

JULY 1959 50c

FINEST IN THE FIREARMS FIELD

Guns

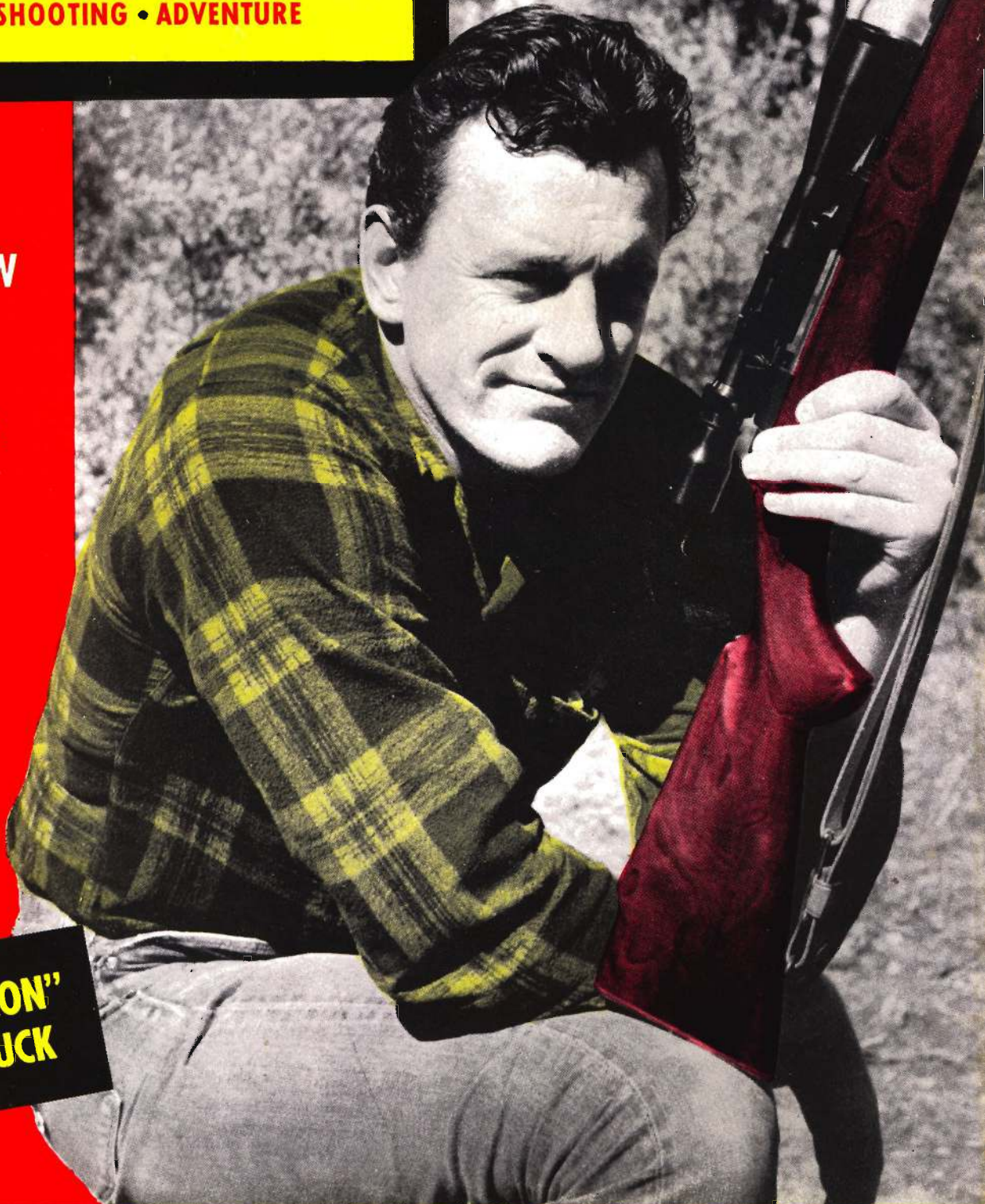
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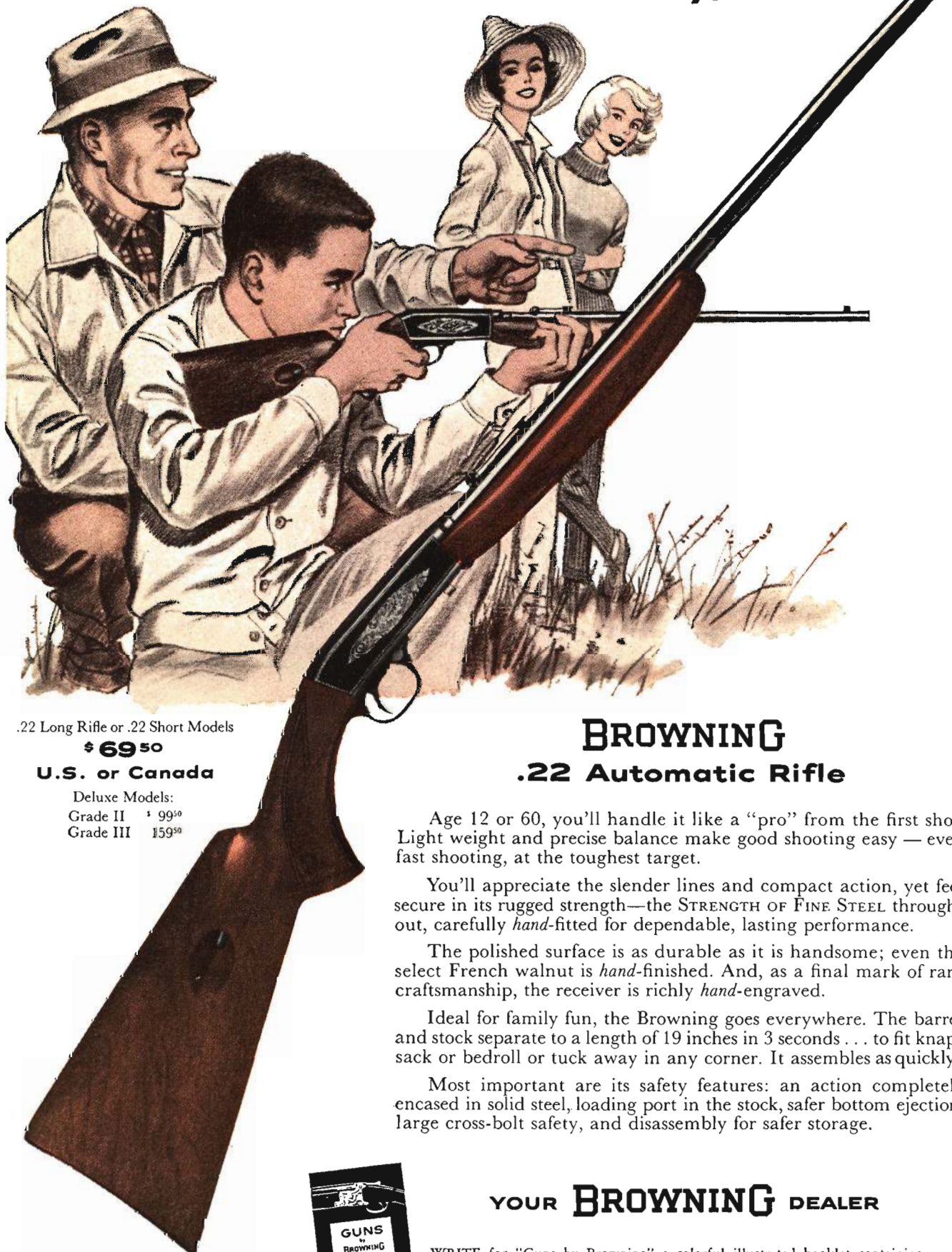
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By **JOE BODRIE**
Star of Pontiac Road Show

MY FAVORITE gun is the Colt Lightning Model Rifle, .44-40 caliber, which I used in my exhibitions for the famous Colt's Patent Fire Arms Mfg. Co. Balance, smoothness of action, rate of fire, and the ability to interchange shells with my Colt Single Action revolvers, are my main reasons for selecting this gun as my favorite.

Although no company today makes a rifle which has the interchangeability of cartridges with their revolvers, it is my firm conviction that with all the reloading which is being done in this country, such a rifle would be a top-notch seller. The interest drummed up between Colt and Winchester, traditional pistol-and-rifle "partners," for the .22 RF Winchester Magnum, may spark a whole new era of combination gun and calibers.

MY FAVORITE GUN

By **JIM JANEK**
Owner, Cafe Bohemia, Chicago

EVERY DAY I handle more game than the average hunter sees in a lifetime, checking it into the big meat lockers here at our restaurant. Friends accuse me of getting more meat "with my checkbook," than with a gun. We buy regularly from game wardens who thin herds or catch game law violators. The money goes into the state conservation funds, and sometimes I have bought as many as 25 deer at a time from one out-of-season poacher's arrest. But every fall I get the itch to go hunting and then, of several rifles and shotguns which I have time to use only occasionally, my favorite comes into use. It is the Remington Model 8 autoloader I'm holding. It belonged to my step-father, Joe Basek, who years ago on a hunting trip to Canada brought back some venison and put it on the menu. He started the wild game specialty that has been a feature of Cafe Bohemia ever since. The old Remington gives me a jolt—that long recoil action thumps back—but it has bagged for real its share of game during the years and I'll most likely take it along the next season.



TRIGGER TALK

BIGGEST STORY in this issue is, without a doubt, our lead article, starting on page 14. For surely a story is "big" if its subject is big; and Jim Arness, "Marshal Matt Dillon," of "Gunsmoke," has been called "the biggest thing in Levis." But beyond the jokes, is Walt Wiggins warmly human story of hardworking actors "taking five" together—and what makes it a story for GUNS, is that they chose a hunting trip. The account gives a new aspect to much-publicized, little known Jim Arness whose "Gunsmoke" program is tops on TV.

Score a double for Kvale again this issue, with "Bullets By The Billions" and "Picture-Punching Practice For G.I. Hunters." Kvale, who is chief test engineer at the Norma ammunition factory in Sweden, must be excused for writing at such length on Norma, tooting his own horn, so to speak. But we think his account of this relatively new ammo firm will be of interest.

The "G.I. Hunters" story should inspire some homeland Rod & Gun Clubs to rig up some more complex but more fun-provoking target ranges. Use of custom-printed animal targets, including running boar and stags, all in natural colors, adds interest and difficulty plus off-season competition which may stimulate more members to take an active part in their club's programs.

Though we pioneered the contests and challenges in the quick draw field, we do not present Bill Toney's story about fellow border patrolman Bill Jordan with any fanfare or challenge. Jordan has survived many gun fights, but the emphasis of this story is on a visit with one of the country's most unusual citizens. Jordan has received much ballyhoo recently as advisor to CBS' new series "The Border Patrolman," but this story by Toney is by one of his friends and long-time associates. And Jordan himself will make his debut in print in GUNS soon, with (naturally) a searching article on quick draw, by a man who has studied it "for real."

Pistol fans having dusted off their center-fires and .45s will now be at the stage of wondering just what they can do to edge up from mediocre to excellent. No matter what your rating, you can improve. This is the message of top-flight pistolman Conover in "How To Be A Pistol Champion."

New notes on the Dardick Gun, the radical open-chamber firearm which has been spoken of in the trade for some few years, appear on page 39. Though the evaluation of the Dardick gun is not lengthy, it is current, with Dardick putting guns into the market this month. So far GUNS editors have only watched firing tests in the Dardick factory: a shooting report will appear in GUNS in an early issue, plus more details of the interesting legal implications of the Treasury's OK on the Dardick pistol-rifle combination gun.

Tech Editor Bill Edwards takes on the role of roving reporter for a few weeks in Europe and possibly behind the Iron Curtain, and we'll be bringing you up-to-the-minute articles on what's happening abroad.



THE COVER

Not all the shooting in Hollywood is of the "go fer yer gun" variety. Jim Arness of "Gunsmoke" is also a good, workmanlike big game hunter and a gun-enthusiast of (pardon the pun) no mean stature. Gun-fun enthusiasts also are the other members of the "Gunsmoke" cast.

Guns

FINEST IN THE FIREARMS FIELD

JULY, 1959

VOL. V, NO. 7-55

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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, \$5.00. Single copy 30c. 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. Material 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.

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GUNS in the NEWS

[Special]—

♦ Dallas, Tex. John Nelson, age 100, routed four would-be bandits from his home and shot one of them with an 86-year-old Winchester. Nelson told police he was awakened by the invaders, grabbed his 1873 Winchester and blazed away. The bandits fled and Nelson went next door and called the police. Later, four men were arrested when one was taken to a hospital with a bullet wound in his shoulder.

★ ★ ★

♦ Birmingham, Ala. A veterinarian, Dr. Donald G. Lawson, bought a secondhand shotgun. A stock screw was missing and Lawson wrote the manufacturer, Ithaca, for a replacement. From Ithaca president Sheldon M. Smith came this reply: "We have a pleasant surprise for you. Your No. 264501 ... was built by us in 1916; was made for and shipped to Annie Oakley." Ithaca sold the gun in 1916 for around \$100. As a collector's item, it is said to be worth something over \$2,000 today.

★ ★ ★

♦ Tacoma, Wash. Superior Court Judge Bartlett Rummel won GUNS "Quote Of The Month" award with the statement, to a meeting of the National Rifle Association in Washington, D.C., that "with the increase of crime, it might well be said that a gun is still man's best friend."

★ ★ ★

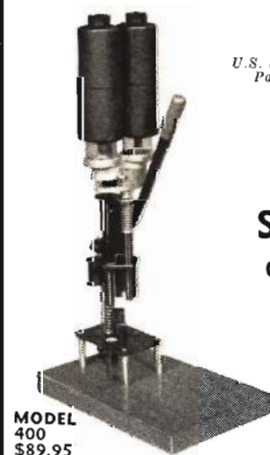
♦ Rifle marksmanship is traditional in the Marine Corps, should not suffer under the Corps' present commander. USMC Commandant General Pate, in naming a general officer (Brig. Gen. Chester R. Allen) to command the new Marine Marksmanship Training Division, stated: "The weapon of the Marine is still the rifle. Our success or failure on the battlefields depends on the Marine's individual confidence in and ability with this weapon."

★ ★ ★

♦ Pittsburgh, Pa. While Marie Wray, a clerk, was showing a customer a surplus Army rifle, the gun pointed in the direction of a man who had entered the store. He promptly threw up his arms and said, "I surrender." It turned out he was wanted by police for passing bad checks.

★ ★ ★

♦ Richmond, Calif. B-B gun repairing is the work of Mrs. Hazel Bastiaen here. The mother of seven children, she started her business five years ago when her older sons tearfully reported that their Christmas guns were broken. Word of her ability to make repairs spread, and now guns from all over the world come to her shop. Her parts inventory alone comes to \$16,000.



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Now that the big game hunting season is past in most parts of the country and the varmint season is in full swing, most dealers may be starting to look for handguns to provide a sizable portion of their gun sales profits.

Whether the need be for a personal defense weapon for the home or place of business, for sporting use in hunting or for every day "just plain plinking", we are happy to be able to fill the need.

Among our many new items we offer the "Starfire" in caliber .380. Along with its companion piece, the "Starlet" in caliber .25, this pistol is made with a frame of a special lightweight alloy, which we call "Starlite". The Starlite pistols are available in a variety of colors and the conventional black to suit the individual taste. In addition we offer the Star Model SI in caliber .32; the Model S Super, caliber .380; the Model A Super, caliber .38 Super; Model P, caliber .45 and the Model B in caliber 9mm Luger.

For the Astra line in this category we offer the "Firecat" caliber .25. While it is among the lowest priced of .25 caliber pistols, it is also the best in quality and performance and is supplied with an extra magazine at no extra cost. A unique addition to the Astra line is the Astra Falcon pistol, available in either caliber .22, .32 or .380 and with extra barrels and conversion units to permit the use of any two or all three of the above calibers in one pistol.

In the .22 rim fire field we have what is probably the widest selection available. Among them we have the tiny Astra Cub in .22 Short, with 6 shot magazine, thumb safety and magazine safety — probably the best deal for the fisherman's tackle box, as well as an ideal gun for low cost plinking; the Star Model F pistols with 4 1/4", 6" or 7" barrels, in a new barrel design providing simple maintenance with positive performance; the Unique Corsair and Corsair Presentation models in caliber .22 L.R. and the Escort in caliber .22 Short, assure dependable accurate service on top of such features as the large man-sized thumb rest grip, lock open slide, magazine safety and simple take-down and maintenance.

All in all, we have what is probably the most comprehensive line of handguns on the market. We are constantly striving to improve our current models, as well as continually developing new ideas in handguns to add to the F.I. line of sure-fire, profit making sporting arms.

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says . . .

New Weatherby Mark V Rifle and Scope

We spent several days inspecting and
testing an entirely new bolt action rifle by
Roy Weatherby, in caliber .300 Weatherby
Magnum. The rifle tested is one of the pilot
models and, while it shows some slight
bugs still to be worked out, is on the whole
a damn good rifle.

Roy has achieved one of the most stream-
lined and neatest appearing of all bolt
actions. In some respects it resembles some
other actions, and in others it is a radical
departure from anything on the market.
Externally, it is the most streamlined of all
bolt actions. A smooth shroud completely
covers the cocking piece and gives the rear
end of the action smooth lines, as it comes
up flush with the top of bridge and bolt
handle and completely seals the rear end
of the striker. There is no possibility of any
escaping gas ever coming to the rear to
endanger a shooter's eyes.

The bolt handle is very well shaped and
made for low scope mounting, with check-
ered knob. The bolt shell or body is of large
diameter, the same as the outside diameter
of the locking lugs. This makes for the
smoothest possible bolt race, as there are no
protruding lugs to cramp the bolt in its
travel. There are three sets of lugs and three
to each set, placed on the extreme front
end of the bolt where they belong for
finest accuracy. These nine locking lugs
take up about the first one inch of the bolt.

The extractor is very similar to that of
the Schultz & Larsen extractor, and is wide
enough to get a good bite on the rimless case
head. Three gas ports extend down the side
of the bolt when in closed position, to bleed
off any escaping gas from a pierced primer
or enlarged primer pocket, so that escaping
gas cannot possibly blow down into the
magazine and wreck the rifle or come to
the rear to ruin the shooter's eyes.

The whole cartridge case head is enclosed
in the recessed bolt face, and the ejector

is of the Remington plunger type, inserted
in the bolt face but made larger and stronger
than any I have heretofore seen. Both ex-
tractor and ejector worked perfectly. The
cartridge case is completely enclosed in
solid barrel bolt-face steel, and is supported
its full length.

Both bridge and receiver are of generous
diameter and width, and the left side of
receiver is not cut out for any weakening
thumb slots. The rifle has the smoothest bolt
throw of any bolt action yet tested, and we
believe this to be the strongest bolt action
we have yet seen, with more safety features
to protect the shooter.

Bolt stop is a heavy steel pin in bottom
of bolt race under the bridge, actuated by
the sear spring. The bottom of bolt has a
grooved race cut for this bolt stop pin. It
is about a quarter inch in diameter, and
seems to work perfectly, even when bolt is
withdrawn as hard as one can throw it. I
have always been skeptical of any sear bolt
stops, having seen some which sometimes left
an excited hunter with a bolt in one hand
and the rifle in the other. I can see little
or no possibility of this bolt stop ever shear-
ing off, as it is quite sturdy in size. Toler-
ances must be close as to protrusion to allow
the bolt to work freely.

Trigger pull is perfect, one of the best
I have ever felt on a bolt action rifle; no
creep, no back lash or take-up, crisp as
breaking glass and just about right for
weight on a hunting rifle. At a guess I
should say this one pulls about 3 to 3½
pounds.

The floor plate is hinged, with a trip or
release just in front of trigger guard actuated
in the guard itself. (I would prefer that
this floor plate release be inside the guard
rather than on the front outside of the
trigger guard.) The hinged floor plate and
the magazine spring and follower work
perfectly when one wishes to change ammu-
nition in a hurry. Simply trip the magazine
release and dump its contents into your

(Continued on page 40)



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fancy design has sound engineering, nine bolt lugs, gas-shielding bolt plug.



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CROSSFIRE

"In answer to your letter of April 6th regarding the Sullivan Act, there is no such legislation pending before the City Council and none is being considered."

What's your reply?

William E. Lawson
Los Angeles, Calif.

Our reply is that we are delighted that no Sullivan Law legislation threatens Los Angeles. The item was submitted to us by a reader who, though apparently misinformed, was commendably concerned and commendably alert.—Editors.

We Please Some...

I have meant for sometime to write you my appreciation of your interesting and comprehensive coverage of the fire arms field. I anticipate the arrival of your copy of GUNS Magazine more each month.

The vast knowledge of men like Elmer Keith is of course invaluable to anyone associated with guns and hunting. Articles from the newer contributors are also always welcome. The article in the March 1959 issue by William Schumaker showed a refreshing and interesting approach to an old field such as crow shooting. Many thanks for your fine magazine.

Alfred A. Akin
Technical Director
D. P. Bushnell & Co., Inc.

... Offend Others

Your once fine magazine sure hit a new low when in the March issue you published an article written by sadists; the crow hunting story. Things have come to a pretty pass when such perverse cruelty has to be resorted to that a wounded bird has to be further tormented as to be used as a decoy. Sportsman!!!

And on the subject of safety, since when has it been good practice to shoot at a bird in the air with a rifle?

I'm sorry to say that great cruelty is practiced on animals in my own State of Maine as we too have a fish and game department that thinks of one thing and one thing only, the almighty dollar.

Please give us the usual gun articles and to heck with the stories such as these.

Everett P. Winslow
Bowdoinham, Maine

Way we read it, the owl enjoyed being a decoy.—Editors.

Likes Other CD Weapons

I have just finished reading the fine article, "The Rifleman in Civil Defense." The author says that the men in such an organization should have a .30-06 or the current 7.62 mm (.308) NATO rifle. But I think that if he tried to organize a unit like that around here he would have a hard time getting people to give up their little deer rifles in favor of a rifle of military caliber.

The author also stated that a shotgun is

New York versus New Mexico

I have just read that letter in "Crossfire" of the February, 1959, GUNS submitted by Alger L. Thompson, Grants, New Mexico.

