS INQUIRIES INVITED

POCKET CLEANER

Scrubs pockets quickly, clean & bright. For use in any motor or hand-driven chuck. Or can be manually operated. Fine steel wire brush, with metal sleeve. Only \$1.00 Ppd. Specify whether for large or small primers.

KUHARSKY BROS.

2425 W. 12th St., Eric, Penna.

SCOPE YOUR MI GARAND OR CARBINE



Our moint allows scope centered over bore with Weaver Q.D. rings. Non-ejecting clip for Garand persists of Garand Schools as issued with iron sights. Non-ejecting clip (specify 5 or 8 shot) as issued with iron sights. Non-ejecting clip (specify 5 or 8 shot) \$2.00. Mount for Garand \$15.95. Mount for Garand \$15.95. Mount for Garand Sights of Garand Sights of Garand Mount Assembly includ, rings \$25.85. Care for Mount Assembly includ, rings \$25.85. Care installation). Calif. The care is compared to the compared to the care in the care is care in the care in the care is care in the care is care in the care is care in the care in the care is care in the care in the care in the care is care in the care in the care in the care in the care is care in the care i

THE LEWIS LEAD REMOVER SATISFACTION GUARANTEED

'3,95

POSTPAID Revolver Cleaning Kit. Removes Leading from Forcing Cone, Cylinder, and Barrel. Available in 38-44-45 cal. Kit for two callbers \$7.10. Patches (Pkg. 10) \$.60. Dealer Inquiries Invited. Check or Money Order—No COD's

GUN SPECIALTIES College Park, Georgia

PRECISION Bench Rests!

Sturdy mechanite casting wrinkle baked enamel, adjusting screws and lock nuts steel and chrome plated, unconditional-ly guaranteed. \$15.00 Post Paid.

PACIFIC MFG. CO.

113 Santa Clara St., Arcadia, Galif, DEALER'S PRICES: \$11.00 Postpaid ***********

U. S. SNIPER SCOPES



SHOOTERS—COLLECTORS here's a top quality orig.
G.I. SNIPER SCOPE for spig. or military rife. 2½% coated opites, 5½° eye relief post & cross-hairs, hydrogen filled, %2° tube.

SANTA ANA CUNROOM

SANTA ANA CUNROOM

FREE Sample To MOTOR MICA

the dry, white, powdered lubricant Ideal by make the resizing, reduces split necks, saves dies, harmless to powder charge, Works like graphite, but will not smudge reloads or hands. Slick for gun actions, immune to cold.

5 oz. can, \$1.50. PP if cash with order. Or ask your dealer. Write for FREE sample.

SCIENTIFIC LUBRICANTS CO., DEPT. G.G., 3469 N. Clark St.

Miniature Firearms Perfect working models of Historic Guns-Colts, Remingtons, Kentucky rifles, flasks, etc.-send for photo-folder \$1. 444a Cortez El Paso, Tex.



THE GUNFIGHTER ... newest FITZ GRIP!

Mokes your snubnose a handful of deadly occuracy! for S&W Chief's, etc. (Rd, Butt) . . . and THE VIPER! For Cab Cobro & Det Spec. AT YOUR DEALER Stomp for brochure.

BOX 49702, LOS ANGELES 49, CALIF.

2478 Arthur Ave., Bronx 58, N. Y. U. S. Martial long arms are featured. Among special interest items are tulip-head reproduction musket ramrods, plus other Civil War parts.

Epps—Canada Catalog Out

The big new 114 page catalog of Elwood Epps, Clinton, Ontario, (some miles from Port Huron east of Lake Huron) is just out. Epps, who is a riflemaker of great skill and sense of design, stocks just about everything worthwhile in the line of guns and gun goods. Being in Canada, his prices on U. S. articles of course are higher, about 10% to 15% higher because of Canadian tariff. So his catalog might be assumed to be of value only to north-of-the border residents. Generally, this is true, but there are many possible reasons why the "state-sider" would buy from this list. For example, the visitor planning a hunt in Canada could fly up from the U. S. with the essentials, having ordered Epps to send him sleeping bag, ammo, even the necessary rifle, to his hunting camp ahead of time. Definitely, if you consider the extra cost of excess baggage, or need a rifle anyway, in connection with a Canadian hunt where carrying a lot of gear might be

*TOP GUN BARGAI

R. SHORT LEE ENFIELD 1

Marksman Favourite, all quantity manuface e popular .22 callber training and competi-shdt can be converted Complete your collec-erarest of all Enfolds. cell.) Only \$19.39, 22 cells.