To Mr. Alger L. Thompson I have this to say: I along with millions of other shooters agree with you 100% on your opinion of the Sullivan Law in New York. Such a law is a disgrace, along with the men who wrote it and the men who are upholding it today. But we in New York State can use our pistols for big game hunting as well as you can in New Mexico, and we can carry our pistols concealed in any town or metropolitan areas except in New York City itself. You said in your letter "We realize that laws are needed prohibiting the carrying of firearms in towns in the interest of maintaining the peace." Mr. Thompson, that statement is just as stupid as our stupid Sullivan Law, and it is an attitude like yours that will put New Mexico next in line for a law like our Sullivan Law. Since you believe law abiding citizens should not carry a gun in towns or cities, then we in New York State are glad, as you are, that you live in New Mexico.

Richard J. La Mark
Rochester, New York

Startled, GUNS editors wrote to a dozen New York police chiefs for clarification. Answers received were unanimous, are most succinctly stated by William A. Winfield, Chief of Police of Mr. La Mark's home town, Rochester. Chief Winfield writes: "Please be advised that all persons must obtain a license to carry concealed weapons in any city, village, or town in this state. Kindly refer to Section 1897 of the Penal Law of the State of New York."

Chief Edwin J. Curtin, of Watertown, N.Y., offers more detailed information: "Permit to possess—required for handguns even in one's home (Penal Law 1897). Permit to carry—required for carrying handguns on one's person or in a car (Penal Law 1896). . . . You cannot legally have possession of a handgun in New York without a permit."

Re handguns for hunting, the Conservation Department, Division of Fish and Game, Albany, N. Y., reports that handguns may be used for hunting in specified counties in the state. No information furnished as to restrictions (if any) on types or calibers.

Nevertheless, we do like a man who boosts for his home town or state—in spite of Penal Laws 1896, 1897, et cetera.—Editors.

No Sullivan Law for Los Angeles

In your May 1959 issue, "Guns in the News," there was an article warning Los Angeles residents about Anti-Gun Legislation in their city. Immediately after reading this I wrote a letter to Councilman Roybal as suggested. Councilman Roybal replied:

not much good as a military weapon. I think that a shotgun would prove just as valuable a weapon as a rifle. I also believe that any kind of a rifle, pistol, or shotgun would raise the devil with the morale of any enemy that tried to invade this country.

Keep up the good work. I think such stories as these should be directed to the President and Congress.

Thomas Mattson
Stone Lake, Wisconsin

Any Gun Is Better Than No Gun

Having read the previous article, "22's For Survival," and the editorial-essay "Where Are Tomorrow's Minutemen?" and now in the latest issue, "The Rifleman in Civil Defense" I just had to write in about the subject.

Over a period of time, have been storing up revolver ammo for my one center-fire hand-gun (can't afford any more), a .45 Colt Single Action Army, and have been practicing shooting a revolver with a .22 S. & W. K-22 with the local NRA affiliated club, of which I'm a member. Have also acquired a .30-30 Winchester M94 for my shoulder gun. Couldn't quite swing the deal for a .30-06, which I'd rather have had, as it would take any fodder used by the army, M1 or M2 ammo.

My question is this: what about those who can't afford a Springfield, Garand, Enfield, or what have you, which uses .30-06 ammo? Also, what about people who live where there is no IMSU unit and the CD authorities don't seem to be even interested in such?

R. M. Needham
Lancaster, Ohio

Amen

In the four years I have been reading your magazine, the article "The Rifleman in Civil Defense" is the best story you have ever printed. I have served three years active duty in the Army, and in Germany, and have read several books on Guerilla Warfare. I know of its value in time of war. It sometimes can prove more effective than all the bombs and infantry in a full scale attack. I would hate to be the enemy in wartime, marching through a forest or town and having someone shoot at me from behind every other tree or house. They may only kill or wound a few of your company, but it's hell on your morale.

I have two hi-powered rifles myself: one of them a 1903 A3 Springfield .30-06. I have 80 rounds for one and 40 rounds for the .30-06, and reloading kits and bullet casting kits for both. I'm not the best shot in the world by far, but I can hold my gun when the time comes. Pray the Lord it won't!!

John Linney
Churchville, N. Y.

Rogers versus Hickok

It ill becomes me to disagree with Mr. Rogers when he writes about "Take Your Time—Fast" in the April issue of GUNS—

but—
My excuse is that I was in the mining camp of Tonopah, Nevada, when Wyatt Earp was there. He never gave me a gun lesson and I do not claim to be a marksman, but—

In my copy of Stuart Lake's "Wyatt Earp—Frontier Marshal," Earp said, speaking of Wild Bill Hickok's exhibition shooting in

the market square of Kansas City, "... he held his gun as almost every man skilled in such matters preferred to hold one when in action, with a half bent elbow that brought the gun slightly in front of his body at about, or slightly above the level of the waist."

With due respect to Mr. Rogers, I'll take Earp's say-so.

Henry C. Morris
Washington, D. C.

Walter shoots from waist level too, when he's in a hurry; uses erect, two-handed stance for long range.—Editors

A Civic Duty

I have been reading GUNS for three years, have been a N.R.A. member for one year, and enjoy firearms more and more every day. I think more and more of your magazine every issue also. Keep up the good work.

I have especially enjoyed the articles on "22's For Survival," "Where Are Tomorrow's Riflemen?" and "The Rifleman in Civil Defense." I hope you have more in the future on this subject. I think that this is the duty of every citizen not presently in uniform.

John Ravell Gibson
Athena, Oregon

Know Your Lawmakers

I have been reading GUNS for some time now, and think it is truly "finest in the firearms field."

A new bill has been proposed in our state senate very similar to New York's Sullivan Law, only more severe. If passed (Heaven forbid) this law would provide for all but the complete extinction of the right to own and possess firearms in our state.

Firearms-ignorant politicians should be made to realize the severe consequences which results from such laws.

Robert K. Kay
Pittsburgh, Pennsylvania

Bound Volumes of GUNS

I enjoy your magazine very much and have found it to be a very valuable source of information.

Have you ever considered making binders to hold a year's output (12 issues) of GUNS?

J. P. McFarland
Denver, Colorado

We are making arrangements now to offer GUNS readers the opportunity of having their magazines bound, at very low cost, into handsome books complete with GUNS insignia and the reader's own name. Announcement of this offer will appear in an early issue.—Editors.

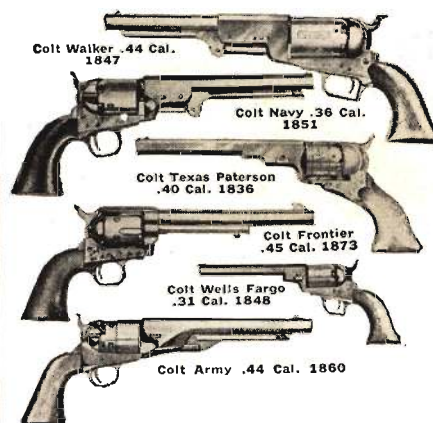
Learns About Guns From GUNS

Being seventeen years of age, I read with interest the article in the April issue of GUNS, entitled "Don't Be a Jerk," by H. E. Helwig and Bill Clede. Therefore, I thought that you would be interested in an editorial praising this article that appeared in the March 25 edition of the Haverhill Journal, a daily newspaper.

I think that GUNS is the best magazine of its type that I have ever read. My parents have never been interested in firearms, but I have always been intrigued by them. I learned a lot about guns from your magazine. Keep up the good work.

John Thurlow
Newburyport, Mass.

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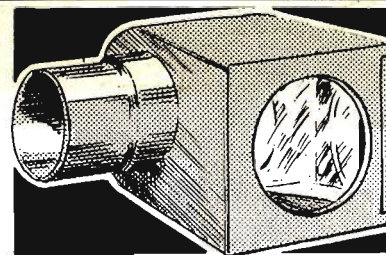
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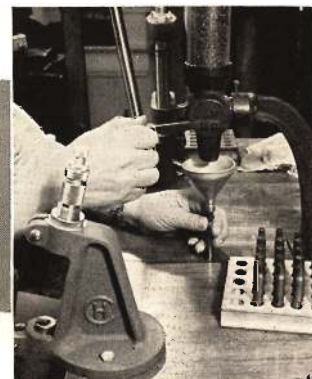
You may own one of the Model 1917 Colt or Smith & Wesson revolvers being sold at very low prices in calibers .45 ACP or British .455. Our gun makers call them a dirty word, but dollar marks may get in their eyes, as G.I. clunkers often do promote new gun sales. This column isn't to tell "What This Country Needs," but to discuss the potentialities of these big bore cannons.

A .45 ACP is a good utility gun with readily available ammo, or handloads mentioned in a former column. Either caliber converts easily to a heavy duty hip or under-cover gat, packing more than twice the stopping power of .38's. As one of many people who consider .38's low powered for serious man-stopping, I'm surprised that light frame belly guns are not made commercially. They are needed.

A British .455 round starts a 265 grain semi-pointed bullet at 600 fps. Muzzle energy is 212 F.P. The slow, slow velocity is a better stopper than it sounds. G.I. ammo, even when way past the legal age of consent, still shoots pretty fair. But the case is a poor reloading number, especially if the brass is old, so it's better to chamber guns to .45 Colt, sometimes called .45 Long Colt.

This simple job can be done in a few minutes with a hand reamer. Lightly file the recoil shield, so the thicker rim cases in a loaded cylinder will revolve freely. Your gun will still shoot .455 ammo. The big .45 Colt slug packs a potent wallop, and guns that hold the accuracy of good loads have made some 2 inch groups at 50 yards. Colt cylinders are a bit longer, but case capacity is more than ample for smokeless loads. Bullets are best seated to near cylinder length.

Big bores are more fun than .38's for plinking. Tin cans jump higher, and it is easier to spot hits. Use mild loads for better shooting and less recoil.



Most of these guns have good guts and bores, having been fired little. The component parts most apt to be worn are inexpensive bolts or hands. Colt cylinders should have little or no play when the trigger is held back, Smith's just a bit. Peen the metal back in place if cylinder latching notches are worn out. Common faults are a battered outside finish, a crummy trigger pull, and chewed-up old stocks.

You can renew the finish with an instant cold blue, now much better than they used to be. It looks nearly as good as a hot blue job. Brownell's T-4 Dicopan or Oxpho-Blue is excellent. So is 44-40. Made for touching-up right over the old finish, they are okay for blueing the entire gun after polishing by hand or wheel.



Smith '17 .45 has FDL rear sight, home-made ramp front, Ace trigger shoe.

For a slicked-up trigger, polish the contact surfaces carefully with a fine stone. Anderol is the best gun grease I've found for the "works." Ace trigger shoes improve the trigger pull and your control on any gun. Pull the hollow head screws tight with the long end of the wrench furnished. They are hardened and won't strip under heavy pressure. A dab of grease and a shoe is all that is needed to make a decent trigger on many guns. A good idea, but often overlooked.

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This is the type of holster used in the "Old West", but made with added safety features and so constructed the gun handle has ample clearance from the side of the belt, minimizing accidental discharge. The Bohlin "snap-away", safety hammer strap is securely fastened into holster and has a spring which holds gun "down", but when released it snaps downward, holding the safety strap where it does not interfere with "drawing". The holster is so shaped and constructed that it has a natural curve creating a permanent free space around the cylinder, allowing it to spin freely in the holster and while drawing. Belt and Holster are made of heavy, best quality, single thickness saddle leather. The belt, as shown in illustration, is shaped to "Hang Low", thus giving the same position as in a holster with a long drop. It fits extremely well and does not interfere with walking or sitting, and above all, has NO EQUAL for SUPER FAST DRAWING.

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Old model stocks allow the gun to twist, and amplify recoil, but are the most compact. You can make your own with attractive wood, or you can buy plastic stocks. For hunting or plinking, you'll want the better-holding and recoil-absorbing target handles. Many firms supply good ones. S & W make a variety of plain and fancy wood target types for the "N" frames, as well as their Magna service type. Python stocks fit the Colt, by drilling new holes for the stock pin.

You'll want an easily installed target sight for any use except close range defense work, on either full length or amputated tubes. The adjustable Metro-Ramp with a white, red, or black post fits over the front sight. The F.D.L. rear sight, adjustable for windage and elevation, attaches on a Smith without drilling. They attach on a Colt by drilling and tapping one hole. Colt guns weigh about 40 ounces, a Smith 4 ounces less. Colt barrels can be cut to any length. The lug on a Smith must be, minimum, 3".

A 3½" tube on a big bore looks good and shoots good. As they are not a minimum-weight hide-out, I like this length for utility use. When amputated, the muzzle is faced off square. If you lack a muzzle crowning ball on a shank, like gunsmiths use, a round head rivet works. Chucked in a drill, and coated with valve grinding compound, it does a neat, speedy job. Finish with a 600 grit



.45 C re., factory, and .455 loads may all fit same chamber in redone gun. Rt., good dies will avoid case damage. compound such as Clover 4-A. I've seen many medicore tubes get hot when cut off and crowned, which is a good tip to remember.

Front sights can be installed in a number of ways, but a slip-on ramp makes the nicest looking job. Lyman's .640" rifle ramp can be used without the bead, or make one for free from scrap. Ream a length of gun barrel to size, and weld on a blade before installing. Make the blade higher and wider

than necessary, so you can file it down to center your groups. A finished ⅜" blade is about right, but many people have discovered they can aim faster and hit just as well with a wider blade. File the rear "U" notch square and wide enough to match your front sight.

.45 ACP pills are generally sized .452, and .45 Colt .454. The smaller size gets erratic in the oversize .455 S & W that has grooves .457 to .458. But Smith's shoot well with .454 bullets in the .45 Colt case, if they are soft enough to upset in the bore. Colt's have standard grooves about .452 in the .455 or .45 Colt. Factory .45 Colt fodder has a max bullet diameter of .455. The British G.I. .455 pill is about .457, with a hollow base that expands to fill the grooves perfectly. Good as it sounds, it's ballistically inferior to good flat base pills. You lads with a .45 ACP mould and only .452 sizer dies may find these bullets work okay in Colt guns in the .45 Colt case. If they cast about .454, they are okay in a Smith without sizing. Place bullets in a shallow pan and melt enough lube to cover the grooves. Make a cake cutter by drilling out the head of a fired 45-70 case, and you are in business; or apply lube by hand.

Most bullets shoot well, even if slightly imperfect. Soft bullets with a flat nose increase shocking power. This slow speed round doesn't depend so much on velocity for killing as on the bullet material, design and weight. The G.I. slug had the worst possible shape and material, with velocity hardly better than throwing rocks, yet it had good stopping power, due solely to the weight and caliber. The slow, slow speed has some slugging effect, entirely different to the explosive effect of modern Hi-V bullets. That's why mild, light-kicking loads are nearly as effective as stuff loaded to nearly the bursting point of the gun, which isn't a Hi-V number with any load. I'm a velocity fan, but no matter what paper ballistics indicate, there isn't a whale of a lot of difference in the stopping power of a big slug at 600 fps and the same pill at 870 fps, the velocity of .45 Colt factory fodder. Velocity isn't much of a factor unless the slug is soft enough to expand.

Illinois Bullet Alloy No. 4 is excellent, and soft enough to fill the grooves of S & W guns with moderate loads. A good home mix is 1:20 tin and lead, that has more shock than a harder alloy. Anderol bullet lube, like their oil and grease, is a superb product.

(Continued on page 42)

New Micro-Dial Universal Scope Mount

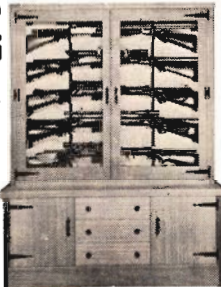
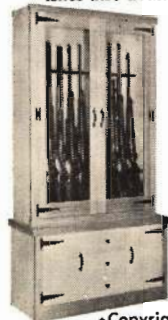


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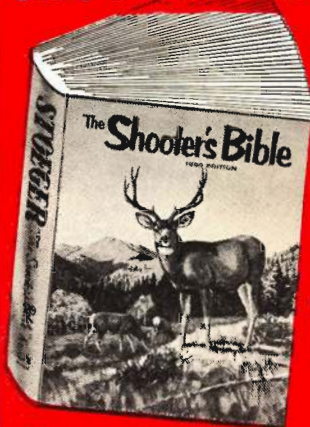
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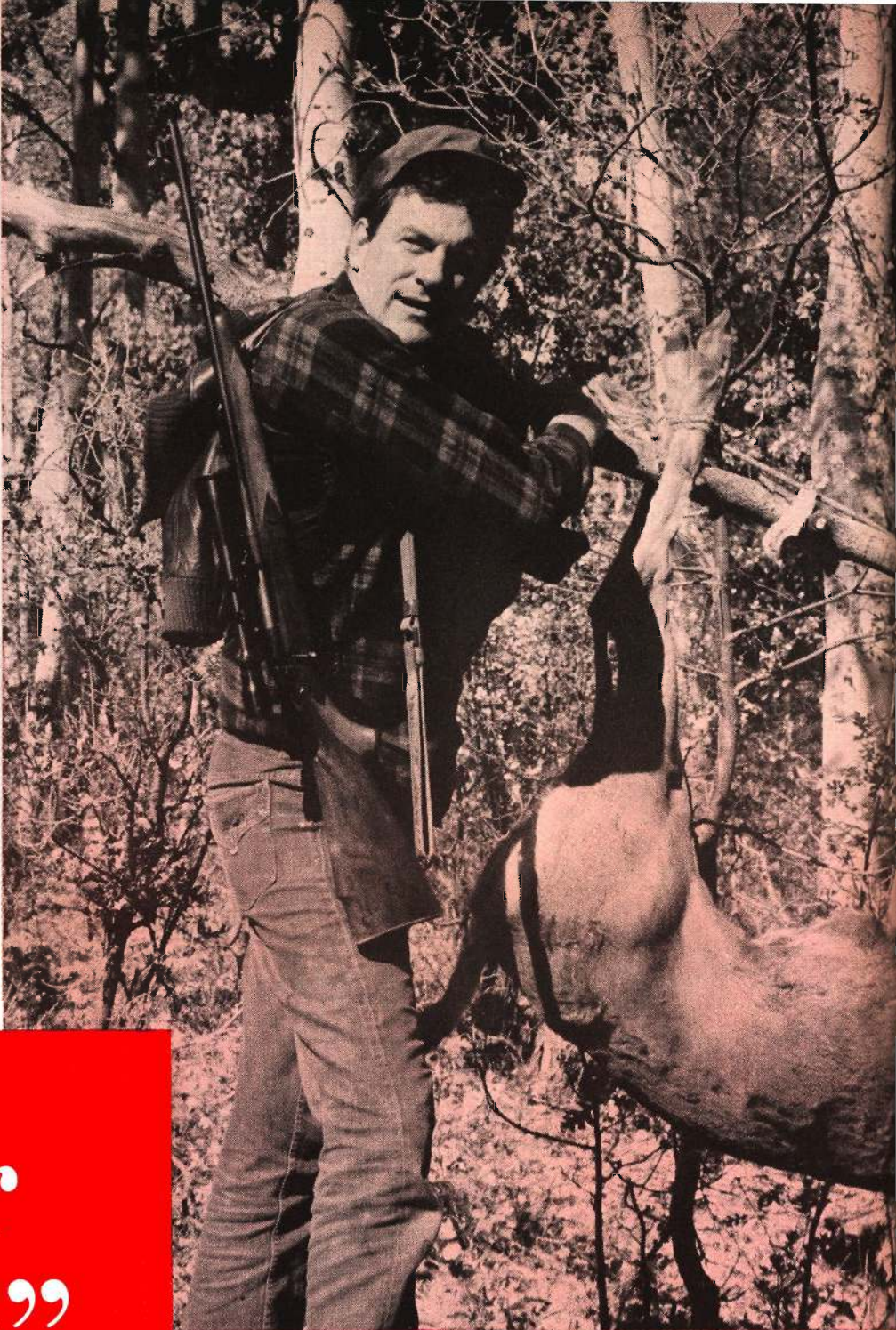
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Big grin endears big Jim Arness to "Gunsmoke's" 40 million fans.



Arness's 6'7" 235 pound frame dwarfs fair sized Utah buck, makes Remington M275 .280 look like child's toy.

"Mister Dillon" GETS HIS BUCK

**"GUNSMOKE'S" GUN-SWIFT HERO
SCORES CLEAN ONE-SHOT KILL, NOT
ON TRIGGER-HAPPY VILLAIN THIS
TIME, BUT ON UTAH MOUNTAIN BUCK**



Sound in brush wins alert attention as party watches mountain game trail. Below, Arness holds Remington .280 with B&L Balvar 8 scope.

Photos and text

By WALT WIGGINS

THE BIG BOOM DAYS of TV Westerns began about four years ago, and each succeeding season finds more of the "hay eaters" galloping across the screens of our living room monsters. Just a few short weeks ago, eight of the ten top shows on TV, measured in viewer popularity, were Westerns. And well out in front of even that fast-running pack was "Gunsmoke"—that least spectacular of the non-spectaculars, in which four relatively unremarkable people in a relatively unremarkable setting drawl homespun speech into story patterns that are homespun too.

Highbrows pretend disdain for the horse operas, and gun addicts have long loved to pick flaws with gun history and gun use as portrayed on movie and TV screens. But "Gunsmoke" manages to survive these critics by entertaining 40,000,000 viewers each week; and few of these find much to criticize in "Gunsmoke's" gun techniques. "Gunsmoke" folks *do* reload between gun-fulls, *don't* drop six redskins with one shot, *are* gun addicts themselves for more than business reasons.

"Gunsmoke's" Marshal Matt Dillon, Jim Arness, is just about the biggest thing ever stuffed into Levi pants and high-heeled boots. He is 6 feet 7 inches tall, weighs 235. Add cowboy heels and eight or more inches of high-crowned Stetson and you've got a lot of U. S. Marshal, even without guns. But Arness prefers not to be without them, on set or off. He makes no claim to being "The Fastest Gun Alive"—"Gunsmoke" is one of the few Westerns in which the hero can miss, can even be out-drawn; but he has worked hard under the best fast-draw teachers to attain the considerable speed he has, and he is the proud owner-user of several much prized sporting guns (of which more later).

The other full-time stars of "Gunsmoke" are Chester Goode (played by Dennis Weaver), Doc Adams (played by Milburn Stone), and Kitty Russell (played by Amanda Blake). Of these, at least two are also gun enthusiasts, and the third ("Miss Kitty") is an eager novice.

Rehearsing and filming the 39 "Gunsmoke" episodes you see each year is a grueling job that, during two-thirds of



the year, leaves little time for sport shooting or any other form of recreation. But last fall, when their friend, Charles Bewley, relayed an invitation from Lee Kay (Director of Public Relation for the Utah Fish and Game Department) to come for a deer hunt in the beautiful Pine Valley country of Southern Utah, the "Gunsmoke" cast wired an enthusiastic and unanimous acceptance. Their unanimity was important. Nobody in Hollywood had ever heard of four principals of any company even wanting to vacation together, and when these four demanded time off from the rigors of life in frontier Dodge City, CBS brass had little choice but to grant it. In early November, Marshal Matt Dillon and his pals took off for the Utah mountains.

For Big Jim Arness, this was a long-awaited opportunity. Ever since the "Gunsmoke" grind started, Jim had been begging for a big game hunting trip, and this was the first time anybody had listened. Even under a full day's growth of blond beard, the famous Arness grin lit the plane as we flew from Los Angeles to Las Vegas; and when we landed, Jim assumed personal responsibility for loading the guns into our station wagon. The number of guns to be loaded

was disproportionate to the number of persons in the party; I began to wonder if there would be room for my cameras! But the ones Jim handled with especially loving care were the two he himself had selected for this journey: a Finnish Sako .270, Mannlicher stocked, given to him by Lew Dillon of Firearms International in Washington, D. C., and a new Remington 725 in .280 caliber, complete with Bausch & Lomb Balvar variable power scope (2½ to 8X magnification).

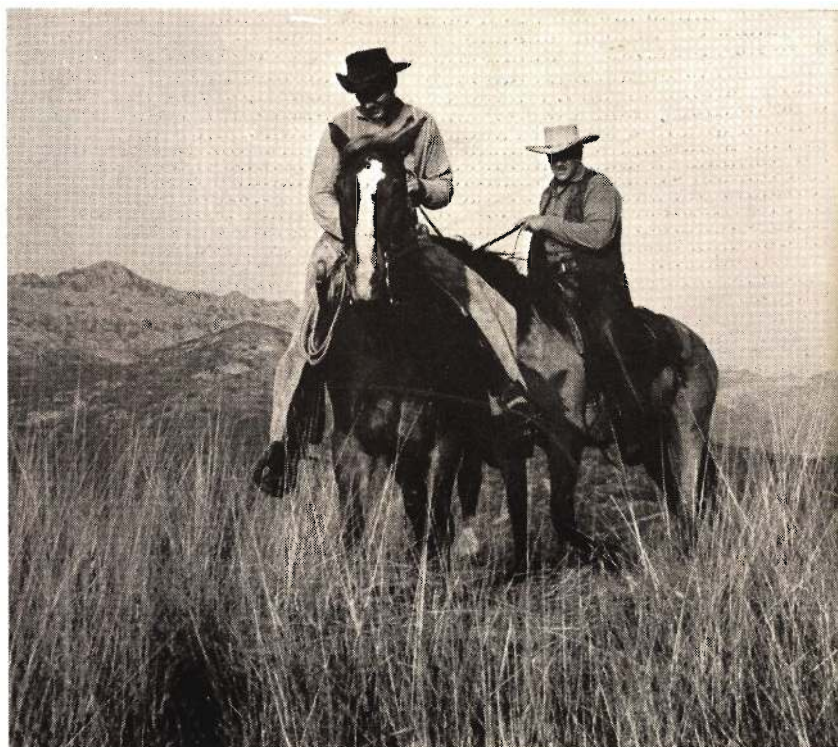
From Las Vegas we drove to St. George, Utah, to meet Utah Game Wardens Leavitt and Kay, who led us from there through the extravagantly beautiful hill country to Pine Valley, one of the oldest of Utah's Mormon settlements. Aspens were beginning to turn brilliant yellow under the nip of late fall freezes, and the lush valleys were covered with heavy stands of timothy hay, often chest high to a man.

Driving up through Pine Valley into the mountains east of the village, we stopped frequently to check the pastures for sign. Each stop confirmed the promises Leavitt and Kay had made that they would take us into a big game paradise. Deer tracks were as thick here as cow tracks were around Dodge in the Trail days. Hardly a square foot of the earth in the open and along the streams failed to show vivid evidence of game travel, and we were quite ready to believe the local people who told us, each time we stopped to talk with them, of deer by the hundreds coming down out of the hills each night and early morning to graze the timothy. There was no question here of resentment against "furrin" hunters; these people were glad to see us and wish us luck. That timothy was worth money, and the deer were costly trespassers.

We made camp finally beside a shallow stream at an altitude of about 6,500 feet. The whole "Gunsmoke" gang was jubilant, like four hookey-playing kids. Arness could



"To me, he looked like a big, proud kid standing over his first sling-shooted rabbit." Right, "Chester" and "Mr. Dillon" track two-legged game in scene familiar to TV millions.





"Gunsmoke" cast on gunsport vacation. L. to R: Jim Arness ("Marshal Dillon") holding his Remington M725 .280; Milburn Stone ("Doc") holding Arness's Mannlicher-stocked Sako .270; Dennis Weaver ("Chester") holding Doc's Standard Remington .22; and Amanda Blake ("Miss Kitty") whose little .22 "Derringer" was one gun with which she could "beat the experts."

hardly conceal his excitement. The wealth of game sign we had seen had lent an edge to a hunting hunger of long standing, and his eyes had a far-away sparkle. But the slow drawl that is so familiar to so many millions might have deceived us. "By golly," he said, "this is livin'. Nice camp; pretty country; a whole week-end of just doin' nothin'."

Game Wardens Leavitt and Kay had their own ideas about the meaning of "doing nothing." So did Arness. "We'll be up about three in the morning," Leavitt told us, "and we'll figure to be at the edge of those fields yonder—" pointing up and far yonder—"by sun-up. That's the time and the place for the best hunting, in this country."

"Call that doin' nothin'?" Dennis Weaver grumbled. "Mister Dillon—" His voice reverted to the voice of Chester on the TV programs. "Mister Dillon, my leg is hurtin' me somethin' awful. I jes' don't think I could make it up that mountain, in the dark an' all. I figger I jes' better sort o' sleep in, in the mornin'—till time fer break-fus'. Wouldn't want t' git in (Continued on page 41)



Big Jim's naps are subject to much ribbing on program, and rocky ground proved no deterrent on Utah vacation.



Norma bullets are tested in bench rest outfits such as this heavy Hopkins & Allen U.S.-made Mauser being fired by comely Swedish ballistic lab technician.

By NILS KVALE

SINCE 1902, NORMA HAS SUPPLIED WORLD

MARKETS WITH FINE, HARD TO GET AMMUNITION AND COMPONENTS

BULLETS BY THE BILLIONS

ONE WINTER DAY IN 1902 a tall, blue-eyed, earnest-looking man in his late thirties stepped off the train at the small Swedish border town of Charlottenberg. He was Ivar Enger, a Norwegian. With his two brothers, he operated a small factory making target bullets in Oslo, Norway. In a few years, his bullets had become famous at every Norwegian rifle range. Now, the shooting fraternity of Sweden, which had been importing German bullets at high prices, asked the Enger brothers to open a factory in Sweden.

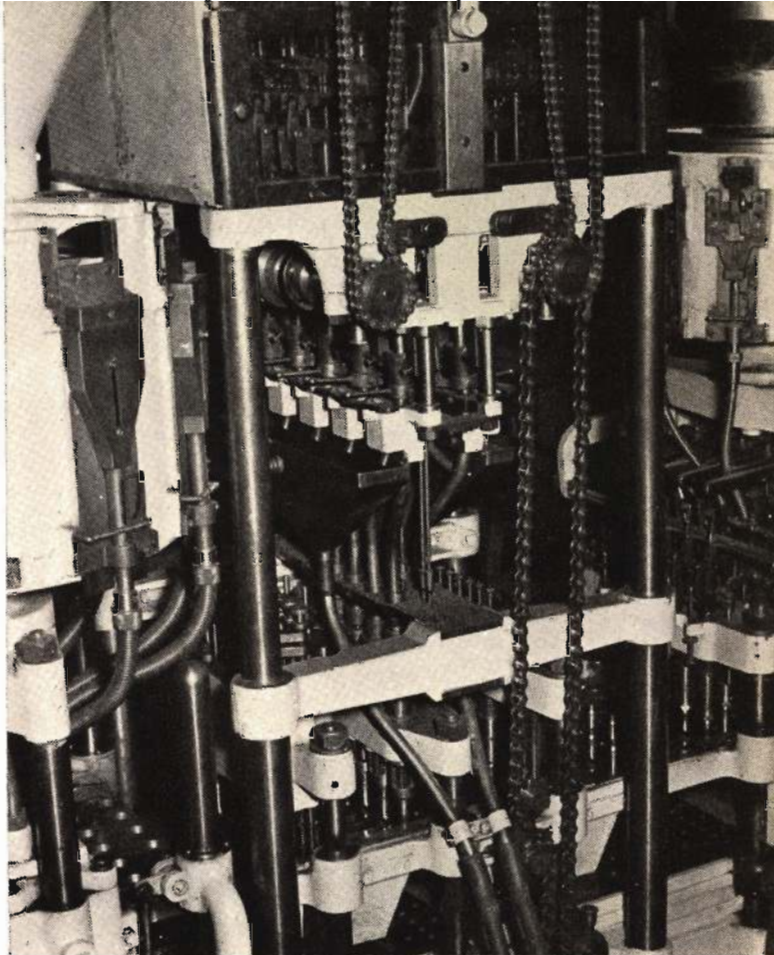
Being a practical man, Ivar Enger did not want to spread his factories any farther apart than necessary. Charlottenberg was the first town across the Swedish border, and attractive for that reason. But Enger was to be disappointed. The only available site had already

been taken by a tobacco factory. Back to the train Enger went, and travelled one stop farther into Sweden to Amotfors. This is how it happened that the now world-famous Swedish Norma Ammunition Factory came to be built in the little village of Amotfors.

Today, Norma ammunition is known the world over. Firsts in recent years for the Norma line included the first commercially loaded sporting ammunition in a variety of military calibers, such as the 6.5 and 7.7 Japanese loads. First also was Norma with reloadable cases, designed by the factory for its regular ammunition but identified on the base with stamp "Re" indicating it was strong for reloading.

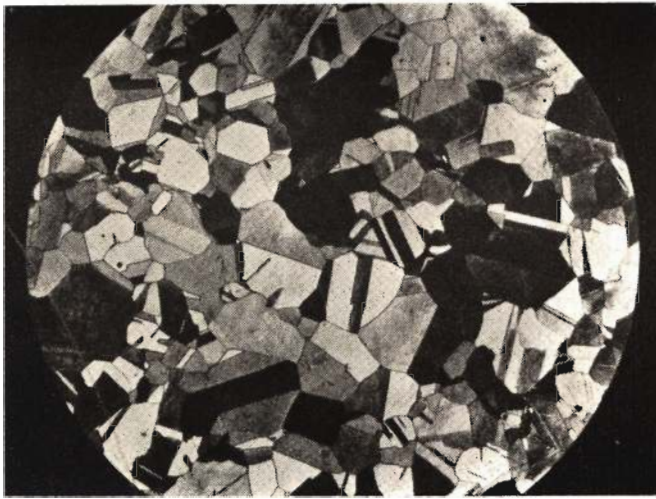
Reloading is a good word at Norma. The company has built a big business upon a basis of reloading centerfire ammunition for the Swedish rifle clubs. Norma was first also with offering unprimed empty cartridge cases to U.S. gun cranks so they could be shipped by mail: with primers in them, empty cases for handloading must be shipped expensively by express. And another first was the Norma straight-drawn case, suitable for any load according to how the handloader necked down the straight-walled semi-finished shell. Studying diverse shooting interests gave Norma through the years a commanding position. Their rise from a rented wooden frame farmhouse to a modern ammunition factory is a story of mass-producing shooting quality.

Before the First World War, business prospered with club orders. New land and brick buildings were added to the farmhouse; new machinery came over from Norway. Today the Swedish Rifle Association members burn up

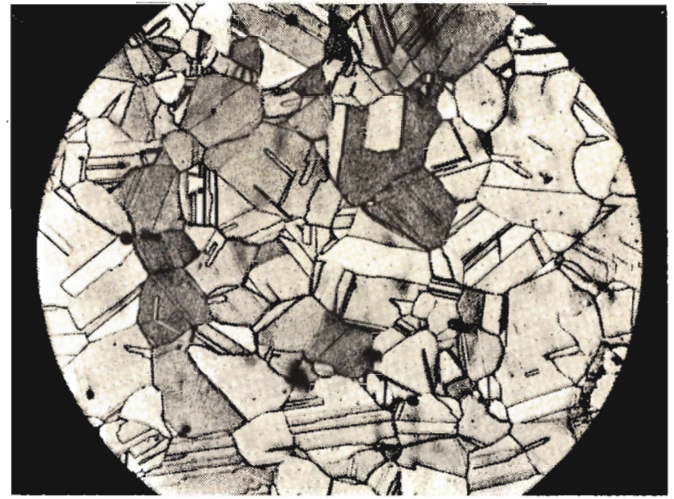


Fully-automatic bullet making and case sizing machines at Norma (above) chomp out loaded ammo and components which must be mass-tested to save time. Below, air-cooled Browning rips out string of reloaded .30 brass in case endurance test.





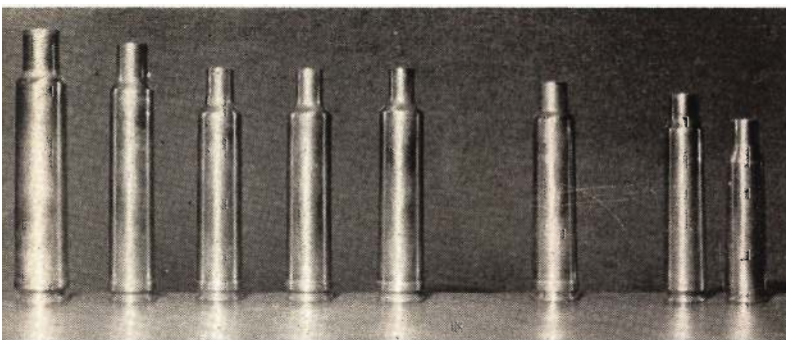
Under microscope, case brass crystals show regular form indicating strong metal structure in Norma neck anneal.



Bad brass shows weakness through crack-like lines extending across the individual grains, reducing strength.



Roy Weatherby consults with Amund Enger at Norma works about new .460.



Norma is major custom ammo maker. Top photo shows five of Weatherby Magnum lineup, then 7&61 Sharpe & Hart, and Jap 7.7 and 6.5 dimensioned from sample rifle chambers. Cases are punched in stages from cupped blanks of brass.

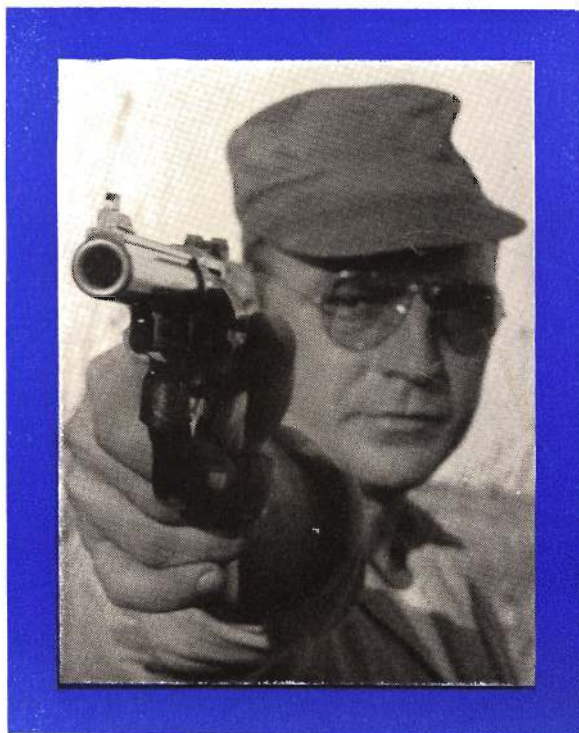
about 45 million rounds of match rifle ammunition a year. but even fifty years ago they consumed a vast amount of it. Many shooters handloaded Norma bullets, and the cartridge was the same then as now, the 6.5 x 55 Mauser cartridge, adopted by the Swedish Army in the Model 1894 Mauser Carbine and 1896 rifle, and the Norwegian forces in a Krag-system rifle. Then came the Great War.

The Scandinavian countries remained neutral but stepped up military training. The Rifle Associations accepted new members who wanted to improve their rifle shooting ability, in case of an emergency. An ammunition shortage loomed ahead, and Norma found itself having to change from just a bullet factory to a complete ammunition loading plant. The machines look similar, and some of the production methods are related, but there is a big step from making just bullets, to producing complete loaded cartridges. New buildings, equipment, technicians and, most costly of all, new experience had to be added. By 1918 the Norma factory capacity could take care of the Rifle Association needs, with production to spare. The extra capacity was turned to producing hunting ammunition, and so growth continued. Domestic demands remained fairly constant and, outside of Scandinavia, the name Norma was little known.

When the dark clouds of war again gathered over Europe in 1939, there was a renewed demand for the old 6.5 military cartridge, far greater than it had been a quarter of a century before. The case was the same, but the cartridge was much improved. The bullet was no longer the round-nosed Model B. A new semi-pointed match-type bullet had been introduced, and then the modern pointed boat tail shape known as "D pointed." The original was a French projectile machined of solid bronze (the "Balle D"); but Norma had perfected drawing and forming their bullet with a lead core and tough steel jacket in the "triple plate" design, a rolled lamination of steel sandwiched between gilding metal. The steel gave penetration in jacketed form, with controlled expansion in the hunting loads. The gilding metal protected the bore from steel-on-steel wear. Norma sporting ammo since the 1920s, and Norma military ammo since 1941, has used non-corrosive primers.

When the Swedish Army changed to the pointed boattail bullet in 1941, Norma ammunition (*Continued on page 48*)

How To Be A PISTOL CHAMPION



Roomful of honors came to master pistol shooter who applied three essentials of top shooting: practice, good equipment, and plenty of ammunition. Connover sights over big S & W .44 for which he handloads.



WINNER OF 300 MEDALS AND TROPHIES, CONNOVER LIKES HANDGUN HUNTING-PLINKING EVEN BETTER, CALLS THIS BEST OF ALL SPORTS

By JOHN CONNOVER
as told to FRANK de HAAS

ON MY 11TH BIRTHDAY, my father gave me my first handgun. It was a Colt .45 Single Action Army. That surely was some gun for a kid! I'd hang a newspaper on a fence, back off a few paces and try to hit it—with little success. That is when I began practicing; and today, 24 years later, I'm still practicing. Between that time and this, almost every kind and type of handgun has resided in my gun cabinet, and in many of those years, upwards of 20,000 shots have gone through their barrels. All firearms interest me, but the handgun always has been and always will be my favorite. Handguns are a supreme challenge

and, since the day that I missed the unfolded newspaper, I've had an overwhelming desire to master them.

Although it took quite a few years, this desire to master the handgun led me into competitive target shooting. Beginning with that first .45 Single Action, I've used a revolver for much of my small game hunting, pest shooting, and plinking. Always looking for a method by which to improve my marksmanship, paper targets offered me a way to check my performance and to get practice at the same time. This naturally led me straight into handloading, because store bought ammunition in the quantities I wanted



Some of Connover's handguns include stag-handled GM Colts in .38 Super, .45, and .22 Conversion Unit pistol, targetized; weighted HD Hi-Standard facing Ruger Mark II with muzzle brake, and three S & W's. He now shoots Colt Python, S & W's 1955 .45 and .22 M41.

to shoot was beginning to be out of the question. Hand-loading was immediately followed by increased shooting activity—testing and working up loads for all my revolvers. Almost all of my early shooting was done alone. Later, I practiced with a friend or two, and then finally, just a few years ago, I went into organized competitive target shooting.

Unlike the military and law enforcement people who enter the competitive game to improve their efficiency with one of the tools of their trade, I shoot because it is fun in itself and because it increases my enjoyment of handgun hunting and plinking. I like to shoot, and I like the company of other shooters. Competitive shooting gives me both.

People often ask me, "What are the essentials for success in target competition?" I have a sort of double-barrelled answer: "There are six: three little ones, and three big ones. The little, less important ones are—good health, time, and enough money for equipment, ammunition, and travel. The big ones are practice, equipment, and ammunition—the right kind of each."

I say that the first three are minor because, although

good health and a near-perfect physique help, I've been beaten by men who couldn't see the sights without glasses and who couldn't punch their way out of a paper bag: because, although time for practice and for matches helps, there are top shooters who can't devote much time to shooting; and because, although some money is essential, some of the top gunners have darned little.

The three big essentials are practice, good equipment, and good ammunition. Fortunately, there are ways to get them without too great an investment of either time or money.

All top flight pistolmen have their own methods of practice. Some, like Harry Reeves and Joe Benner, have jobs in which they shoot almost every day as instructors for the police or army. (They practice on their own, also.) Most shooters must take their shooting when they can, perhaps in one or two or more evenings a week at the local range. Some do most of their serious practicing in the week or two before a match. Some practice dry firing (triggering and sighting an empty gun) in their office or home for a given time every day, with only an occasional session of actual shooting. A lot depends upon the in-



Instructing his sons helps keep Connover sharp in aim himself. Pistol expert believes safety can be taught young, lets John Jr. shoot at 12 ft. to gain confidence in aim.



Favorite for rapid fire .22 shooting is new Smith & Wesson Model 41 which Connover fitted with custom Herrett thumb rest grip. Marksman fires 90 to 160 shots daily, has own range on friendly farmer's land.



dividual's ability to budget his time for essential practice.

My own practice is more or less a continual affair, the year around, and has been ever since I started shooting. I find a place to shoot indoors in the winter and, with a friend or two, manage to practice one or more nights each week. I burn a lot of ammunition this way, and not all of it .22 caliber either. The .38 Specials and .45s are noisy indoors but not too bad, thanks to comparatively light target loads; and I need to keep myself accustomed to the feel of these guns as well as the .22.

In the indoor practice, I concentrate on and iron out the many little details involved with each particular gun: sight settings, trigger control, hold, and finding the load which each gun shoots best. After that, I begin serious practice by expending from 90 to 160 rounds of ammo per evening.