ORIGINAL RUSSIAN BERDAN II RIFLES

.42 Caliber, 331/2" bbl, Finest pre-cision long range rifle of its day. Captured from the Italians and Ger-mans in Russia in World War II. Each an excellent shooter and col-tor \$30.00, 5 for \$45.000 ca.; 3

AMMO SPECIAL: 30-06 Bail M2 U. S. Mfg. factory packed. \$6.00 per 100; 49.50 per 1,000; (6000) \$42.50 per 1,000; (12,000) \$40.00 per 1,000.

IMPORTED MUZZLE LOADERS

rancussion CAP GUNS. Sculputed, highly engraved wainst stock, 30" bbl., initial patchbox. ram rod, Each an excellent shooter, ram rod, Each an excellent shooter, 529.50, 2 for \$50,00. Also, 36", 500,00. Finitiock quasi-abit, from 35" to 50". Only \$39.50, 2 for \$70.00.

303 S.M.L.E. No. 1 Mark III Stripped Barrelled Receivers complete with "as issued" Sights, 5 groove rifling, "new" \$9.95, 2 for \$16.00. Also new barrels only \$6.95, 2 for \$12.00. Add \$1.00 postage.

ALL OTHER MODELS, REVOLVERS, PISTOLS, MUZZLE LOADERS—WRITE!

22 KINGMAN, SAINT ALBANS, VERMONT

INTERNATIONAL FIREARMS CO.

CANADIAN BUYERS:

Write or see the 1011 Blou

difficult or inconvenient, you should check with Epps to see what might be done to help you. Epps also does convert the SMLE to a sporter, making a highly pleasing onepiece stock job for over \$100 in nice wood. It's all in the big new Pre-There isn't any "cover price" but he It's all in the big new Epps 1960 catalog. might appreciate having costs covered.

ELMER KEITH SAYS

(Continued from page 8)

the Peters loads for Dr. Nippe and me, with the following results. November '58 Loading, average velocity from 8%" S & W harrel was 1608 feet; average pressure was 41,010 PSI. Velocity variation was only 90 feet, but pressure variation was 11,600 pounds. One load went the prescribed 1650 feet with a pressure of 46,200 pounds. This shows far too much pressure variation for best accuracy. and the fired cases extracted very hard. Iver Henrikson and I tested some of these loads and found about two out of every ten would keyhole and leave the normal group.

I also tested Winchester Western .44 Magnum, the first that landed in this country, and found them far too hot for my fine S & W guns. One case swelled up so tight I had to beat the extractor rod to get the case out of the chamber. I wrote them at the time that the load was too heavy or cases too soft. Accuracy also was not up to the standard set by the first fine Remington loads that went only around 1400 feet.

My own hand load, with 250 grain Keith bullet sized .429", with 22 grains 2400, went (at White's Lab) around 1400 feet average, with under 34,000 lbs. pressure. It was extremely accurate, and six cases ejected simultaneously easily. Increasing my load to 23 grains 2400 raised average velocity to 1480 feet for ten shots, and average pressures to 40,140 feet, with extreme velocity variations of only 24 feet and pressure variations of only 2100 pounds. A further hand load by Dr. Nippe, my bullet with 23.2 grains 2400, raised velocities to 1498 feet and pressures to an average of 41,660 pounds. This load developed a striking energy of 1207 foot pounds. Now you see why I have stuck to my original recommendations on the 44 Magnum reload of Keith 250 grain bullet and 22 grains 2400.