For summer shooting, I have my own little private range on a farm a few miles from my home. This 50 yard range is situated where there is some wind protection from the surrounding hills or trees. Nothing is spared to make it an ideal practice range. One end contains my semi-portable shed or wind-break—three sides (*Continued on page 45*)



Johns Senior and Junior bag limit of fox squirrels with head shots, using .32-20 Colt Frontier and .22 Kit Gun.

Muskets That Beat The British Best

LIKE A PAGE OUT OF HISTORY, ARSENAL
AT WILLIAMSBURG DISPLAYS ARMS AND
ACCOUTERMENTS OF FIRST U.S. SOLDIERS

By PARKER CRUTCHFIELD

TODAY'S ARMY RIFLEMAN wears green. This new uniform links the modern citizen soldier with the first defenders of our country's liberties to wear "rifleman green," the militia and regular troops of Colonial America. And today at Colonial Williamsburg, Virginia, are soldiers such as once served in the French and Indian Wars, or fought with Major Robert Rogers' Rangers—that elite, semi-guerilla force almost certainly supplied from the same historic Powder Magazine which stores the Williamsburg troop muskets today.



Horse pistol volley at Magazine amazes Williamsburg tourists.



Garrison musket 7' long was used against Indians at long ranges. Martial blunderbuss had naval, coaching use. Brown Bess with pipe-clayed sling was regular arm of "Royal Americans," whose officers carried lighter fusils. Bottom, Dragoon's carbine has sling ring and slide. All are flintlock, all are British made.



Display of Heavy Cavalry pistols of George III period is not just for "effect." Small arms of period in arsenal were actually in such racks. Light Cavalry pistols were same bore but shorter, had only one ramrod ferrule. Locks bear makers' names.

The Powder Magazine, a unique octagon-shaped building which, although much reconstructed, still has parts of the original in it, once held the arms of King George's "Royal First Virginia Regiment." This unit, the first regular regiment of native Americans, is the ancestor of the U. S. Army of today.

The arms they carried have disappeared, lost at Bunker Hill, Ticonderoga, Kings Mountain, Valley Forge. No museum preserves any musket marked "Royal Americans," though they must have had some such property mark. But the reconstructed Williamsburg Magazine contains muskets of the period; full kits of accouterments, and armorer's tools, either original or reconstructed after the original designs. This slice of the past reveals the armament of America's first fighters—the militia and regulars of the Revolution.

Here, also, exciting events took place which touched off the Revolution in Virginia just after the battle of Concord and Lexington. In May of 1775, Governor Dunmore unwisely removed the powder from the magazine one night when most of the city slept, using Royal Marines from a nearby warship to do the job. The citizens objected because the powder was theirs, for their protection.

An excited mob threatened the Governor in his palace. Patrick Henry led militia from Hanover County to force the return of the arms and powder, but the Governor fled the city, never to return.



Modern militia steps out to drum tattoo at Williamsburg Governor's palace as College Company may have done in 1776.



"Col." Dudley Williams wearing gold-trimmed officer's tricorn points to priming pan with paper cartridge. On table is cartridge tying rig.

Visiting GIs learn manual of arms as done two centuries ago. Below, cannon and shot are slushed for yard storage. 3-leg rig is winch for lifting big gun tubes.



From then on, Virginia was free from British rule. But sly old Dunmore, when he left, had his marines rig up a gun trap in the Magazine. and one of the Liberty Boys lost an arm when he entered.

Afterward, several units were equipped from the Magazine: the College Company (students and professors from William & Mary College), the James City County Militia, and a boys' brigade—ages 14 to 17—calling themselves the "Liberty Boys." Led by Henry Nicholson, the Liberty Boys armed themselves with the blue stocked trade muskets, wore buckskin hunting shirts with "Liberty or Death" scrawled across their chests, and deerskin hats.

The Magazine, popularly known as The Power Horn, is one of the most historic structures in America. It symbolizes the right, guaranteed in the Virginia Bill of Rights and later in the Constitution, of the citizen to keep and bear arms. The restored Magazine appears as it did in the days of Colonel George Washington. The building is a three story brick octagon, surrounded by a high wall. Within the courtyard are piles of cannon balls, many of them excavated on the spot, including chain and bar shot as well as "grape." There is a great artillery piece on one side of the yard with all its wedges for elevating the barrel. Behind the Magazine stands a hoist for lifting the cannon barrel and, nearby, a device for sorting cannon balls according to size. In the old days, the spent balls were recovered, sorted and fired back at the enemy. On the ground floor to the rear of the building is the powder room where reproductions of the casks and kegs of powder are on display. In those days the powder was stored in a small keg holding about one hundred pounds, encased in a larger keg which helped keep out the moisture. Also in this room are several small signal guns with brass barrels.

On entering the front door of the Magazine—a massive nail studded one with a huge lock—you can see lead melting pots, shot moulds, musket parts and armorers' tools; for an armorer was kept around to keep the guns in repair.

Each gun part had to be fitted by hand. A number of armorers have worked here, carefully filing the metal and chiseling the stocks for a neat fitting. Perhaps James Anderson, Williamsburg blacksmith, was one of them. Anderson, during the Revolution, was an official gunsmith for the Virginia Committee of Safety. From the armorer's room a central stairway spirals upward to the second floor where most of the firearms are kept in racks along the walls. Today the visitor will not find these racks always full, (*Continued on page 58*)

Picture-Punching Practice for G I Hunters

**Army Clubs Hold Hunting Shoots With
Moving Game Targets To Make Hits Tough**

WHEN A QUARTER-MILLION AMERICAN soldiers stand guard in Europe, nerves grow tense. Relaxation and recreation are as important as guns and bullets in keeping U.S. Forces personnel in fighting trim. The U.S. Forces Rod & Gun Clubs are key units in the overseas recreational programs. Among the many activities of these clubs is one learned from their fellow-shooters in the German hunting clubs, the hunting-type shoot at stationary and moving game targets. This kind of competition provides excellent training for the hunter and is at the same time a most interesting sport. Typical of the many



Wily "fuchs" in natural size is game target in popular contest.

By NILS KVALE



Fast work with O3A3 Springfield is needed to snap shots into full-size boar target which dashes across in front of Maj. Christian at Rhein-Main R & G Club. Baffles prevent tossing shots high in populated locale.



Art Jackson squeezes off shot with .222 Remington 722 on running boar range while two other shooters waiting their turn dry fire on swiftly moving target.

contests held at clubs all over Germany is the one shot on a pleasant Sunday last fall at the Rhein-Main Rod & Gun Club range, one of the biggest and most active American shooting organizations in Germany.

Only a few minutes' drive from the buzzing city of Frankfurt, Western Germany, is the home of the Rhein-Main Rod & Gun Club, peacefully settled in a wooded area. Sparkling European cars of Mercedes, Alfa Romeo and other leading brands are parked outside the large, two-story brick building. Rifle and pistol shots crack on the roomy range on the other side of the clubhouse.

Inside is the meeting-room, big enough to take a hundred members at club meetings, and the sporting goods store—big enough and well-equipped enough to be situated on a New York City main street. There's also a bar, where you can have a bottle of good beer at a very reasonable price—or cool off with a Coke after a hot contest on the range just outside.

Whenever you arrive at the club, which is open until late in the evening, you will always find a bunch of gunbugs at the sporting goods counter. One may be looking over a new rifle which just came in, another picks up a few boxes of cartridge cases or bullets for his reloading bench, a third man is there on his daily impatient trip to ask what became of the revolver he ordered. Maybe his

letter had only just reached the factory in the States, but gunbugs are always impatient to feel a new gun, aim it, and smell powder.

Sure enough, it's a Rod & Gun club—and the merry spinning of fishing reels usually mix with the sound of rifle bolts opening and closing—but today is Sunday—the fishermen are off along the streams—and the gunbugs have brought rifles, shotguns, wives and babies to the range. It's the finishing day of the *Jagdliches Schiessen*, the hunting type shoot which has been going on for the whole Saturday, and even Friday when members from all over the Frankfurt area gathered to fire training shots on the tough targets. No, there is no such thing here as a shiny white target with a sharply defined black sighting bull, unless somebody put one up at a hundred meters to do final sighting-in on his new scope. No such thing as a hundred yards either—don't talk yards, feet and inches to these guys. They're metric, unless they speak of bullet velocities, where the discussion still goes in grains and feet per second. Otherwise—they shoot in meters, drive in kilometers per hour, even weigh their guns in kilos. These American gunbugs have no difficulty in feeling at home in a foreign country, as long as they have their "right to own and bear firearms." Neither has he trouble in getting acquainted with the targets, even (*Continued on page 43*)



Hunting targets are scored according to best shot, not just kill. Poacher target is seldom shot at by G.I.s though Germans use it.



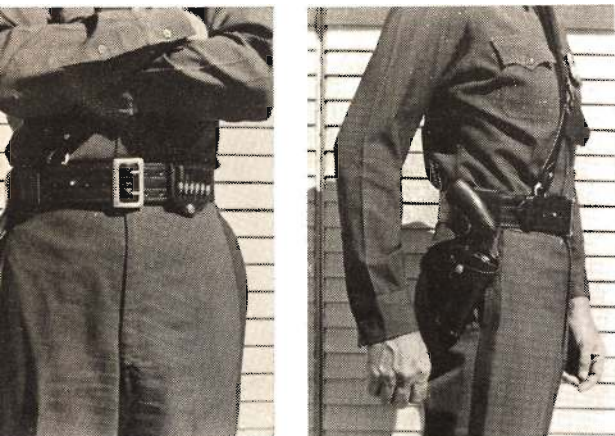
At Rhein-Main club winners line up. Mrs. Jackson got plaque; Art plaque plus ammo; Capts. Vann and Porasky shell-case trophy and embossed plaque; Sgt. Wilson medal, binocs; Art Niebuhr more ammo.



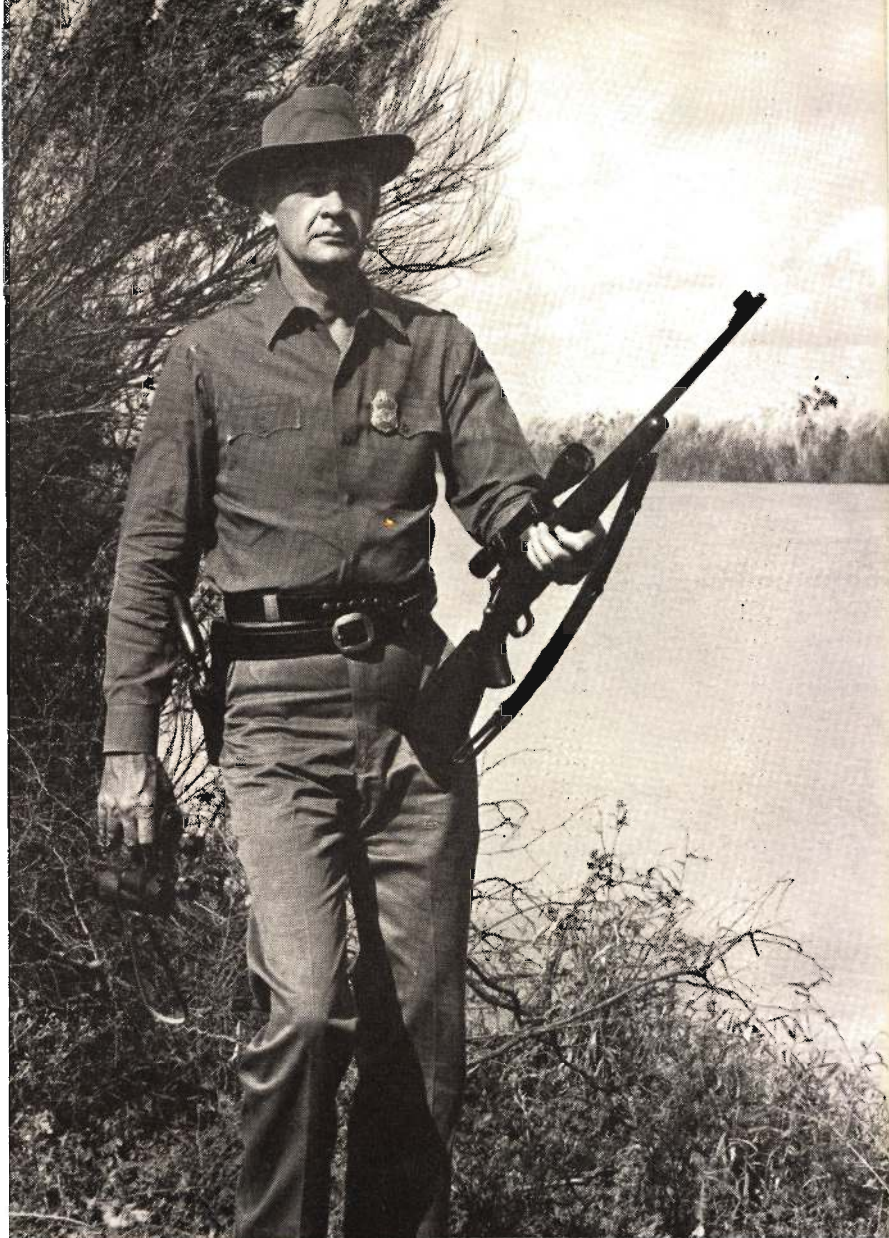
Art Jackson, Olympic rifle champ, congratulates his wife who outshot him on sitting fox target with perfect 50X50.



Typical view of Rhein-Main Rod & Gun Club parking area shows officers', E. M.'s Mercedes, Alfas, Olds.



On duty, Jordan wears Sam Browne rig identical to that of most U.S. officers. M70 Winchester is used by Jordan when rifle is needed.



BILL JORDAN: Fast Man With a Slow Drawl

By BILL TONEY, JR.

YOU KNOW GUNS, and the revolver in your hand is completely familiar. It is loaded with blank cartridges (doubly verified). It is cocked, and your finger is on the trigger. Bill Jordan facing you, six and a half feet tall and over 200 pounds, looks rugged but not fast. His arms are long to match the rest of his frame, and his hands are big. He wears a neatly tailored forestry-green uniform and carries a modern, double action, .357 Magnum revolver. His rig is a Sam Browne belt and holster that looks like those worn by thousands of other police officers all over America.

A deep, rumbling voice right out of the Old South says, "When you see me start to draw, pull the trigger. Everything clear now?" He stands easy and relaxed. Sure it's clear! You are ready, and all you have to do is press that

one little digit. This will be easy! But from Jordan comes a flick of movement so smooth it looks slow. It tells you to pull, and you manage to trip the trigger—in time with his second or third shot.

Many other people have been surprised the same way you were by Bill Jordan's silky-smooth gun handling. I am accustomed to his lightning-fast draw, but he has been surprising me for over ten years, in this and various other ways.

This man is neither an actor nor a grownup kid playing six-guns and cowboys. He has been a career law enforcement officer since 1940. His primary interest in the fast draw is self-protection. To him, the acid test of skill is to draw and hit something—such as a man about to shoot you—in the shortest possible time. The revolver he carries was

BORDER PATROLMAN BILL JORDAN PRACTICES

FAST DRAW NOT FOR FUN BUT FOR LIFE INSURANCE,

IS ONE OF THE "FASTEST GUNS ALIVE" TODAY

chosen because he is convinced that with it, he can score paralyzing hits faster than with any other gun available.

Jordan is not enthusiastic about the quick draw with blank cartridges as a test of ability, but it is safer that way. The demonstration, of drawing and firing before even a skilled gun handler can pull the trigger, points out a well known natural phenomenon. The average person's reaction time, that interval between the brain's order to move and the muscle's response, is greater than the time Jordan needs to draw and fire after his hand starts to move.

He still looks good, though, when he draws against a

Posing like Hollywood "fastest gun" photo, Jordan holds .45 Colt which he has used to prove he is fastest gun still alive. Border patrolman is tops with shotgun, too.





Pet revolver is S & W Magnum, "dehorned" and with trigger guard slimmed for fast double action use. Big grip helps to control handgun's kick, yet is not bulky.



machine and reflex time works against him. Drawing for one reporter against a Crocker timer, he registered the fastest time ever recorded on that machine. On Art Baker's TV show, "You Asked for It," in January 1956, he drew and scored a hit on a "Drawmeter" timer in .3 (three-tenths) of a second. His latest accomplishment is a record time of .27 (twenty-seven hundredths) of a second to draw and score a hit at 15 feet on the Ross Robot Dueller, including reflex time.

The "record" for a fast draw is a fluid thing because of variations in the conditions of the draw: whether reaction or reflex time is counted, whether a hit must be scored or not, and how the timing mechanism works. None of Jordan's draw times described above have been beaten on

the same machines and under the same conditions.

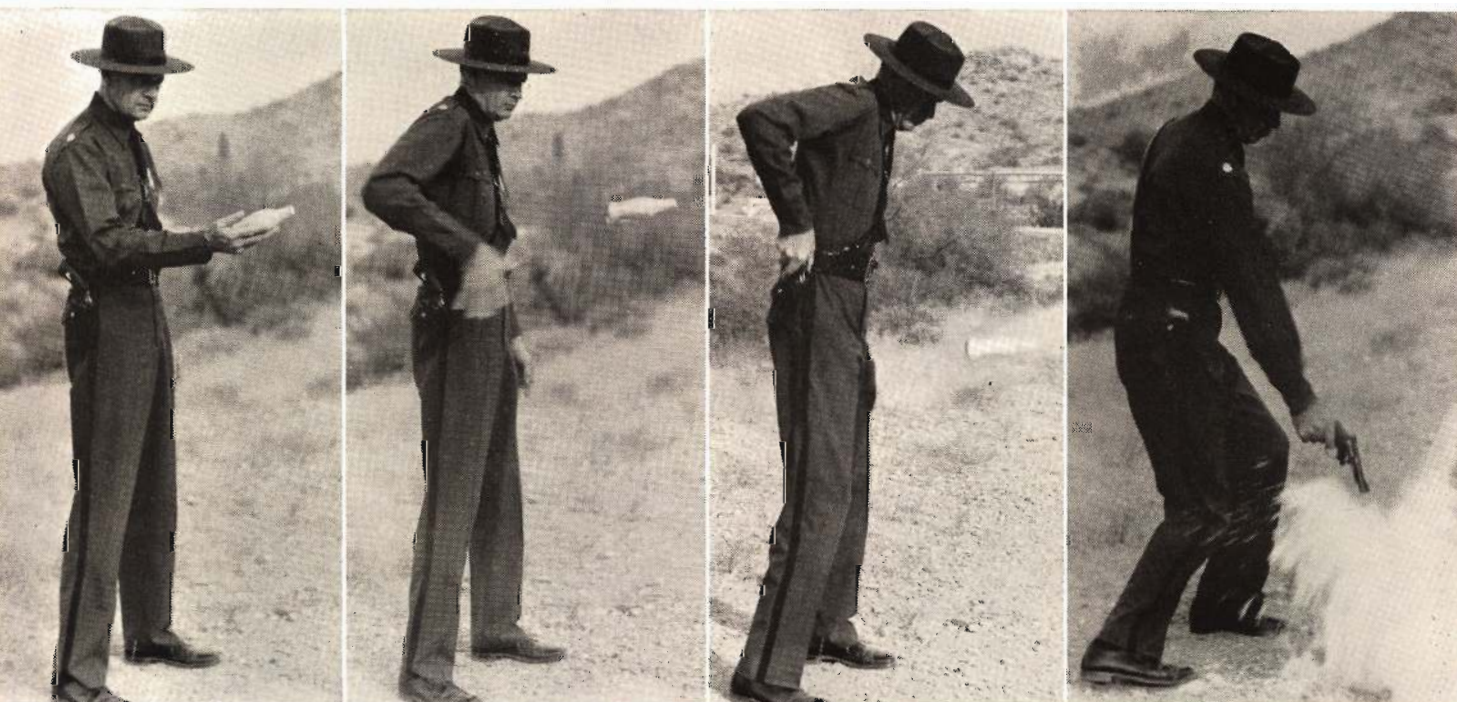
Is he the fastest man on the draw? He has never claimed to be and doesn't really care, but he doesn't want ever to be second best in a real gunfight. "Well, Bill," I kept probing, "who is the fastest gun in the West?" "Aw," he stretched and yawned, "I've seen at least five of them. All you need to do is yell 'go fer yore hardware' and they come running. There's a quick draw club in nearly every town, and nearly every club has at least one 'fastest gun.' More power to them. But don't ask me to name the fastest; I'm a peace-loving man!"

Bill Jordan did not become a fast man with a gun overnight, and no one else should expect to do so. It is something to be learned slowly, surely, and safely, and it can be done that way. Unfortunately, an epidemic of firearms accidents seems to mark the path of over anxious and undertrained quick draw fans who overlook the basic principles of safe gun handling. This man would tell you to take it easy and play it safe.

Cheneyville, Louisiana, where Jordan was born on February 12, 1911, is hardly the place one would pick as a breeding ground for quick draw artists. He grew up and attended high school there; then went to Louisiana State University for a year. In high school and college he played basketball, baseball, and the usual other games. He also fought for seven years in AAU boxing competition. After leaving the university, he worked nine years for the U. S. Engineer Corps, as a surveyor on hydrographic surveys along the Mississippi River between Vicksburg and New Orleans.

Somewhere along the line, Bill Jordan learned to shoot. As a member of the Mississippi Civilian Rifle Team he shot in the Camp Perry National Matches in 1940. We have no reports on the mortality rates among the doves, ducks, quail and wild turkey of that time, but Jordan is an enthusiastic hunter, and he learned (*Continued on page 51*)

Jordan's Quick Draw Sequence



Coke-bottle quick draw displays genuine speed with no fancy work to get gun out and shooting in minimum time. Alert but relaxed stance is feature of Jordan's draw, adapted for tall man who moves arms more than short man for speed.

ONE OF THE WORST of the many anti-gun laws that have threatened us in recent years—Pennsylvania's Senate Bill No. 412—was killed, we are delighted to report, by action of the Senate Committee on Law and Order; action brought about by the prompt, vociferous, effective opposition of Pennsylvania shooters, target and GPA organizations, the NRA, and, we like to think, GUNS Magazine.

For those not familiar with the history of the bill, we quote the following from The American Rifleman: "This bill was . . . an outgrowth of a widespread anti-firearms campaign . . . (which) . . . drew tremendous impetus from the spoken 'editorials' of a Philadelphia radio commentator. . . . It is common knowledge that one of the tenets of the Communist Party is the disarming of loyal citizens through registration of firearms. It is also now common knowledge that the radio commentator who pushed so hard for the enactment of Bill No. 412 has been identified with Communist-front organizations for at least the past 15 years!"

Pennsylvania's Senate Bill No. 412 is dead. But there are lessons here which we should not forget, nor let others forget.

Laws prohibiting American citizens their Constitutional right "to own and bear firearms" not only rob us of a guaranteed civil liberty—they weaken us as a nation, and by so doing, aid the Fifth Columnists among us who are being paid to do exactly that.

This does not mean that all who promote anti-gun laws are Communist agents; many are well-meaning people, misled by the worn, shoddy lies that no guns would mean no crime, no juvenile delinquency. But they would do well to consider the fact (and it is a fact) that the cause they serve is the cause also of their country's enemies.

Anti-gun laws have been tried and proved useless. Anti-gun laws do not stop crime, do not curb juvenile delinquency. They do crumble one important stone in what should be an everlasting and impregnable wall of American civil liberties; and they do strip of us what could be our last line of defense against aggression.

In every European country which succumbed to aggression, anti-gun laws had paved the way, to disarm the people and leave them helpless. We say, "It can't happen here." Let's not LET it happen!—EBM, Editor.



KNOW YOUR LAWMAKERS

Representative Cleveland M. Bailey, West Virginia

DESPITE THE MANY changes that have taken place since the adoption of this amendment, I still feel that our founding fathers acted wisely. Just prior to the adoption of this amendment to the Constitution, Federal troops had been used to quell the so-called "Whiskey Rebellion" in the State of Pennsylvania. Many people resented this encroachment. This, I think, was the basic reason for the setting up of state militias. The use of Federal troops in the recent Little Rock, Arkansas, incident comes close indeed to a violation of this amendment. In view of the increase of crimes involving the individual, I still think the right to carry arms should not be infringed.

Senator E. L. Bartlett, Alaska



THE FOUNDING FATHERS of our country, with typical wisdom and foresight, linked "the right of the people to keep and bear arms" to the cause of "the security of a free State." The Second Amendment prohibits Congress from infringing the right to bear arms for a lawful purpose. The Amendment is designed to promote the defense of our Republic. We Alaskans, having suffered invasion of our soil in World War Two, know the value of "a well regulated militia." We are proud of the fact that in many Alaska villages, virtually every able-bodied male adult participates in the National Guard, thereby contributing to the safety and security of every American citizen.

Senator Howard W. Cannon, Nevada

THE RIGHT OF AMERICANS to bear arms was, I believe, intended to protect our homes and our country just as it did at the time of America's birth as a nation. While circumstances are different today, those of us who believe in and treasure the Constitution and our nation's history can easily find applications for the Second Amendment in our Twentieth Century. We keep arms to protect our homes, to protect our loved ones and our heritage. We even could one day be confronted with an invader, and Americans would have to fight in their own streets in a situation similar to that which Britain prepared for in the dark days of World War II. This is my brief analysis of the situation but, I might add, I am a gun collector of sorts.

Senator Estes Kefauver, Tennessee

THERE WAS AMPLE historical precedent for the provision expressed in the 2nd Amendment. Tacitus expressed it this way many centuries ago: "Is there any escape from a large standing army but in a well disciplined militia?"

The Constitutions of North Carolina, Pennsylvania, Virginia, Massachusetts, and Vermont contained provisions guaranteeing the right to keep and bear arms even before the U.S. Constitution was written. The importance of this provision is just as great today as it was in colonial times. The militia is the natural defense of a free country against sudden foreign invasions, domestic insurrections and domestic usurpations of power by rulers. The right of citizens to keep and bear arms has justly been protected in our Constitution. It should be pointed out, however, that the second amendment does not refer to the secret carrying of arms to be used for criminal purposes. The carrying of concealed weapons may, and should be, prohibited by law under the police power.

The word "militia" has been defined to include all able-bodied male citizens of the United States and all other able-bodied males who have declared their intention to become citizens of the United States between the ages of 18 and 45. The ages, of course, are subject to variation. It would appear from the foregoing that the term "militia" includes all those persons who could reasonably be expected to be called upon to defend their country, not necessarily limited to organized forces.

The expression "shall not be infringed" means that the Congress cannot pass any law that would deny the people the right to keep and bear arms. It must be remembered that the Congress does have the power to regulate interstate commerce and can legislate for the public good and thus some legislation has been enacted regulating firearms, but in no instance can the Congress take away the right given to the people to keep and bear arms. Congress derives the power to provide for the common defense and general welfare of the nation from Article I, Section 8, of the Constitution. Thus, the Second Amendment has no relation to the purposes of national defense and internal security.





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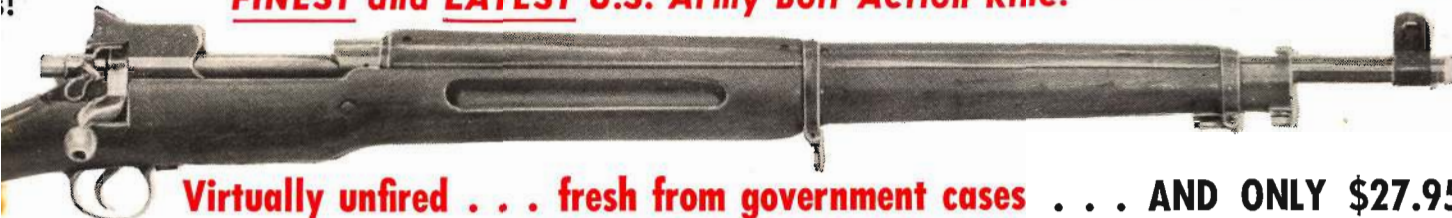
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CAL. .303

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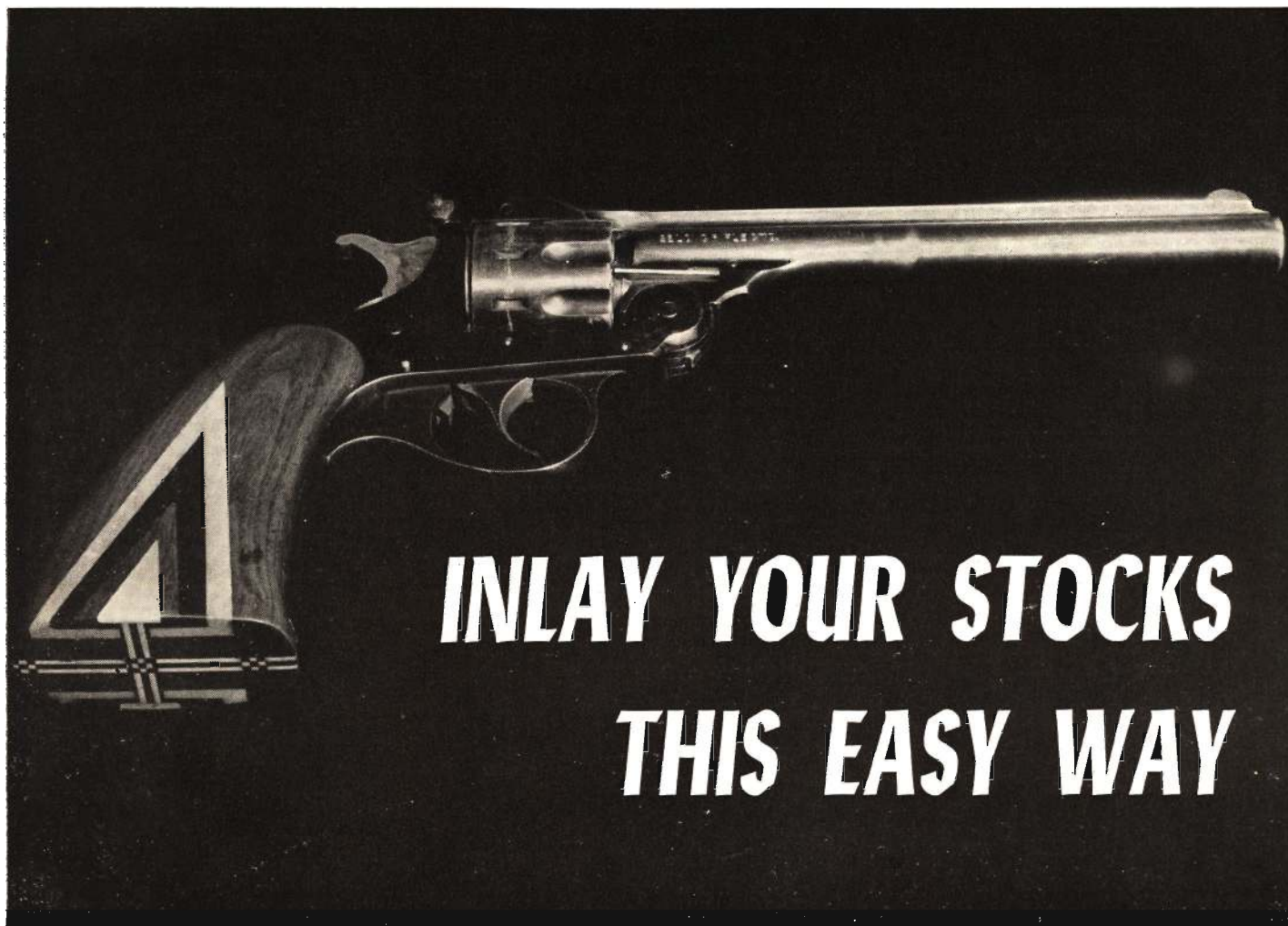
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**YOU CAN IMPROVE THE APPEARANCE OF YOUR GUNS
THROUGH THE MEANS OF INLAYING VARIOUS WOODS IN NOVEL
AND SOMETIMES STARTLING DESIGNS**

By WAYNE JUDY

THE TIME BETWEEN SHOOTING seasons passes rapidly if we can find some excuse to work, or rather play, with our collection of firearms. Many sportsmen are perfectly satisfied with the fine action that the arms people build into their guns. They would not change these actions, even if they found themselves capable, yet they welcome an excuse to spend a few long evenings doing something with their guns other than cleaning and looking at them. You can find this excuse by inlaying the wood parts with different colored woods and mother of pearl. You will find that this can be a great deal of fun, kill a good many long hours and enhance your guns without in the least impairing their fine shooting qualities.

If you have even a modest background in home-workshop wood-crafting, the photos here will provide most of the information you will need. A few steps, however, need some additional explanation.

Although several different inlaid patterns on various

guns are shown, the procedure is quite similar in most cases. For this reason a detailed explanation will only be given of the work on the 16 gauge shotgun.

First of all, in order to remove the old finish, the varnish remover is painted thickly on the stock with a brush or rag. Allow this to remain for about two minutes and then wash the finish off with fine steel wool, saturated with de-natured alcohol. This method is very efficient for removing varnish or paint from gun stocks, and other articles as well, in case you have furniture that needs refinishing.

After the varnish has been removed, the largest of the inlaid pieces is clamped securely to the gun stock. Trace around it with a sharp, fine pointed knife. This step should be done with a great deal of care, for the line thus formed is the finished edge of the inlaid pattern. Press the knife blade hard against the sides of the pattern so that the recessed place in the stock will not be larger than the inlay. "Exact-O" knives are good for this kind of cutting.


After a clear, deep, knife mark has been made around the entire piece to be inlaid, the piece can be removed. The chiseling out of the recessed portion is the next step. Little difficulty is encountered here if the knife cut is, from time to time, made deeper than the center chiseling. Do not try to remove too much wood at one time. Chatter-mark the work several times, before trying to chisel it down to a flat, relatively smooth surface. The shallowest part of this recess should be at least $\frac{1}{8}$ -inch deep.

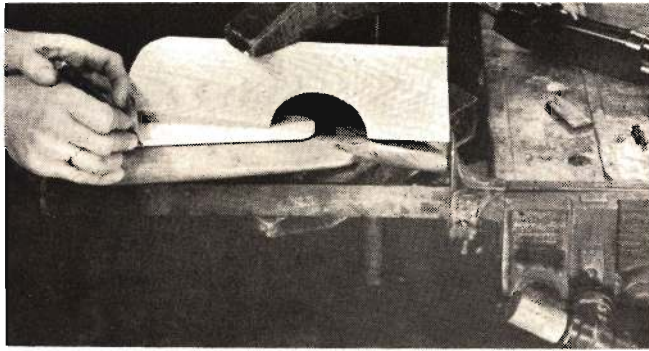
The method of gluing the first part is shown quite clearly. Use a good grade of hot or cold hide glue. If hot glue is used it is perhaps best to heat the woods slightly before the glue is applied. This keeps the glue thin while the clamps are being adjusted and set. Undoubtedly there are adhesives on the market which will serve the purpose equally as well as hot glue. The author, however, prefers the hot glue because the wood naturally swells a bit when the glue is applied and thus insures a tighter fit and invisible hairline joints.

After the first insert of inlay has been allowed to dry

for at least twelve hours, the same process in scribing around and cutting out is repeated except the next smaller section of the pattern is used. Each section should be about one-fourth inch thick to start with, and should be cut into the preceding section about one-eighth of an inch. This method builds up the stock so it can be worked down to its original shape.

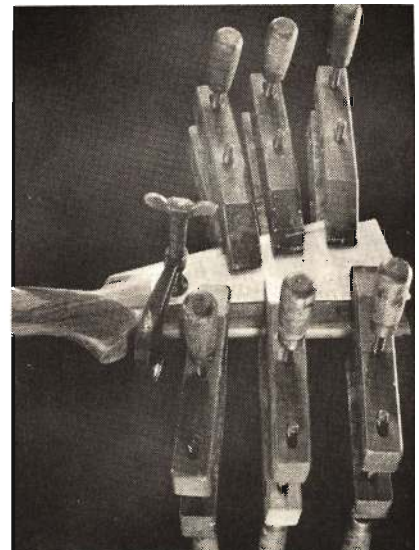
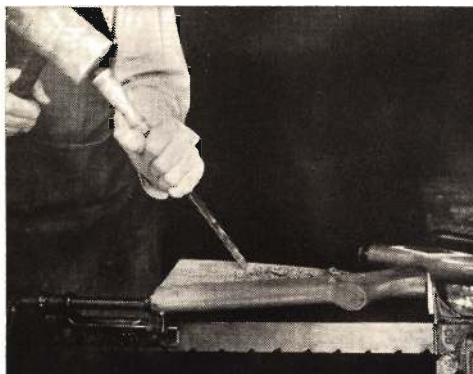
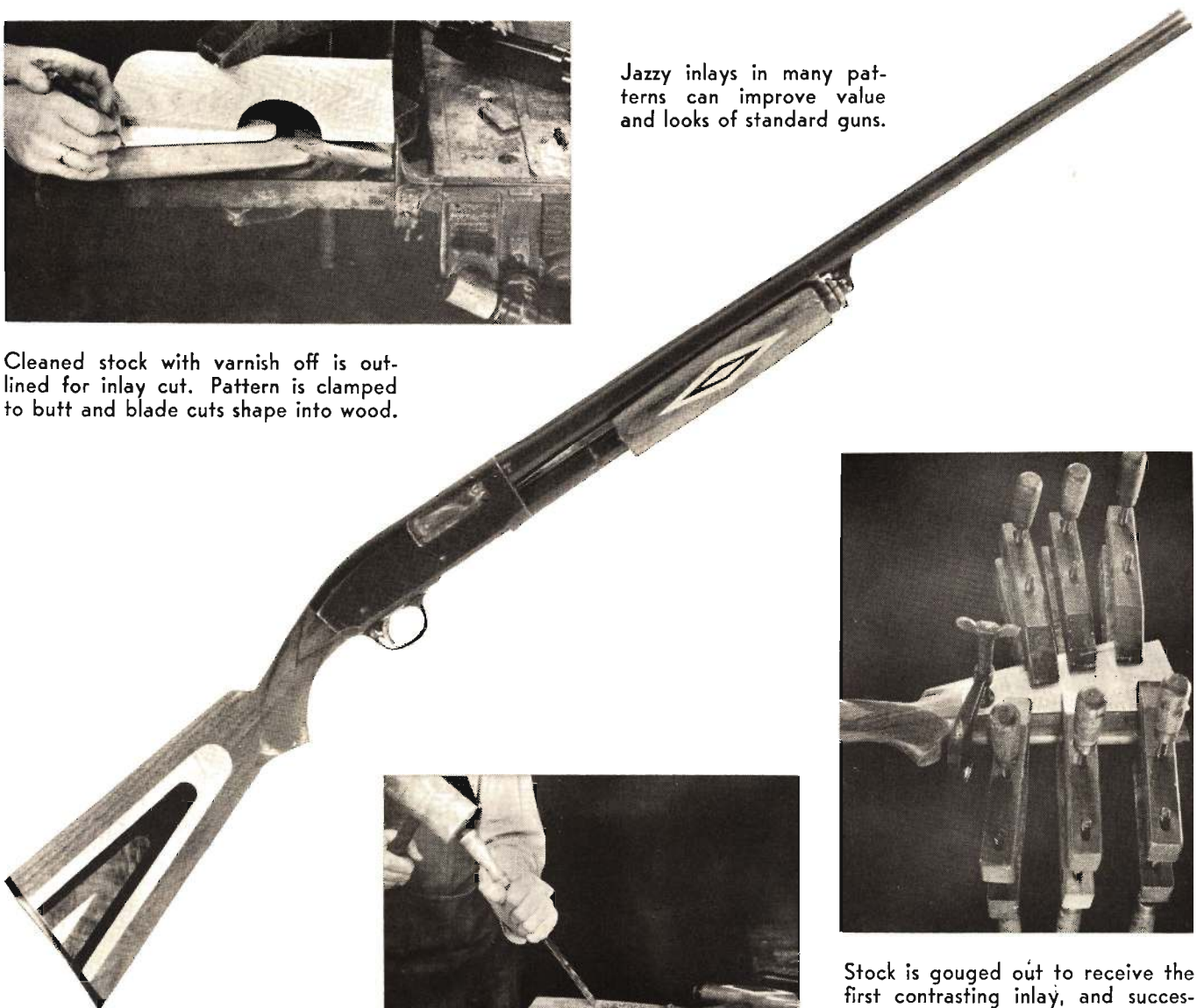
When all members are glued into place, the stock is then worked down with a plane or scraper and then sandpapered to a perfect surface.

In applying the finish to inlaid work, you should first use a coat of natural wood filler and then build up the finish with the desired number of coats of shellac or varnish. Rub down each coat with steel wool or rotten stone and oil in order to build up a smooth, lasting finish. Reliable instructions for a rubbed shellac or varnish can be found in most any book or magazine article on the subject of wood finishing. An oil finish should not be used, for it darkens the light colored woods used in the pattern to contrast with the usual walnut gun stocks. 



Cleaned stock with varnish off is outlined for inlay cut. Pattern is clamped to butt and blade cuts shape into wood.

Jazzy inlays in many patterns can improve value and looks of standard guns.



Stock is gouged out to receive the first contrasting inlay, and successive inlays are dropped into first. Cabinet maker's clamps will give firm pressure during gluing, but vise or weights can be used.

WINDY MISSES

"**M**ISSED by a hair!" is a common expression among rifle shooters who hunt small game with a .22 caliber rifle or who engage in the sport of "plinking" with the same firearms. These misses, some of which are really "by a hair," are, according to Henry P. Davis, public relations manager of Remington Arms Company, generally blamed on faulty aim, bad holding, improper trigger squeeze and numerous relative factors, and sometimes on the rifle or ammunition.

"There is another very important factor, however, which causes many of those 'hair misses,'" says Al Riehl, Remington's manager of shooting promotion, "and which the average fellow who hunts with a .22 seldom considers. That is the effect the wind has on the bullet over various distances. Accurate or inaccurate judging of the force of the wind has caused many a championship to be won or lost, many a deer to be wounded or missed entirely and many squirrels to escape.

"A good many hunters are in too big a hurry to make allowances for the wind, but the most successful ones are those who carefully judge and make allowances for the wind's force before the target looms up.

"There is nothing new about the fact that the wind will blow a bullet from its straight course from muzzle to target," continued Riehl. "Perhaps the first time close studies of wind conditions and allowances were ever made in rifle shooting competition was back in the seventies when the American rifle team, composed of such stalwarts as Bodine, Dakin, Fulton, and Hepburn, won the world's championship from the Irish."

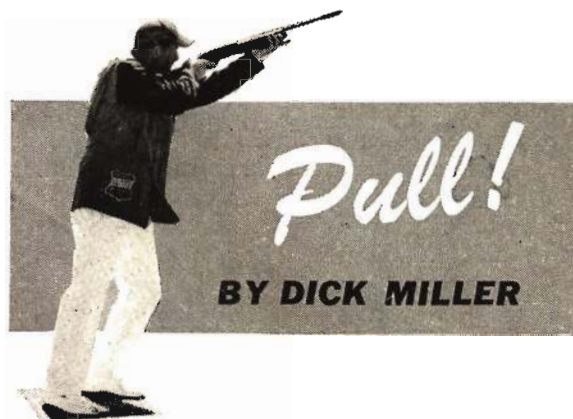
Wind force is measured in miles per hour of its travel. The higher the wind force or velocity, the greater the effect on the course of the bullet. It is extremely difficult for the shooter to determine the exact velocity of wind, but a few simple facts will help.

A three miles-per-hour wind can hardly be felt. Only smoke drift will show it. A five miles-per-hour wind can be felt on the face, and leaves begin to rustle. It can be called a gentle breeze. A ten miles-per-hour wind can be called "fresh." Leaves and small twigs are in constant motion, and small flags are extended. At 15 miles-per-hour, the wind begins to raise dust and loose paper. Small branches are moved, and wind at this speed would be called strong. Small trees in leaf begin to sway when the wind is blowing at 20 miles-per-hour, and you have to settle your hat tighter on your head. This wind is called "very strong." Accurate distance shooting with a .22 in such a wind is difficult.

Assuming you are standing in the position of the number six on your watch, a 20 miles-per-hour wind at 1, 5, 7, or 11 o'clock will deflect a .22 caliber Long Rifle bullet as much as .92 inches at 50 yards. At 100 yards in the same sort of wind, the bullet would be deflected as much as 3.42 inches; and at 200 yards as much as 12.92 inches.

Winds at 2, 4, 8, and 10 o'clock have a greater effect on the bullet, and 3 and 9 o'clock winds affect it still more. In a 3 or 9 o'clock 20 miles-per-hour wind, the .22 bullet would be deflected as follows: 50 yards, 1.85 inches; 100 yards, 6.83 inches; 200 yards, 25.85 inches.