Recently. Western sent me a couple boxes of their latest loading of the .44 Magnum for test. These also proved to have far too much pressure for a sixgun, to my way of thinking. I tried five of them in each of my

four S & W Magnums and also in my two Ruger .44 Magnums. Extraction was very hard even in the Rugers, and it was nearly impossible to eject five cases at a time in the four fine S & W guns. To me, this proves conclusively that the factories are now loading over the pressure peak, as evidenced by the pressure variations of their loads, and far too heavy for constant use in any fine sixgun.

I have stated all my life that a sixgun of double action, swing-cylinder design should eject its six fired cases easily and freely with one tap on the extractor rod, and if they do not do so, then the load is too heavy. The rule applies even more so to the single actions, which punch out a single empty at a time. For the above reasons, I have for some time recommended reloads rather than factory ammunition in the .44 Magnum.

While at the N.R.A. Convention, I got some of the top men of both Remington and Winchester together, and discussed this matter with them. I told them I had had many gripes of S & W guns with sprung cranes, and guns that had shaken loose, and kicks also on Rugers damaged from these loads.

Our tests here indicate two strays from every ten-shot group, and keyholing bullets for these strays. You can only send soft lead so fast before it starts to strip the rifling, even with a part jacket, and my recommendation to both loading companies was to cut the load down to between 1400 and 1500 feet and the pressures down to 35,000 pounds if possible, or at least never over 40,000 pounds for sixgun use. Both Smith & Wesson and Ruger revolvers are built to stand unlimited amount of shooting with good .44 Magnum loads, but they were never built to take the pounding of present factory loads, and I seriously doubt if they can be made in a manageable weight to do so, as long as factory pressures show such a wide range. Let us hope the great companies stop their velocity race and give us again the .44 Magnum ammunition that made this the



New huge illustrated 40page Catalog every month! Thousands of antique Colt revolvers, Kentucky rifles, pistols, muskets, swords, daggers from all over the world: uniforms, helmets. gun books, etc. - all different each issue. Widest selection available anywhere! Only \$1.00 per year subscription for next 12 Catalogs. Send new to:

NORM FLAYDERMAN

44 West Patnam Ave., Dept. G-8 GREENWICH, CONN. As Featured in LIFE and TRUE



FREE CATALOGI

Just out, Corcoran's allnew 1960 Fall-Winter Catalog of hunting, camping and fishing equipment. Send for your free copy. It's full of hundreds of practical, field-tested items including guns, boots, clothing, fishing tackle, tents and many other specialties.

---CORCORAN INC.

!	BOX G-80, STOUGHTON, MASS.	
Send	I me your new Fall-Winter, 1960 Catalog of	
Hun	I me your new Fall-Winter, 1960 Catalog of ting, Camping and Fishing Specialties.	
		
Addr	655	
City.	State	

Harvey Prot-X-Bore Zinc Base & Jugular Jacketed Swaged Hand Cun Bullets

Swaged Hand Cun Bullets
Finatest, most securate bullets. All popular calibers,
NEW! SeW K-22 Masterpiece or new M.R.F. conversions to Harvey .224 KAY-CHUK centerline.
S.F.M. (Shoot From the Mould) moulds for Prot-X-Bere
Zine base bullets. JUGULAR lacketed Casting Kits.
Swaging Dies. for handgun bullets only.
Sound 25c in coin or stamps for complete information,
CUSTOM COND.

LAKEVILLE ARMS INC.
Licensed Assoc. Mfgs. Jugular & Prot-X-Bore bullets.
Frank A. Hemsted, Box 171, Culver City, Calif.
C.B.M. Inc., Rtc. 2, Castle Rock, Colorado.

You'll want **GUNS QUARTERLY** in your library. Order Form page 54

AUTHENTIC BUSCADERO OUTFIT \$1585

Superior Value. Finest Saddle Leather, Guaranteed to fit. Send For Free Folder.

EL PASO SADDLERY

Box 7274-C, El Paso, Texas



PUBLIC SPORTS SHOPS, 11 S. 16th St., Phila. 2, Pa.