These figures show the importance of careful consideration of wind conditions and the necessity for making proper sight or aiming adjustments.



JUNE AND JULY are two months for trapshooters to "get hot" in state championship shoots. Twenty-nine state championship events will be decided in June and July. Two zone shoots will be held in July: the Eastern zone at Fayette Gun Club, Uniontown, Pennsylvania, July 30-31, August 1-2; and the Southern zone event on the same dates at Jefferson Gun Club, Louisville, Kentucky.

The Kansas, New Jersey, Ontario, and Saskatchewan titles will be determined during the first week of June. The Kansas event runs from June 4-7, at Wichita Gun Club. New Jersey and Ontario share the dates of June 5-6-7. The scenes for the two events being Asbury Park for New Jersey, and the St. Thomas Gun Club for Ontario.

Nebraska, Ohio, Tennessee, and Texas kick off their state trap tournaments on June 11. The Nebraska event, at Central Nebraska Gun Club, Doniphan, runs from June 11 through June 14, as do the Ohio and Texas tournaments. Ohioans gather at the Middletown Sportsmen's Club; and Texans will converge on the Amarillo Gun Club.

Tennessee will run off its state program in three days, the 11th, 12th, and 13th, at the Knoxville Gun Club. Illinois will require the five days from June 17 through June 21 to return all the winners, from Pines Gun Club, at Streator. Pennsylvania has scheduled a four-day session, June 18-21, and the site, South End Gun Club, Reading. Colorado's championships, at Denver's Municipal Trap Club, occupy the dates of June 19-20-21. North Carolina likes the same dates, at Durham Wildlife Gun Club.

Alaska, Maryland, South Dakota, and Wyoming will wait until June 26-27-28 to learn who are the state trap toga winners. The 49th state's winner will be returned from firing at Anchorage. Maryland's best will come from the test at Oriole Gun Club, Baltimore. The brightest shooters from Sunshine Chapter Izaak Walton Gun Club's grounds at Pierre will shine for South Dakota. Wyoming's best will be decided at the Cheyenne Trap Club.

Kentucky and Virginia will blend their state trap championship shots with firecrackers. The bluegrass state event holds forth at Latonia Gun Club, Covington, July 2-5. Virginia gunners straddle the Fourth, shooting at Winchester Gun Club on July 3, 4, and 5.

Minnesota, Montana, and Oklahoma all liked the dates of July 9 through 12. Scene of the Minnesota test in Twin City-Hopkins Guns Club, Minneapolis. Montana will return its sharpest shooters from a shooting match at the Billings Trap Club. Michigan's mightiest will be tested at Berrien County Sportsmen's Club, for the three days of

July 10-11-12. The Berrien County lay-out is at Arden, near the twin cities of St. Joseph and Benton Harbor.

Hoosiers will hurry to Indiana Gun Club, on the east edge of Indianapolis, July 16 through 19. A District of Columbia congress of trapgunners convenes at National Capitol Trap and Skeet club, Rockville, Maryland for both days of July 18 and 19. New York's best will be decided at Buffalo during a four-day stint, July 23-26.

West Virginia and Wisconsin winners will be returned on the dates of July 24-25-26, West Virginia's from the Greenbrier Gun Club at White Sulphur Springs, and Wisconsin's from the Waukesha Gun Club. Iowa's tallest from the tall corn country will be measured at Cedar Falls on July 30-31, and August 1-2. Other top-flight trapshooting events, in addition to state and zone shoots will help warm the atmosphere in June and July. Billings Trap Club, Billings Montana, hosts its fourth annual 500 target marathon June 6 and 7.

The Northwest Iowa Zone shoot at Ft. Dodge Gun Club is an attraction for June 13 and 14.

The Sioux Indian (shooting Indians, not real war-paint Indians) shoot brings braves and squaws to Graceville Minnesota Gun Club for a three-day pow-wow June 19-20-21. Route 40 Gun Club, Pataskala, Ohio has scheduled special events for both June and July, honoring Al Chalfont on June 27-28, and H. E. White on July 25 and 26. The Hawkeye Handicap will test trapshooting eyes at the Fort Dodge, Iowa Gun Club, July 11 and 12.

Canuck gunners have a special treat in July, at the Edmonton Gun Club, for the Canadian National Championships, July 2, 3, 4, and 5. Trapshooting is growing by leaps and bounds in Canada, and the Canadian gunners are a real threat in the Grand American, to be held at Vandalia, Ohio, for the 60th year, in 1959, August 24 through August 29.

SHOTS DOWN THE LINE

Waukesha Gun Club, Waukesha, Wisconsin, is one of the nation's most outstanding and most active gun clubs. Why the Waukesha club holds this distinction is not difficult to understand, after reading a club bulletin.

The Waukesha club designated April 5 as new member's day. New member's day featured a shoot on class basis and included either trap or skeet, so every new shooter fitted somewhere in the picture. A team shoot on new member's day was arranged so that a good performance by a Class E shooter counted just as much as a 50

(Continued on page 64)



Shapes Of Things To Come

**DARDICK GUNS COMBINE NEW-OLD
SHAPES WITH OLD-NEW FIREPOWER CONCEPTS
IN UNIQUE PISTOL-RIFLE-CANNON DESIGN**

Rotor mechanism bulks inside alloy "clamshells" of Dardick double action gas-assist pistol.

THE DARDICK GUN is stirring up a controversy in many quarters of the gun world today. Announced at the NRA show two years ago, the radical pistol-rifle using triangular cartridges has been a source of more commotion among gun fans than a cat at a dog show. Heralded as the gun to obsolete all other firearms, the rotary auto-assisted double-action pistol of New York ordnance engineer David Dardick—himself no stranger to controversy in the arms field—has created a big fat question mark in the minds of waiting shooters.

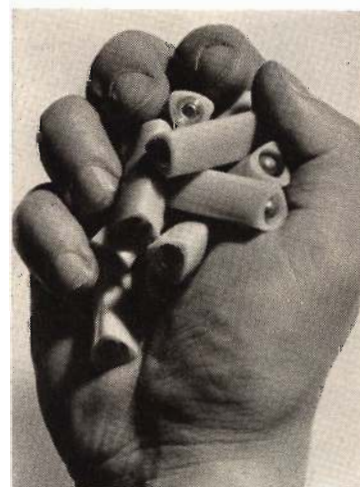
When the gun was first unveiled in 1957, information on its development had been gathering in GUNS' files for several years. But Dardick and his associate, well-known arms engineer Melvin Johnson (Col. USAR, Inact.), asked us to hold off until there was "really something to report." Now, at last, there is "something to report:" the first production models of the Dardick Gun came off the line at the Dixwell Avenue factory in Hamden, Conn., in May, '59. And there is definitely a "story" here in many ways. It is partly a story of a man and a dream.

The man is slender, engaging, enthusiastic David Dardick. Dardick before WWII was associated with the development of the American Armament 37 mm automatic aircraft cannon. When I visited the plant in Hamden, Conn., I saw a basement full of models of these interesting relics from (*Continued on page 52*)

By WILLIAM B. EDWARDS



David Dardick (at right) shows pistol assembly being put into rifle-butt group to machine gun specialist, consultant Mel Johnson.



Handful of Fortiflex cartridges called "trounds" because of unique shape stack into magazine in rows as shown by diagram of Dardick open-chamber firearm.

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ELMER KEITH SAYS

(Continued from page 8)

hand. The action has two conventional heavy guard screws, one at front and one at rear of receiver, with a generous recoil lug on the front one.

Safety is positioned same as on the Remington and Enfield. It is perfect as to position, but is a flat plate that locks both sear and striker and is very hard to pull on. It will release at a touch. In fact, it releases far too easily to suit me, and I believe Roy will have to redesign this safety and come up with something like the Remington 725 or Enfield 1917 safety. This safety is the only real criticism I have of this very fine rifle action, and am sure it can and will be improved over this pilot model I have been testing.

Bolt and magazine follower are beautifully Damascused. Trigger guard and floor plate of this rifle is gold plated and carries some engraving to break up the plainness. The receiver, bolt handle, and barrel have the finest polishing and blueing job I have seen on any rifle for a long time. The barrel is 26" long but very light and of most perfect shape and contour for burning the huge powder charge effectively. It has six narrow lands and wide grooves, is very highly polished inside and out and is made of Timken barrel steel.

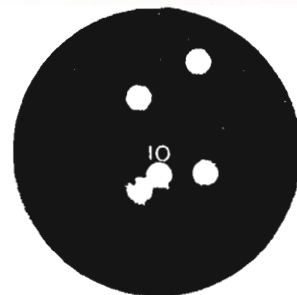
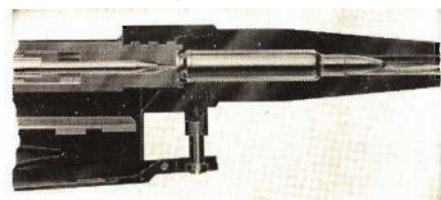
Rear end of receiver comes back over the top of the grip like the later Model 70s and



Mk V bolt with nine lugs shrouds case base for great strength; aids shots to group under 2" (rt., 1 5/8") at 100 yds.

Remington 725s, so it will not set back and chip a stock at top of grip. The rifle is beautifully stocked in fine figured wood. Butt stock is my old design of 30 years ago to the letter, and proven over the years to be the most comfortable stock of all for rifles of sharp recoil. The Monte Carlo comb is higher at rear than at nose of comb and, with the big comfortable cheek piece, simply slips out from under the cheek bone in recoil. Cheek rest and comb are also just the right height for the scope sight. The bottom of grip cap is flared for sure grip. Forestock is a radical departure from my own design, is rather flat on bottom and wider at bottom and then tapers up to narrower form at the top. The sides are rather flat. The tip is of a contrasting colored hard wood, square on the front end but sloping back at the top toward the barrel. All told, it is a comfortable and hand filling fore end, affording excellent grip without bulk or weight. Grip cap is also of a dark contrasting hardwood with ivory diamond inlay. A good recoil pad and excellent detachable sling swivels complete the stock. Grip and fore end are artistically checkered. It is a very light, handy rifle that balances and handles perfectly and will fit 90 per cent of the shooters just as it comes from the factory. Finish and inletting are very good for a production-line quality sporting rifle.

The rifle is chambered for the Weatherby .300 magnum cartridge and is free-bored a short distance. I never did believe in free-boring or in over-bore-capacity cases. This huge capacity case will work well with 4831 powder and long heavy bullets, but I for one would prefer a case of less capacity and a proper bullet seat, to the big case and free boring, necessary to allow the bullet free jump to cut down initial pressures. In spite of the free boring and huge powder charge, the rifle shoots very well, and is extremely flat in its trajectory. In fact, it is one of the flattest shooting rifles I have used with 180 grain bullets. It actually seems to shoot closer out at 300 yards and beyond that it does at 100 yards. My last two 100 yard groups can be practically covered with a silver dollar at 100 yards, but the very high velocity bullet is no doubt still gyrating some at this range and I suspect it would shoot smaller groups at 200 to 300 yards than at 100 yards, as is true of our .285 O.K.H. Duplex load with 180 grain



bullets. I never did make any very small groups with the 285 O.K.H. 180 grain Duplex load at 100 yards, but out at 300 yards have shot a good many five shot groups that could be covered with a silver dollar. I suspect this Weatherby 300 magnum may well do the same.

After shooting groups at 100 yards from a bench rest, I turned the rifle on rocks the size of coyotes and jack rabbits at 300 yards, busting them all, with the spotting scope showing the hits very close to center. Next, we tried it out at 600 yards. The rifle was sighted to shoot about 4" high at 100 yards and was dead on at 300 to 325 yards. At 600 yards, it seemed to have only about 12 to 15" drop, and I was able to make hits on small objects no larger than a jack rabbit by holding about that much over from a sitting position.

Incidentally, the front sling swivel is placed about right for perfect prone shooting with sling. All told, I would say this rifle gives very good hunting accuracy and would be dynamite on sheep, goats, caribou, or antelope at long range. I do not, however, share Roy Weatherby's enthusiasm to the extent of recommending it for everything from elk to elephant. It will be and has proven very destructive to meat on all

(Continued on page 64)

"MISTER DILLON" GETS HIS BUCK

(Continued from page 17)

yore way, ner nuthin'..."

He winked at Milburn Stone and Amanda Blake as he said it, and I thought he was kidding. But—he did it! The gag about his leg was just a gag, of course; although he plays the part of a cripple on "Gunsmoke," Dennis Weaver is 6 feet 1 inch tall and an athlete of real ability. He loves shooting, and would do his full share of it during this week-end; but he is not a hunter. When we rolled out of camp next morning, "Chester" awakened only to toss out a few disparaging remarks about "idiots who would leave a nice warm sack to go sky-hootin' over a mountain to scare a lot of inoffensive animals." In the pre-dawn chill, before the coffee was ready, I wasn't sure he wasn't right!

Three A.M. is an unholy hour, no matter where you face it; and it was just 3 A.M. when Warden Leavitt's pick-up came roaring into camp next morning, as inexorable as death or taxes. The early morning air was cold and heavy with moisture. In spite of his last night's excitement, even Jim Arness—drugged with sleep like a small boy on a school morning—grumbled sleepily for "just a few minutes" before crawling out of his blankets. But once he was up and fully awake, he was eager. Armed with a cup of steaming coffee and with a heavy Army blanket draped over his shoulders, Jim made a hurried check of his hunting equipment.

He would, he had decided, carry the Remington .280 this morning. The choice hinged largely on the scope. The Finnish Sako .270 had not yet been fitted with its scope, and Jim figured that the dull early morning light would put a premium on the brilliance and light-gathering qualities of the Balvar 8. In this country where the shot offered might be at any range from point blank to long, the variable-power feature of the Balvar might come in handy too. This was something Jim had never tried under actual hunting conditions, and he was eager for the opportunity.

Veteran Los Angeles sportsman Charles Bewley, Warden Leavitt, Jim Arness, and I made up the party that drove in Leavitt's pick-up to a hay field not far from the outskirts of the village. We turned there and followed a rutted ranch road for several thousand yards, up hill, along a narrow strip of pasture land bordered by brush and timber. The road was crisscrossed with deer tracks, many made within minutes of our passing, according to Leavitt. "They heard the truck," he said, "and spooked into the timber. We could stop right here and put meat on the table. But there's better places up ahead. I'm going to put this moving

picture hero where he couldn't miss even with a pistol."

Arness chuckled. "You do that," he said, "and it'll be a question whether I shoot him or he horns me." He winked at me over his shoulder. "He's just tryin' to make me sorry I spent good money for a flat-shootin' rifle and a scope. You see that old relic he carries?"

Leavitt snorted with pretended indignation as I glanced down at the battered, 30-year-old Winchester .30-30 the Warden had brought with him. "Relic, eh? I've carried that rifle since I can remember and killed more deer with it than you could count!"

"And how many Indians?" Arness asked mildly. "That gun looks like it might've been with Custer on the Little Big Horn."

"Just you don't miss," Leavitt said, grinning, "or I'll drop him after you've emptied your rifle!"

The rutted track ended abruptly and Leavitt let the truck roll to a stop alongside the timber. "No more gravy train," he told us. "From here on, you dudes will have to walk."

The pick-up creaked and tipped as Arness stepped out of it. Dude this big man might be in the Western parlance, but he was far from fancy. In the old blanket still draped over his shoulder, he looked like a vastly over-size squaw as he uncased his rifle, checked it, and started sliding cartridges into it. I asked him what he was loading and his answer was quick and thorough. "Remington Kleanbore, 150 grain, pointed, soft point Kore-Lokt. I've used 'em before, but not in this caliber. Fact is, this whole outfit is new to me, far as real game shootin' goes. Makes me sort of, you know, nervous."

I've felt nervous too, of an early morning, with the prospect of game ahead of me, and companions before whom I'd not like to look foolish. It was nice to know that "the big guy" had the same feelings. He wasn't cocky in another way, either: I noticed that he put a half-dozen extra loads into his coat pocket.

Meanwhile, Leavitt had loaded his .30-30, I had draped myself with a couple of cameras, and George Bewley had hung a 16 mm movie camera over his shoulder. Leavitt led off with Arness, since they carried the only guns in the party, and Bewley and I followed.

Slowly, silently, we moved higher and higher, stopping frequently to listen, checking the tracks that were thick wherever the ground showed bare to record them, keeping carefully clear of the open areas. Forty minutes of this brought us onto a well worn

game trail coming down between two hundred-foot-high knobs where a canyon opened down into the hay pasture. Leavitt knew his business; knew the country too; there was no doubt about it. This was a spot hunters dream of.

At this point, at Leavitt's suggestion, we split forces. Arness would take stand further up-slope, where he would have first crack at any game moving down from the timber. Leavitt, Bewley, and I would set up our stand on the other side and somewhat lower, to shoot or take pictures or both, and also to shove any game coming up out of the pasture over toward Jim's position. All of us, by now, had fallen for the big guy's "homey" charm and we didn't want his first hunt in years to be a disappointment.

We waited, and waited. Game was moving; we heard and, as the light cleared, even caught a couple of distant glimpses of that movement. But my watch had ticked off an hour and forty minutes before we heard the sharp crack of a shot from Jim's stand above us. One shot... then the swift clatter of frightened hoofs and the rustle of brush as something plunged toward us down the canyon. Five does and fawns came rocketing out of the brush up-slope from us, hit the trail we were watching, then caught our scent and wheeled east up the opposite hillside.

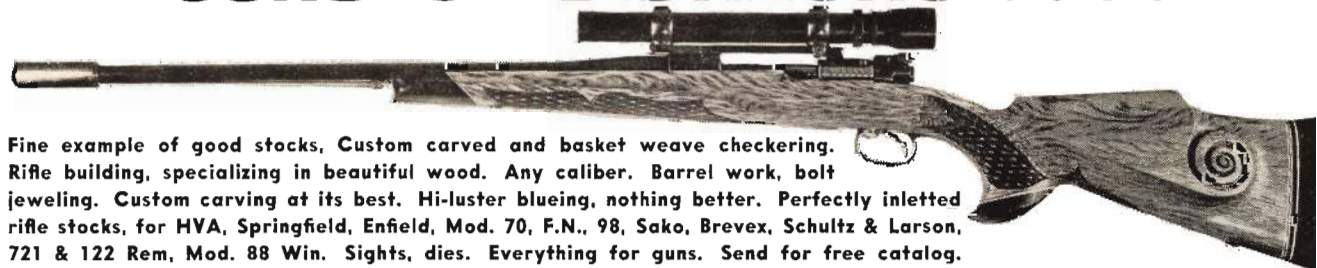
"One shot," Leavitt murmured. "That's good as far as it goes, but—you reckon he let the does spook him? I doubt it; he's too cool and easy goin'. And there should've been a buck with 'em. Question is, did he hit it—or miss it?"

We got our answer. A blood-curdling yell echoed down through the timber, and Leavitt's face split into a wide grin. "Only two animals big enough to make that much noise," he said. "One's a bull moose, and the other's Matt Dillon. And there's no moose in these mountains. Let's get movin'."

We started up-canyon, Leavitt whistling occasionally and then changing course slightly as Jim's "ho" came back to guide us. It didn't take long to find him, standing big and all grin beside a dead buck that had made just two jumps after Jim's bullet hit him. I know it's hard to picture Jim Arness small, but this was no seven-foot gun-slinging Dodge City marshal; to me, he looked like a big, proud-as-a-peacock kid standing over his first sling-shotted rabbit.

But the evidence as we studied it pointed to a pretty savvy hunter. The buck and does had come into sight a considerable distance from Jim's stand, but he had waited, made his shot at about 40 yards. The dead buck lay a measured 140 feet from Jim's shooting position. The bullet had struck high in the

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lung area, and the 150 grain Core-Lokt had done the business. I doubt that the buck even heard the report of the rifle.

We headed back for camp; proud hunters, with "meat for the table." But the shooting was far from over. Before we ever reached camp, we heard the sound of firing, and when we arrived, Amanda Blake and Milburn Stone and "Chester" were wrangling fiercely over their respective skills on tin can targets. They took time out to admire Jim's buck, but "Doc" and "Chester" agreed that they'd had more shooting "right here, without climbin' no mountains."

There was a lot of shooting during the remainder of our stay there. Milburn Stone had a Remington 552 Speedmaster .22 with which he consistently out-shot Dennis Weaver, whose pet was a Remington 722 with Lyman scope on a Pachmayr Lo-Swing mount. But everybody's favorite for nickel-a-shot can competition was "Miss Kitty's" little der-ringer—a German copy of the old "gambler's friend." Reason everybody liked it: nobody could shoot much better with it than anybody else, so the odds were even.

We burned up a lot of ammunition, one way and another. Score: one buck, a lot of battered tin cans for burial, and a lot of enjoyment. A lot of guns pop on "Gun-smoke," and maybe you'd think that "Gun-smoke" people would be sick of the smell of powder. But they're not. It is agreed that, the next time they can wangle time off from the program, they'll have another shooting vacation. "And next time," Jim says, "I'll bring my Single Actions. With them I can beat Kitty and her durn pip-squeak pistol!"

HANDLOADING BENCH

(Continued from page 13)

Unlike messy black lube, it's clean to handle. Out tests show it won't melt out at over 200 degree F., which is hotter than a Texas summer. Seeping lube is a major cause of "slow" handloads or misfires. A popular alloy bullet is the Lyman-Keith No. 454424. Keith's load of 18.5 grains 2400 shoots okay, but the paper thin cylinder walls make me nervous with more than 17.5 grains. 2400 *doesn't* burn completely in short barrels.

Lyman's handbook lists 7.8 grains Bullseye with this bullet. I found it erratic, and consider it too hot. High pressure was indicated in a new S.A. .45 Colt, which I think is stronger than a conversion. 6.7 grains give 80 fps, which is hot enough. 10.2 grains Unique give 975 fps. Both charges are heavy, and you'll find 5 grains Bullseye, kicked off by CCI primers is the best shooting load. CCI primers are specified because they give perfect ignition for match accuracy. Designed especially for handloading, they have passed drop tests, heat, cold, and every other test I can give primers with flying colors. They help correct variations in primer seating, which is very important.

The best commercial cast bullets I've seen are made by Accuracy Bullet Co., 40 Willard St., San Francisco 18, Calif. They supply the Lyman-Keith bullet, perfectly cast, sized, lubed and inspected, at \$3.90 per 100, or cheaper in quantity. Their "Copper Coated" type is better for higher velocity, and costs \$.90 per 100 extra. This is a copper plating over nickel plating, and can't be scratched with your fingernail like copper washed factory pills. It eliminates leading. The factory uses seven SAECO thermostat controlled furnaces for bullets of uniform weight, density and hardness. An inquiry will bring you their complete list of good cast bullets.

Harvey 190 gr. Prot-X-bore pills with 7.2 grs Bullseye or 11.3 grs Unique, at 1,100 to 1,200 fps are as rough on the terminal end as Solomon's mother-in-law problem. Equally good in Colt's or S & W's, they pack the most shock per grain of weight for the velocity. Recoil is mild. I've fired 19 grs 2400, but have not chronographed it. To shoot them the first time, fire a few mild loads in a clean bore to break it in. After that it doesn't require cleaning. To cut clean holes in targets, 4.5 grains Bullseye is as mild as milk spiked with Miltown. To de-lead any barrel, fire a few squib loads with Prot-X-bore bullets reversed in the case. This tip is worth remembering.

Any round nose bullet can be reversed in the case and used with moderate charges for close range defense. They cut a full .45 caliber hole, and often tumble.

Packed with 40 grains of FFg, the .45 Colt was the Most when it came out in 1873. Colt's insured it would live for more generations when they revived the best known of all six-guns, the S.A. Army. In the daze of my early teens, shooting from horseback, I rode down and blasted many a jackrabbit and coyote with a pair of these cannons. The pony got in the spirit of things and soon learned to keep the varmints in a good shooting position. If I'm sentimental about the nice handling .45's with six appeal, it's because they served me well and were good bed-roll companions when I slept beneath the stars. You might say the next size comes on wheels.

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PICTURE-PUNCHING PRACTICE FOR GI HUNTERS

(Continued from page 28)

though they are entirely different from those back home. Out at a hundred meters—that's just about a hundred and ten yards off your muzzle—stands the "Reh." This is the German roe deer, smaller than its American cousin, and far from easy to aim at. It is a paper target, size 46 by 36.8 inches, with the brownish red deer seen from the left side, the green trees on the target blending in with the oaks along the range backstop. The deer target also has ten "rings" of which the ten ring is about four inches in diameter; the nine-to-one rings stretching backward and forward of the ten, which covers the area just behind the shoulder. The rings cannot be seen from the firing point, not even with a good target scope. You have to know where the ten is, and even to be able to hit it, to avoid losing points. Firing position is standing, but you are permitted to rest your rifle against one of the pillars supporting the firing point roof, just like you might rest it against a tree while hunting. Hitting the head of the animal, the hind part of it, or along the "edges" gives you a clean miss in points. The shooting program calls for five shots, and fifty points is often scored.

At the same distance is an ugly little black fellow, little only because he is so far away. Facing him at point blank you would find him big enough. He's the "Keiler," the wild boar, 28 by 39.4 inches in size, nearly black. With his front legs hidden in the grass, this game target certainly does not tell very much about where the ten ring is located, and they expect you to fire five shots offhand...

Easier to see is the jolly "Fuchs," the sitting fox, displaying himself atop a tree stump. He's got ten rings, too, and is in full fox color. Like the other targets, the animal is life-size, and looks very realistic in the natural colored surroundings. Firing is five shots. Positions permitted are prone, kneeling or sitting. The ten ring is four inches in diameter.

Again, there is a wild boar, but this is the hardest of them all. The distance is reduced to 60 meters, which is about 66 yards, but the "boar" is running, placed on a little carriage which slips across the six meters of visible area in a flash. Pushed by a man behind the bullet-proof wall on each side, the carriage runs on rails, and pretty fast, too. Six meters is a trifle less than twenty feet, so you have to be fast on the trigger. The man at the "arriving end" which is the left side of the run, has reason to be very happy that his wall is bullet-proof when new shooters start this incredibly difficult, but also incredibly interesting firing. The program calls for five shots, target is ten-ringed, and position is, of course, offhand.

Having finished the "Reh," the "Keiler" and the "Fuchs"—there is just one left of the standard series of targets, the poacher. The "Wilddieb," or game thief, is regarded as a major criminal in Germany, and he should not be surprised to be shot off like a varmint. German hunters usually include the poacher target in their training, and also here you may score fifty points in five shots—unless you put a bullet through the poacher's hat, which has a big "0" on it.

Shooters who are used to standard ring targets will understand, more readily than

the hunter, why a neck shot on, for instance, the deer target gives only five or six points, while it would kill the deer on the spot if one were hunting. The reason is that if you try to hit the animal behind the shoulder, and you hit up in the neck, you have fired a bad shot. That it kills, is just plain luck. The same distance off the ten-ring up or down would have missed entirely; the same distance backwards from the ten would have wounded the animal badly without stopping it at all. A head shot is nearly always bad, and does not kill the game unless it happens to go through the very small brain area. If you aim at the shoulder, and hit in the head, your shooting is not worth a single point on

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the score card. It is the same with the poacher's hat, even though what little he may have in the way of brains is very close to where your bullet went.

The targets used for the hunting type shoots are the standard targets of the German Hunting Association, now in use with the Rod & Gun Clubs of the US Forces all over the country. They are so well liked by the GI's that their hunting pals back home should not be surprised to see them brought over by returning servicemen.

A real hunting type shoot, like this one at Rhein-Main, is not complete with only the sounds of rifle shots. The program is finished by 15 shots of trap at 11 meters and the same number at 15 meters. A hit on a clay bird gives five points, and a clean 150 x 150 won the shoot.

The guns in use with the Rod & Gun club members are interesting, in that many are of European make, but in American calibers. Needless to say, the little .222 Remington is a dandy for the hunting type shoot, and is very popular in various handloads. But many of the members bring their hunting gun, and both the .250 Savage and the .257 Roberts are rather common on the range. Some shooters even bring their .30-06 rifle, and load up with 130 to 150 grain bullets for less noise and recoil. Not that the babies mind the bang of the '06. They are much too used to hearing Ma and Pa compete on the range; but a nice light caliber is what every shooter wants when shooting for fun and training like this. Yes, babies and wives are there and, mind you, the gals can shoot.

Shooting in the Rod & Gun Club is not only the men's game, and this is one of the many friendly sides of the club life. With the club house and the parking lot right at the range, the whole family can go a-shooting, junior collecting empty shot-shell boxes (all cases go to the handloading bench, at least on the rifle range) and tiny few-weeks-old sister or brother sleeps in the car. Having finished the deer target, mother walks over to the car to find out whether her pride will sleep long enough to permit five shots on the wild boar. That Sunday afternoon on the Rhein-Main range, Olympic champ Art Jackson, who is a very active member of the club, scored 49 on the sitting fox. But Mrs. Jackson shot tens, a possible!

Captain John Porasky, an old hand in the hunting type competition, fired the possible

on the trap range, which brought him the Hi-Trap trophy, and wound up with a total score of 332 x 350, which also gave him the First Prize of the shoot. Art Jackson's 186 x 200 on the rifle targets secured the Hi-Rifle trophy, along with first place awards for 50 x 50 scores on the standing deer and the standing boar. First on the running boar was Captain James Vann, dropping only two points in the five shots. Captain Vann also took second in the High-Aggregate scoring, and second in the trap shoot.

Some of the prizes were set up by the club, and some donated by various firms



Mrs. Jackson in relaxed, solid sitting pose levels .222 Remington at the fox.

from which the Rod & Gun Clubs purchase their sporting goods. First prizes were beautiful silvered plaques with hunting scenes. The first Hi-Aggregate prize showed members of a hunting club training on their target range in a richly detailed relief complete with black wooden frame and silver nameplate. Other winners walked away with several boxes of handloading components, and of special interest was the so-called "wurst" prize, a pair of excellent binoculars, for the shooter who fired the day's lowest score.

The prize-awarding ceremony is held in the club-house. By the time it is finished, a couple of snap-shots taken for the club files, and the always interesting discussion of scopes, rifles and suitable loads for the next shoot is over, it's time to drive home for dinner, another nice day on the range has come to an end.

Speaking of dinner, being a guest during one of these shoots, you will most probably be invited to one of your friends' homes for a meal, and he will proudly show you his row of hunting trophies on the wall. Don't be surprised, then, if he points to a beautiful pair of "Rehbock" antlers, saying: "And this one is my wife's trophy—best of them all. She shot it from the *Hochsitz* this year, and even mounted it herself." This is the spirit of the American Rod & Gun Clubs in Europe!

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HOW TO BE A PISTOL CHAMP

(Continued from page 23)

and a roof, four panels consisting of a wood frame on which is attached corrugated roofing iron, bolted together and anchored to the ground. The other end of the fenced-in range holds two large steel bullet traps with target frames.

Usually by May and thereafter through October, all my shooting is done outdoors. I generally try for serious practice here, running through the regular National Match course of fire with each gun: .22, center-fire, and .45. This is undoubtedly my best practice, since it includes familiarization with the course as well as with the guns and ammunition. My range is equipped with turning targets, so I can practice the timed and rapid fire stages. After such training, I can space my shots over the allotted time without hurry or strain. This seems to me very important, and my match scores reflect my confidence in timed and rapid fire.

My biggest problem is keeping myself supplied with ammunition, and I spend many evenings at home over the loading bench. It takes a lot more time to load cartridges than to shoot them! But loading is fun, too, since you are always seeking a load that will add a point or two to your scores.

Dry firing is a form of practice that many shooters adopt for lack of a place to shoot or the time for actual shooting. I am a bit hesitant about snapping my guns dry, but sometimes dry firing is absolutely necessary, to check trigger squeeze and sight alignment that cannot be evaluated wholly during actual firing. Some shooters have special dry-fire guns—mates to the ones they shoot. Dry firing a revolver can provide practice in all the stages of firing, but dry firing an automatic is useless except in slow fire practice.

Of course, the highest form of practice, and the only way to get "match conditioned" is match shooting. Shooting in one match is the very best way to prepare for the next one. Practicing by yourself can give you a "grammar school education" in shooting, but to get that "college degree" you've got to shoot in competition. I try to enter all the pistol matches I possibly can, time and money allowing.

Proper equipment is a prime requisite for any shooter who wishes to reach the top, or even near the top. Buy the very best handguns you can afford, including the very best accessories and gunsmithing that are also needed. I cannot emphasize this too strongly: the target handgun must be the very best. Its accuracy must be beyond question, and it must be reliable and alibi-free.

Only recently, I purchased the new Smith & Wesson Model 41 .22 Match Automatic which I now use for match shooting. It took me some time to get used to it, perhaps because, knowing that Smith & Wesson had spent many years designing, testing, and manufacturing this new pistol to be a composite of all the best and most desirable features that a .22 caliber target pistol could have, I expected it to do the shooting for me—forgetting that I must first master the gun. Now, I believe this Model 41 S&W to be the finest .22 target pistol made today—for me. The Hi-Standard Supermatic which won many of the medals and prizes adorning my home is a better gun than I am a shooter,

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and it was my fault if I did not make perfect scores with it; but sometimes a new gun will help correct tiny faults a shooter wasn't able to identify with the old one, and this may have happened with me and the Smith & Wesson. I have not tried Hi-Standard's newest pistols, but they must be all right because many top shooters are using them with complete satisfaction.

For the center fire matches, I use the Colt .357 Python. There are several reasons why I prefer and use this revolver; but there are a couple things I dislike about it too. It is without question Colt's finest revolver, with the brilliant smooth finish and silky smooth mechanism. Although the Python is chambered for the .357 Magnum, I use only .38 Special cartridges in it for target shooting. It is the easiest revolver to cock that I have ever used, and it makes the timed and rapid fire matches a cinch to fire. But I guess no serious shooter is ever quite satisfied with a gun "as is," any more than a sharp dresser is ever quite happy with a ready-made suit, and I would like to change the Python's sights. The front sight does not stand out above the rib enough to suit me; either the rib should be lowered at the muzzle, or both front and rear sights should be raised about 1/4th inch and the front sight undercut. I dislike changing anything on such a fine gun, but eventually I probably will change the sights and possibly the grip. Before getting the Colt Python, I used the Smith & Wesson .38-44 Outdoorsman target revolver for years, unchanged except for Herretts target grips. Like the High Standard, it was perfectly capable of better scores than I made with it; I was just looking for a change and the Python caught my fancy.

For the .45 caliber matches, I use a Smith & Wesson Model 1955 target revolver, unchanged except for custom-fitted Herrett grips. There are two basic reasons for my choosing the .45 revolver instead of the more commonly used automatic. First, of course, is my personal love for a cylinder gun. Secondly, though probably more important, is the reloading angle. I have been using revolvers all my life, so managing the cylinder guns through the timed and rapid fire stages is no trouble at all for me, and this is perhaps the main reason most target shooters use the auto. Reloading for a .45 caliber target revolver, while not particularly any easier than loading for a .45 auto, is more practical—because the fired cases are ejected into my hand, while the .45 auto throws its empties all up and down the firing line. Being able to save my fired cases means a big savings in ammunition cost.

It is a fact, however, that a properly tuned and accurized .45 automatic is easier to shoot and more accurate than the best .45 caliber revolvers. Several years ago, in quest of higher .45 scores, I spent considerable money and time on a .45 Colt auto, accurizing it and fitting target sights and grips. I used it a great deal for a couple years, but was never quite happy with it, probably for the reasons stated above. So I changed back to the revolver, since I am sure that my scores have not yet reached the peak of my ability with a revolver.

Please do not get the impression that I am recommending that anyone throw away his .45 auto and get a revolver, or that if you are starting in the target shooting game you should start with a revolver. I'm simply saying that I, personally, can shoot the re-

volver better than the auto in the .45 caliber matches. I believe that every new target shooter, or any shooter desirous of improving his .45 scores, should try both the .45 auto and .45 revolver and then decide which gun to adopt, as I have done. I may have to use the .45 auto again in order to reach the highest possible scores; but for the present at least, I'll stick to my cylinder guns; and the Smith & Wesson Model 1955 Target is factory-customized for the serious target shooter, featuring a wide trigger and hammer spur, target grips that will fit most hands, a smooth action, and a wonderful trigger pull. Nothing need be done to it.

Nowadays, many top flight target shooters are making an effort to standardize the type of handguns used in the three matches. More and more shooters are using a custom-altered .38 Special automatic in the center fire matches where once only the revolver reigned. If you find that you are able to shoot the .45 auto better than the revolver, then it is most likely you can also shoot better with a .38 Special auto, and by so doing will be shooting three autos with similar grips, sights, and balance. Of course, these .38 Special autos have to be custom built from a .38 Super Colt or even from a Colt .45 auto. (Any of the expert pistolsmiths doing .45 auto accuracy work can also fix up one to shoot the .38 Special wadcutter cartridge.) It has been rumored that Colt probably would have a commercial target model .38 Special automatic ready as a mate to the .45 Gold Cup. There was also a whisper about that Smith & Wesson might try to make a .38 on the frame of their .22 Match auto; but so far nothing has appeared.

While on the subject of mated guns, I've been asked, "Why, since you prefer a revolver in the .38 and .45 matches, don't you use a revolver in the .22 matches?" That is a hard question to answer. I believe that the .22 automatic has been much farther developed towards precision target accuracy than has the .22 revolver, if only because each cartridge is centered concentrically to the bore with the bullet against the rifling. Most shooters are of the same opinion, and it is very seldom that anything other than an automatic is seen on the firing line during the .22 matches. Too, the .22 case cannot be reloaded, so it does not bother me to see .22 hulls go sailing through the air, as it does my .38 and .45 hulls. I am a revolver man, but I'll put up with the .22 automatic as a necessary tool.

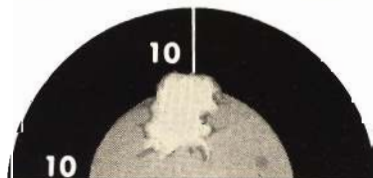
Accessories for the target shooter's handguns are big business and so is the gunsmithing in these pistols. As stated earlier, very few shooters are completely satisfied with a store-bought target handgun. I have probably fewer gimmicks and changes on my guns than the average match shooter. Actually, on the three guns I now use, two have special grips and no other "extra," while the third is pure factory issue. But this has not always been so; I have spent considerable sums of money on special sights, grips, gadgets, and gunsmithing on many of the guns I've used.

No matter how much a shooter practices, or what guns he uses, neither will do him much good without accurate ammunition. To enjoy target shooting and to get someplace in the competitive ranks, you need lots of it, and it has to be good. Accurate handgun ammo can be purchased over the counter, but the quantities needed for extensive

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practice and match shooting can run into money, especially in .38 Special and .45 ammo. Therefore, the majority of match shooters take up hand loading, or have hand-loaders supply them. Some shooters hand-load only their practice ammo, and for match shooting use commercial target loads or buy match loads from a custom hand-loader; but for most shooters who have to furnish their own ammo, handloading becomes almost a necessity. No other shooting sport requires as much practice.

For me, there is a whole lot of self satisfaction in handloading clean, perfect, accurate handgun ammunition. I spend many hours in my basement loading room, putting together enough ammo to keep me supplied for practice, hunting, and match shooting. My equipment is fairly modern, although not speedy, but I am able to turn out several hundred rounds in a long evening. Loading techniques are easily mastered; my young sons know how and often help me with this chore. Depriming cases, resizing, powder charging, and seating the bullets is no trick even with simple loading tools, and is quickly and easily done with the modern turret tools. Good accurate ammo can be loaded by 'most anyone. I insist on perfect handloads, which must look as well, and shoot better than commercial ammunition. This calls for more than just ordinary loading practices: thorough inspection and treatment of the fired cases, and, above all, perfect bullet casting.

There are more than 300 medals and trophies adorning my home, won since I started match shooting in 1952. I love match shooting; yet as I said earlier, my participation in matches is complementary to my use

of the handgun for hunting. If I had to give up one or the other, match shooting would have to go. Match shooting is not secondary to hunting in my esteem; it is a continuation of a wonderful sport and pastime. If more sportsmen were exposed to handgun target shooting, it would become the fastest growing sport in the nation.

Match shooting has gotten "under my skin," and I look forward to the next meet with eager anticipation. During the summer months, matches offer an exciting opportunity to pit your skill against other shooters. But it is a year-around sport. During the fall and winter, I hunt small game with the

handgun. My game is mostly cottontail rabbits and squirrels, which I hunt locally throughout the open season. Properly prepared, both are delicious eating, so only head shots are attempted. My handguns also provide me with sport shooting at pests throughout the entire year. Jackrabbits lead the list, and on these I use the biggest of the big bores, loaded to the hilt. My smallest live target is the ground squirrel, which are very numerous in my section of the country. I also take the big snapping turtles, which are mighty fine eating; and I have bagged many grouse while hunting deer in the Minnesota woods. Eventually, I plan on extending my handgun hunting to big game.

My favorite hunting handgun is the old Single Action Colt. I have two; one a 7½ inch .32-20, and the other a .38-40 with a short barrel. These two revolvers have accounted for the majority of the game I have killed in the last few years. My old Smith & Wesson K-22 has also accounted for a lot of table meat.

My two young sons are growing up fast, and I've taught them the groundwork in basic pistol marksmanship and the all-important safe gun handling. By shooting kitty-corner, we can manage a 25 foot range in the basement of my home, and under my watchful eye, my eldest boy has been doing real well on targets. He has learned what sights are for, and has developed good control over the trigger.

This past fall, he accompanied me on many squirrel hunts, and he has taken his share of the game. If his interest and skill improves with age, in ten years I'll have someone in my own family beating me with a handgun.



"Ever since white man start shoot guns, we get this crazy weather."

BULLETS BY THE BILLIONS

(Continued from page 20)

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was also improved by adding non-corrosive non-mercuric priming and modern nitro-cellulose powders. The GI ammunition thus prepared was nothing less than a match quality cartridge, good enough for International target shooting, and still uniform and strong enough for working in all types of automatic guns. The velocity was stepped up and the army snipers especially felt a lot more efficient with the new ammunition.

Neighboring Norway was invaded. As events proved out, Sweden was to remain out of it, but her woods and valleys still resounded with thousands of shots fired from rifles and machine guns in intensified civil defense programs. The army, navy, and air force, the military and civilian shooting associations, all were using the same arms and the same ammunition. The Norwegian Norma plant had been stripped by the Germans, but at the Amotfors, Sweden, factory 800 men and women worked full speed turning out the old reliable 6.5 x 55. Additional tons of 9 mm Luger cartridges for submachine guns and pistols were sputtering from Norma machines, and the 7.65 mm or .32 ACP was turned out for the police forces. Fortunately for Sweden, the German war machine did not cross her border from Norway, but many Swedes and Norwegians in the resistance carried Norma ammunition across as they skied over the border swiftly at night, with compact submachine guns smuggled into Norway under their coats.

When the war was over, match and hunt- ing rifles came into use again, along with

the military rifles of the Rifle Association. The demand for military ammo continued strong, because the Rifle Association and shooting programs had burned up so much during the war training programs. A new demand was felt from other parts of the world for sporting cartridges.

In almost every country, hunting ammunition was short, due to the war effort. Shooters of all nations expected neutral Sweden, and Norma, to solve their ammunition supply problems. Big game hunters needed the old, reliable, standard cartridges; handloaders needed brass and bullets. Orders began coming in to Amotfors from all over the world, and these orders presented new problems that taxed the skill of expertly trained people, engineers, and efficient machinery.

There are about 100 different hunting cartridges more or less commonly used in Europe alone. The national service caliber of other nations is usually that country's most popular hunting load, where it is not prohibited by law. But if prohibited, then some variation of it, not quite interchangeable, is often allowed—and this creates a further distinct cartridge to be supplied. There are a few well-designed standard cartridges that are preferred the world over, by a wide margin. Others still sell but are not universally popular. European ammunition factories now divide their production into two classes, A and B. The type A will be continued in production; type B is regarded as obsolete. Here, as in the U.S., when notice of discontinuance is sent out, not all hunters agree on the calibers selected to be dropped.

The B types are mostly relics from black powder days, with case shapes and powder capacities unsuited for modern propellants. Some of them are hard to kill off. Few American hunters have heard of the 8 mm Remington cartridge. But in Sweden it is very popular, the counterpart here of the .30-30. Back in the 1880s the Swedish Army converted many of its .50 caliber rimfire rolling block rifles to take the then-new 8 x 58 rimmed centerfire bottleneck cartridge. These rifles, designated Model 89, for the year of adoption, were later sold for about \$1 apiece to Swedish hunters. That Remington rifle with its seventy-year old cartridge still accounts for a great many of the 30,000 Scandinavian moose taken each year. And it is a comfort, north of the Arctic circle, to have a simple single shot that will not freeze up, with a hammer heavy enough to bust a cap no matter what the temperature. This cartridge, like a few other types, just has to be kept available.