"WORLD FAMOUS CUN"
COLT FRONTIER REPLICA for
collectors, quick draw practice,
Western TV Jans, Looks and
feels like real gun.
lish \$4.00. Dellar polished

\$6.00. Add-50c shipping.
VALLEY GUN SHOP
Tulunga, Calif.

greatest of all handgun calibers. Winchester brought out the famous .357

S & W Magnum, and their original loads were very powerful and hot but O.K. in all guns made for them. Since then, .357 Magnum velocities have gone up and down in factory loads. Back in 1953, Western loaded a lot that even had the test men at Smith & Wesson skeptical. I fired some of them in their test range myself, and turned thumbs down on them. They showed only a few sparks out of the gun muzzle on the darkened S & W range, while Remington and Peters showed a big bloom of flame at the muzzle. Recoil and report were very heavy; in fact, the report seemed close to the detonation stage to an old ballistician. These loads did not prove accurate, and many kicks were received at the time of damaged guns. Later, Winchester-Western went to the opposite extreme, and police autopsy reports showed that lot of .357 Magnum Super X lacked its old punch. Let us hope the ballisticians in our great companies give us reliable, uniform power and velocity ammunition in both .357 and .44 Magnum calibers. Peace officers and hunters alike want a load in both calibers that will give maximum accuracy along with adequate but not excessive velocities and pressures, and a load that will extract freely and easily.

Bushnell Bunner 4X Scope

Bushnell has a high quality, low cost rifle scope in their new Banner Model 4X, selling at \$37.50. It is a full-size scope, 111/4 inches overall, weight 9% ounces. Tube diameter is one inch, with an objective diameter of 1.44 and ocular diameter of 1.38". Exit pupil is 7 mm, and field of view is 30 feet at 100 yards. The scope has positive internal wind-

LEUPOLD & STEVENS INSTRUMENTS, INC...55

age and elevation adjustments and sells complete with mounts for most popular rifles for just \$49.95.

The new Bushnell Banner has hard-coated lenses for best color rendition, and should prove a very popular number. It is neoprene-scaled to prevent fogging. Mounts may be had with either lock-ring or split-ring scope clamps.

FIREARMS ACT REVISED

The President has signed into law the amendments to the National Firearms Act so long sought by gun fans. Sparked by such stalwart champions of the shooter and collector as Hon. Cecil King and Hon. Bob Sikes, the bill formerly known as H.R. 4029 is now Public Law 86-478.

catch-all category of "any other weapon" ous \$200. All rifle barrel lengths are now all 26" long, is legal, if the barrel is 16" formerly.-W.B.E.

Page

S

Tormerry.—W.b.E.
Advertiser
SCOPES, SIGHTS, MOUNT
LYMAN GUN SIGHT CORP ORIGINAL SIGHT EXCHANGE CO SANTA ANA GUNROOM W. R. WEAVER COMPANY
STOCKS and GRIPS
C. D. CAHOON. CONTOUR GRIP CO. REINHART FAJEN FITZ GRIPS HERRETTS STOCK SPORTS, INC.
TOOLS and ACCESSORIES
FRANCIS BANNERMAN SONS, INC G. R. DOUGLAS. FRANK SALES G. G. GREENE MFG. CO LACHMILLER ENGINEERING CO
FRANK MITTERMEIER NEW METHOD MFG. CO PENDLETON GUN SHOP
THE POLY-CHOKE CO., INC

NORM THOMPSON63

VARMINT HUNTERS ASSOCIATION36

Generally, it provides for a reduction in taxes on certain classes of firearms. The is now taxed at but \$5 instead of the usuria minimum of 16", including the centerfires. And a cut-down rifle, whether altered or put together or otherwise, if in long or longer. There is less scope for serious confusion in this new Law than

LYMAN GUN SIGHT CORP39, 11
ORIGINAL SIGHT EXCHANGE CO47
SANTA ANA GUNROOM64
W. R. WEAVER COMPANY12
STOCKS and GRIPS
C. D. CAHOON62
CONTOUR GRIP CO42
REINHART FAJEN
FITZ GRIPS
HERRETTS STOCK59
SPORTS, INC60
TOOLS and ACCESSORIES
FRANCIS BANNERMAN SONS, INC44
G. R. DOUGLAS40
FRANK SALES
G. G. GREENE MFG. CO46
LACHMILLER ENGINEERING CO36
FRANK MITTERMEIER
PENDLETON GUN SHOP39
THE POLY-CHOKE CO., INC32
R.C.B.S62
RADIATOR SPECIALTY CO
SCIENTIFIC LUBRICANTS CO64
PATTERSON SMITH
STITH MOUNTS
MISCELLANEOUS
EDDIE BAUER11, 59
CORCORAN, INC
ESMAN'S SPORTING GOODS51
JACK FIRST56
CORCORAN, INC65
LATIN VILLAGE
NATIONAL RIFLE ASSOC
OLYMPIC GAMES56
PACIFIC MFG. COMPANY
PENNSYLVANIA GUNSMITH SCHOOL 47
PUBLIC SPORT SHOPS47, 63, 66
RAY RILING64
SHAW'S CHECKERING SERVICE
SHOTGUN NEWS
SLOANS SPORTING GOODS, INC
SPORT HART INC

INDEX OF ADVERTISERS

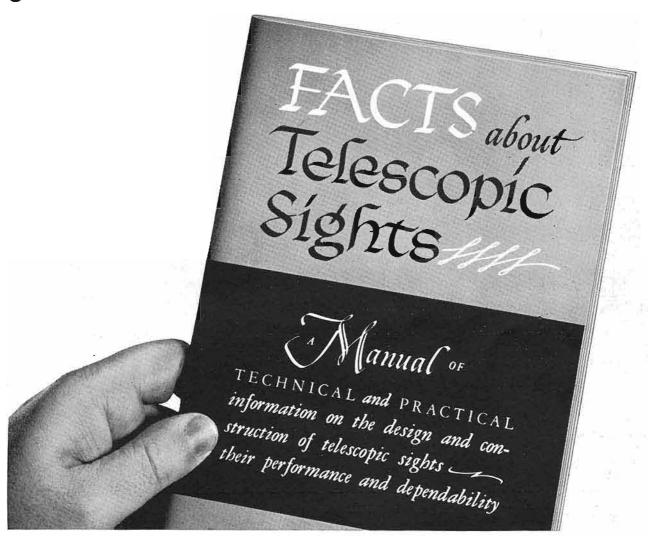
Advertiser Page
GUNS and AMMUNITION
ROBERT ABELS
BROWNING ARMS COMPANY
CANADIAN SAUER LIMITED
COLT'S PATENT FIRE ARMS MFG. CO 7
CROSMAN ARMS COMPANY
DIRCKS-BEATH, INC48
EARLY & MODERN FIREARMS CO., INC 53
FAUST MILITARY ORDNANCE47
FEDERAL CARTRIDGE CORP48
FLAIG'S LODGE46
NORM FLAYDERMAN ANTIQUE ARMS65
GOERG ENTERPRISES
HEINRICH F. GRIEDER57
GIL HEBARD GUNS42
HIGH STANDARD MFG. COCover IV
HORNADY MFG. CO
HUNTERS LODGE
HY HUNTER FIREARMS MFG. CO60, 52
INTERNATIONAL FIREARMS CO65
THE JEFFERSON CORPORATION55
KUHARSKY BROTHERS, INC64
LEM GUN SPECIALTIES
MUSEUM OF HISTORICAL ARMS
NORMA PRECISION
NORTHRIDGE BULLET CO
NUMRICH ARMS COMPANY
PACHMAYR GUN WORKS40,
POTOMAC ARMS38
ROYAL ARMS, INC
SCHWARTZ CUSTOM GUNS
SEAPORT TRADERS, INC
SERVICE ARMAMENT CORP
SHERIDAN PRODUCTS, INC32
SIERRA BULLETS 6

organia Recent Filter Cody International Teach	
FRED THACKER64	
TRADEWINDS, INC 6	
VALLEY GUN SHOP	
WEAPONS, INC	
WEATHERBY, INC	
WESTERN GUN & SUPPLY CO	
WINCHESTER WESTERN DIV.	
OLIN MATHIESON 9	
HANDLOADING EQUIPMENT	
AURAND'S63	
BELDING & MULL46	
C-H DIE COMPANY 8	
CARBIDE DIE & MFG. CO55	
LAKEVILLE ARMS, INC	
MAYVILLE ENGINEERING COMPANY42	
REDDING-HUNTER, INC50	
ULTRA PRODUCTS40	
HOLSTERS, CASES, CABINETS	
EDWARD H. BOHLIN43	
COLADONATO BROTHERS47	
EL PASO SADDLERY65	
DON HUME LEATHERGOODS	
GEO. LAWRENCE CO62	
DALE MYRES	
S. D. MYRES SADDLE COMPANY37	
WHITCO50	
SCOPES, SIGHTS, MOUNTS	
BAIN-DAVIS SPORTING GOODS	
BAUSCH & LOMB OPTICAL CO Cover III. 51	
CRITERION COMPANY	

Advertiser

66

If you own a rifle, you need this book...



Here's the definitive 98-page manual on the design, construction, performance and dependability of the modern telescopic sight... and you can add it to your library for just 25¢! Prepared by Bausch & Lomb optical specialists, the designers of the superb Balvar 8 scope, "Facts About Telescopic

Sights" is filled with charts, diagrams and illustrations that will make you an expert on scope shooting. Selecting, sighting in, telescopic trajectory charts... everything to know about telescopic sights is included in this famous book. Send 25¢ to Bausch & Lomb Incorporated, Rochester 2, N. Y.



The incomparable Balvar 8 scope... continuously variable from 2½ to 8x... constant focus... no apparent reticle change... 6 fine scopes in 1 for all game.



Makers of: Balomatic Projectors • CinemaScope Lenses Ray-Ban Sun Glasses • Binoculars • Microscopes Quality Eyewear • Rifle Sights • Scientific Instruments



NEW Hi-Standard Shoulderguns retain same precision which for years has made Hi-Standard Handguns the most wanted revolvers - sport and target pistols in the world. Com-plete Hi-Standard firearm line on display at leading Sporting Goods Dealers across the nation - See your dealer. All Hi-Standard Shoulderguns backed by same high-performance Warranty as Handguns. Send for Catalog, or request from dealer.

ARD actions — SUPERMATIC gas-operated 12 Gauge, and FLITE-KING Pump-Action 12 Gauge. Five handsomely designed models in each line.

• SUPERMATIC Autoloader 12 Gauge fires all 12 Gauge 23/4" shells interchangeably or mixed on full Autoload. No adjustments of any kind, exclusive "Autojustor" automatically accommodates. Fires Magnum 23/4" and Rifled Slugs, too. Capacity: 5 shells, including one in chamber. Removable plug cuts capacity to 3 shells . . . FROM \$114.50 up.

• FLITE-KING Pump-Action 12 Gauge Shotguns have 31/2" stroke action, so smooth and polished than beauty.

Fires all .22 LR, Longs, and Hi-Speed Shorts interchangeably, even mixed on full autoload. No adjustments of any kind. Exclusive HI-STANDARD function automatically accommodates. Capacity: 15 LR, 17 Longs or 21 Hi-Speed Short .22 cartridges.

Loading port opens at side instead of at bottom as with all competing rifles. Exclusive . . . permits loading of several cartridges at a time. Two graceful models . . . \$42.50 up.



"Sport King" .22 cal LR, Long and Short, 10 shot AUTOLOADER \$49.95

"Double-Nine" Western style Revolver, .22 cal LR, Long and Short, 9 shot, Swing-Out Cylinder. All-time favorite......\$44.95

THE HIGH STANDARD MANUFACTURING CORPORATION HAMDEN 14, CONNECTICUT