Old German rifles and combination guns in Swedish sportsmen's hands, and on the Continent, called for 9.3 x 72R cartridge. This is an "obsolete" design, but Germany's factories were out of business, and empty rifles and fat game in countries which had suffered from meat shortage for years made a brisk demand for the old stuff. American rifles in a variety of calibers were in every country, and the ammunition was gone, shot up or outdated. New supplies could not be had, either because of slow post-war U.S. production, or currency exchange problems. Thus, American calibers had to be added to the Norma line and, when U.S. calibers became increasingly popular in European-manufactured sporting arms, the Norma out-

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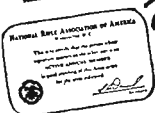
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put stepped up again. Today, the .30-06 is one of the most popular calibers in Sweden, because of the excellent .30-06 sporting rifles turned out by Husqvarna, and interest in the .270 is growing. While factory-loaded Norma ammunition continued to be made in those calibers most popular or most necessary, the factory did not neglect the handloading enthusiast.

In the Northern countries, handloading has been a popular sideline to the firearms sport since the days of the muzzle loader. With the adoption of the 6.5 mm cartridge in 1894, handloading reached new heights. The demand for something better than the rounded military bullet caused Norma to develop a pointed boattail match bullet, having a soft steel jacket clad in copper-nickel inside and out. Clad-steel jackets have been standard in European bullets because of superior penetrating qualities, and partly because in war, copper, critical metal for electrical and other uses, becomes too limited in supply for wasting on bullets. The answer to using steel jackets is Norma's "Triple-metal" sheet, steel coated on each side with a layer of gilding metal or copper-nickel alloy; each of the outside layers being about 5 per cent of the thickness.

This material is rolled when white hot through machines which bond the three layers of metal into one. The thin layer of gilding metal or copper-nickel cannot flake off, not even in the tightest barrel, and the material is rust-proof. It is then punched into cups and drawn in the same way as for ordinary jackets of pure gilding metal material. Steel must be carefully controlled all during manufacture, with intermediate annealings and other operations to maintain the correct hardness and elasticity of the finished bullet.

A natural question of the American shooter, when told about steel jacketed bullets, is, "Will they wear out the barrel?" The answer is definitely no. In a modern rifle barrel it is never the bullet that wears out the bore; it is erosion. And erosion comes from the wash of hot powder gases against the bore. The more powder you burn in relation to the inside surface of the bore, the greater is the erosion.

Modern powders and primers have little erosion; very little in comparison to earlier types. But when a barrel won't shoot accurately any more, almost invariably the reason will be that the sharp, clean edges of the lands are burned away at the rear end, where temperature is highest. Tests with different types of bullets proved the comparatively stiff steel jacket is upset less in the bore by the gas pressure, creating less pressure and friction against the walls of the bore, meaning lower temperature and less barrel erosion. With the 6.5 x 55, Scandinavian shooters fire four or five thousand shots before changing barrels—this is precision target shooting, remember, and all barrels are of normal steel quality.

The handloaders created other problems for Norma over the years. Those concerning loading tools, powder scales, powder weights were solved and handloading went on, through both wars, and still goes on. Toughest problem was to make a cartridge case that would stand a lot of reloadings; firing in guns that were not always up to standard in their chamber dimensions; resizing in dies that were worn from thousands of cases passing through them; cases that

would stand reloading time after time by hands that were not always those of an expert. Even handloaders have to learn by experience, and start from the beginning. Years of research, metallurgical and technical, cleared up the problems. Norma experts found the reason why cases cracked at certain points after 10 or 12 reloads, and changed the metal treatment to lengthen the case life to 20 shots. They also found the reason for blown guns. Among those still remembered is the shooter who put small pieces of dynamite into his powder load, because he wanted a flatter trajectory for the coming Sunday's combat shoot. Others tried match heads. But research went on, and cases were tailored for the handloader's needs. One important thing was the flash hole, or rather holes, since there are two of them in the Scandinavian cases. One is on

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each side of the built-in Berdan primer anvil.
Clean drilling of these holes proved very
important. No burrs or jagged edges should
be left, since these allow the heat from
the combustion to attack, and result in
burned-out and enlarged flash holes, which
render the case unserviceable.

The drilling operation, although slower
and more expensive than punching, was
continued when Norma started the produc-
tion of the Boxer type primer pocket, with
one central flash hole of larger diameter.
These cases, headstamped *Norma Re*, for
reloadable, are now used in sporting ammu-
nition shipped to every part of the West.

As important as the manufacturing opera-
tions in an ammunition factory are the
numerous inspections and gauging proce-
dures which every component, as well as
the finished cartridge, must pass through
before being released for sale.

First, every batch of material is tested on
its arrival. Lots for case brass pass through
a series of tests to insure that they contain
the correct compound of copper and zinc,
that the material has the correct purity,
strength and hardness to form into perfect
cartridge cases.

The special steel material which goes into
the bullet jackets undergoes special tests;
so does the lead wire from which the bullet
cores are swaged. A special branch of the
Norma factory turns out the lead wire in
various dimensions and to various specifica-
tions, to suit special purposes.

Every batch of primers is extensively tested
before it goes into the loading machinery.
The primer is the heart of the cartridge,
and large numbers of Norma cartridges are
fired against the world's most dangerous
game animals. Carefully determined weights
are dropped from various heights onto the
firing pin of a special test rig. This shows
the sensitivity of the primer, the gas volume
produced by its detonation, and the power
of the gas impulse created. Needless to say,
the primers are also passed through gauges
for correct dimensions.

In the basement of one Norma building,
there is a heavy steel door, which only a few
may pass. A large sign on it says "Danger
X-Ray." Inside the room, between heavy
blocks of lead, cases rattle through a
machine at a rate of several thousand an
hour. Control lamps light up and go out,
on panels at the sides. Guarding the machine

is a steel fence, with the sign: "X-ray,
danger zone, keep out". And behind the
machine, against the wall, there is a heavy
stack of solid lead blocks. The chief operator
explains they are there to prevent mysterious
death, if some fellow were to lean against
the brick wall outside the house while
smoking his cigarette, as the X-ray machine
automatically inspects fired cases, sifting out
those that are no longer suitable for factory
reloading.

Yes, Norma does a lot of factory reloading,
of the 6.5 x 55 case, colored silver for easy
identification. The shooters buy the car-
tridges, fire them, and return the cases for
reloading, getting paid for them as if they
were empty beer bottles. Many millions of
cases pass the factory each year for reload-
ing. The price of the reloaded, like new,
cartridge? Some 4 U.S. cents apiece.

Upon arrival, they are cleaned, inspected,
decapped, resized, passed through special
gauging machines, primed and reloaded, all
by special automatic machines, capable of
60,000 reloads per set in an 8-hour day.
Perhaps 20-25% of the cases will be dis-
carded, and have to be replaced by new ones
during the process. The end result is a like
new cartridge, which can be sold at a reason-
able price since the most expensive part
of it, the case, is re-used. Factory reloading
is a special service carried out for the
Swedish shooting clubs only, and applies
only to the 6.5 mm Berdan-primed cartridge
with full jacketed match bullet used by the
domestic shooters for target work. Hunting
ammunition is not reloaded at the factory,
only by handloaders as in the U.S.A. and
other countries, and none of the factory
reloaded ammunition is sent out of Sweden.
The export market calls for the American
type Boxer primer, which enables the hand-
loader to decap the cases with the familiar
punch built into the resizing die.

With the large quantities of Swedish 6.5
mm rifles currently being sold abroad, the
demand for the 6.5 x 55 cartridge is in-
creasing. The Scandinavian design is enjoy-
ing a renaissance, in its present export
quality, with the most modern bullet styles
and powder developments, non-corrosive,
non-mercuric American type primer, and the
special reloadable case. This excellent car-
tridge which started off the first Norma ammu-
nition enterprise 65 years ago will
probably live for another generation.

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*43 Spanish—ideal for those of rolling	1.50 per 100
blocks grade 2—loose, sold as is	3.50 per 100
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FAST MAN WITH A SLOW DRAW

(Continued from page 32)

to wield a shotgun very well somewhere along the paths he has traveled.

In September, 1940, Jordan received an appointment to the Border Patrol branch of the U. S. Immigration and Naturalization Service. Early in his career he was assigned to Presidio, Texas, isolated deep in the wild, rugged, mountainous, Big Bend country. The small town nestled close along the unruly river on a narrow strip of farm land. From the hard, bare mountains surrounded by stretches of desert, valuable minerals were taken. A few ranches prospered in the valleys and on the less rugged slopes. It was a hard country, and it must have seemed definitely foreign to a boy from the Deep South.

Since then, Jordan has served the Border Patrol from Mobile, Alabama, to Chula Vista, California, and from the Pecos River to the French Quarter of New Orleans. No matter what the geography, one factor remained constant: people do not like to be arrested. Some will kill to avoid it. Jordan is still going strong, but some others are not.

Commissioned a 2nd lieutenant in the Marine Corps Reserve during World War II, he saw action at Enewietok and Okinawa. Upon release in 1946 with the rank of captain, the Air Medal, and eight other ribbons, he returned to the Border Patrol. By 1947, he was good enough to fire on a Border Patrol pistol team at the National Mid-Winter Pistol Matches in Tampa, Florida. He made it again in 1948 and 1949.

July, 1950, brought active duty again for

him and the Marine Reserve company which he commanded, and he was soon assigned to El Toro Marine Air Base as provost marshal. Upon release in the fall of 1951 he returned again to the Border Patrol. Then the rifle shooting began in earnest.

He has fired on Marine Reserve rifle and pistol teams at the National Matches every year since 1952, inclusive, except 1955. Jordan was captain of a Border Patrol rifle team organized that summer and competing in the National Matches that year only. He was team captain in 1954 of the Marine Reserve rifle team which won the Roumanian Trophy Match, a 600 and 1000 yard slow fire event with match rifles. The same team also tied for second place in the National Trophy Team Match, the service rifle event at various ranges, and including both slow fire and rapid fire.

As the years passed and Jordan continued to shoot, he acquired the Distinguished Marksman Medal and the rank of major.

As for the fast draw accomplishments, this man is almost entirely self-made. He swaps ideas with other quick draw enthusiasts of all walks of life at every opportunity, but he has never had systematic, organized instruction in the art. He takes it very seriously, but it had to be an individual spare time project. With his inimitable mixture of wit and logic he explains it wonderfully well in person.

Briefly, over the past several years, he has studied the quick draw as it would apply to a police officer defending himself. He has practiced quick draw when he felt like it. He used to burn up energy at a tremendous rate lifting barbells and playing

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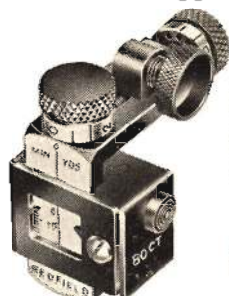
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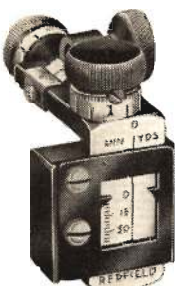
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handball, but he goes to great lengths to determine the easiest and most efficient way to lift a 2¼-pound revolver out of a holster and fire it. With him, drawing and firing have become as automatic as walking or opening his mouth when his elbow bends. He is helped by fast reflexes, big, strong hands, and good coordination between hand and eye.

Although Jordan is probably better known for his fast draw than anything else, he has not specialized in it. Besides regular target shooting with pistol and rifle, he uses rifles and shotguns in hunting. His art of shotgunning will stand the test of skeet and trap fields too. He has fired in competition in the top classification of each, and has broken as high as 100 targets straight at both skeet and 16 yard trap singles.

Jordan is not an amateur exhibitionist or publicity seeker. He has appeared on many local radio and TV programs and on "To Tell The Truth" and "Wide, Wide World" besides "You Asked For It." Such appearances have always been in representation of the U. S. Immigration and Naturalization Service. Never has he sought personal gain.

In the Police School at the National Matches in 1958, Jordan was invited to lecture on the quick draw and double action shooting. The crowd seemed to find his lectures both instructive and entertaining, and he was happy talking self-defense with other law enforcement officers. He has been invited to lecture again on the same subjects in 1959.

Do you, like me, wonder, "What if Jordan had gone on to rifle honors?" He considers rifle shooting a science. Had he studied and practiced this science exclusively, what then? Would he have become the man we have been seeking "to beat the Russians?" Or, had he concentrated on the art of shotgun shooting after he reached the top classification, would he have become one of those infallible machines that never miss?

We will never know, because Bill Jordan took a different path. He has never really worked, either, the way some have done, on the quick draw, which has gained most attention for him. I heard of one actor who practiced the motions of drawing and firing blanks—at nothing—three hours a day for five years. He developed amazing speed in creating a loud noise. Jordan has never attempted any such schedule.

Through the years, he has preferred being "pretty good" with various types of firearms in various forms of shooting to possibly being outstanding with one. In the quick draw field he is practical all the way. He emphasizes drawing and hitting without fancy twirling, shifting, or juggling tricks. His weapons and rigs are chosen for possible serious use, and are completely free of ostentation. In short, he is a law enforcement officer and not an entertainer.

Jordan is now an assistant chief patrol inspector in the U. S. Immigration and Naturalization Service at Brownsville, Texas. In this position, he is a staff officer to the chief patrol inspector, the commanding officer, of a Border Patrol "sector." Large sectors may have 140 or 150 officers under the chief and his staff, guarding hundreds of miles of land and coastal boundaries against the illegal entry of aliens. Hundreds of arrests may be made each month. Some of them may not be easy, which is what started this off in the first place.

I asked, "What first started you on quick draw work?" Jordan dryly replied, "As a young man it was explained to me that, with 20 years of service, at 50 years of age, I could retire and be paid for doing nothing. About there I decided to become 50 years of age."

If he still feels that way a couple of years from now, he can sit on the porch with his wife, Anne, while his man Jason brings an occasional mint julep, and starts his rocking chair to rocking.

SHAPES OF THINGS TO COME

(Continued from page 39)

the history of munitions engineering.

The dream is an involved one. Dardick hopes his "tround" (triangular round) design will make possible fantastically high rates of fire in machine cannons. The electric Gatling "Vulcan" machine cannon now installed in the F-105 rips off six thousand shots per minute. Dardick's design, if developed as he expects to do, will achieve a fantastically higher cyclic rate. Further development of this application of the tround principle is highly classified; may spell success to one of America's most important armament races.

But the Dardick pistol, its inventor proposes, will also revolutionize conventional small arms design. How effective Dardick will be, only time will tell.

Triangular cartridges are not new. U.S. Patent 13442 was issued to Otto Schneeloch of Brooklyn, N.Y., in 1872, for a triangular cartridge sometimes erroneously known as the "Kleigelhofer." Taking advantage of the shape, the patent describes a cartridge of approximately .32 caliber, fired from a gun of substantially .22 caliber dimensions in the cylinder. Cartridges are arranged pie-shaped. This actually fires a triangular bullet and may have aided the misconception that the Dardick gun does likewise. Jokingly, when asked how the Dardick gun is rifled, factory personnel delight in saying, "The barrel is bored triangular and then twisted." Actual-

ly, the Dardick fires a standard .38 Special conical bullet, 158 grains weight. Special Dardick ammunition as it goes on sale in stores soon will list, the factory forecasts, at about 20% less than standard metal cased ammo.

The open chamber principle is not new, either. Machine gun designers have evolved weird chamber constructions, split longitudinally, to allow use of this principle. With the open chamber, the entire reciprocating cycle of automatic firing is omitted, and feeding and ejection of fired cases can be virtually instantaneous. Cylindrical metal cases almost invariably cracked and leaked gas along the chamber splits, or developed some other trouble. But the new triangular case, with an internal cylinder bore, would give needed strength at the "corners." And if the corners were just where the chamber split in the machinery, an open chamber gun might be practical. This motivates Dardick's work today. And the first step up the ladder of achievement is the Dardick handgun, a combination revolver-automatic magazine pistol, carrying up to 26 "trounds" in the grip, capable of being a .22 and .38 pistol, or a rifle, all in one package.

I first heard of the Dardick gun in 1954 from John McNally, who was then Colt's chief designer. I still have the note paper on (Continued on page 54)

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38 Super 39.95
Extra clips \$2.00 each.



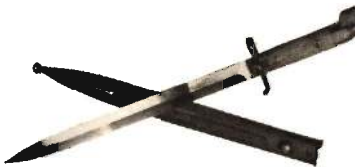
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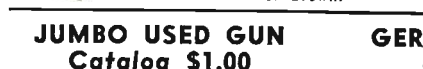


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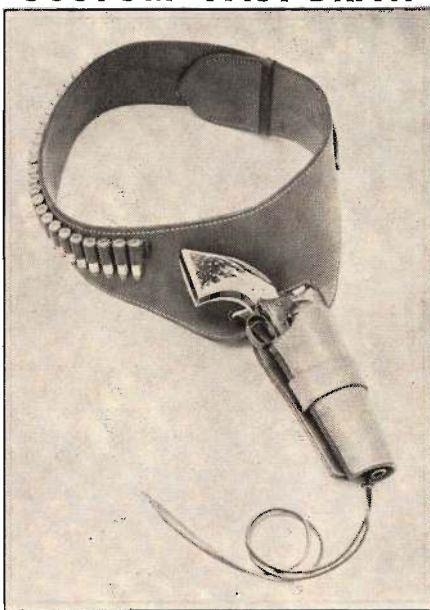
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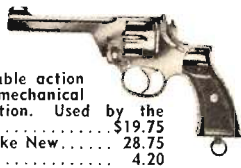
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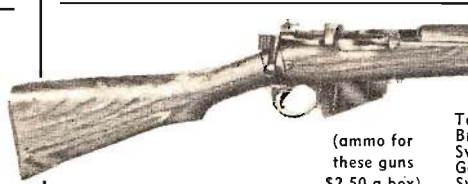


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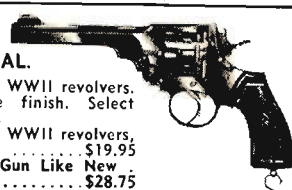
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RETRACTION

In reference to my advertisement on Mauser Rifles which appeared in the March 1957 issue of Guns Magazine, I wish to state that I have no information that any unmarked rifles were manufactured by Waffen Fabrik Mauser Oberndorf in violation of the Versailles Treaty.

MARTIN B. RETTING, INC.

11029 W. Washington Blvd., Culver City, Calif.

(Continued from page 52)

which he sketched the curious triangular cartridge of the Dardick "open chamber" gun. Later, in Washington, I had a drink with General C. T. "Buck" Lanham, then chairman of the board of Colt's, and the subject of triangular cartridges came up again. The trade was excited over the development, although even the name of the man responsible was not known. "Revolutionary open chamber principle" and "make all current firearms obsolete" were ideas expressed by Lanham. If the claims he had heard made for the Dardick gun proved true, the small arms industry would be in for a real face lifting.

With all this in mind, it was a real treat, in New Haven last autumn, to discuss with David Dardick and his astute crew of gun-savvy engineers and salesmen the potential of the open chamber principle as it now stands. Watching firing tests of the open chamber device was an added benefit, and I came away impressed with the thought that I'd give a lot—and Dardick would, too—to "see this gun ten years from now."

Prototype Dardick guns were mainly to prove the mechanism, which is actually a compact steel subunit inside aluminum "clam shells." More emphasis has been placed on attractive styling in recent pre-production Dardick models.

The rumors about the tround construction were more elaborate than the fact. The triangular shape in its present application is to simplify feeding and cartridge stacking. The basic cartridge—originally of aluminum, finalized in Celanese Corp.'s "Fortiflex" plastic—handles a conventional bullet, primer, and powder charge. The primer is set into an aluminum cap adaptor, which in turn seats in the base of the plastic case. This is needed because the elastic case had too much "give" when the primer was inserted directly into the plastic, would cause misfires or hangfires.

Externally a triangular prism, the case is cylindrical inside. The aluminum prototypes, some of which actually were so limited in production as to bear serial numbers, had moveable gas-sealing necks which pressed against the barrel breech face on firing, giving maximum velocity from the charge, with no loss or sideflash. With cases made from Fortiflex, side flash is non-significant. I watched experimental firing in the Dardick plant of a rotary breech gun mechanism, in which plain 3 x 5 file cards were rubber-banded on each side of the barrel breech. A charge of 5.5 grains Unique produced instrumental velocity of 882 f.p.s., with no stain or powder marks visible on the cards. Under 10X magnification, four or five individual powder specks were visible on the right side card in a thin line, indicating minimum leakage. Significant is the fact the cards were undamaged and appeared to the unaided eye to be white. With an even higher pressure load, 7.5 grains Unique registering 1205 f.p.s. (158 grain .38 Special lead bullet), the cards stayed white and undamaged. By contrast, a standard target revolver with cards placed adjoining the cylinder face, blew the cards to tatters and stained the remaining fragments with heavy powder residue. The load was a standard .38 Special, 158 grain bullet.

The Fortiflex cases revealed a slight elongation and minor deformation at their mouths, indicating they had been thrown

(Continued on page 62)

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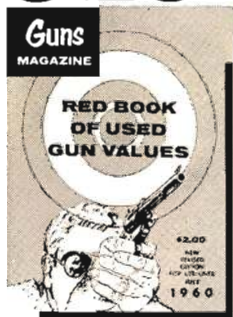
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Sensational new slide rod .22 shoots all three—long, short, and long rifle .22 ammo. Double and single action. A tight, well-made piece, it looks like an old frontier revolver, acts like an old frontier revolver, but shoots popular, inexpensive .22 ammo. Terrific gun for fast draw enthusiasts, for practice and plinking. Looks sharp as a tack. Feels just right. Not \$63, not \$75.00, but only \$19.95. Complete with fast draw holster \$24.95. Holster alone, \$7.50.

Famous Make BELGIUM PISTOL \$19.95



Sorry, we can't divulge the name of this famous make in this advertisement due to the sensational LOW PRICE. Terrific bargain. Available in Cals. .380 or .22 Long Rifle Blue. Gift boxed, only \$19.95 while they last.



New 9-shot .22 TARGET PISTOL ... \$21.95

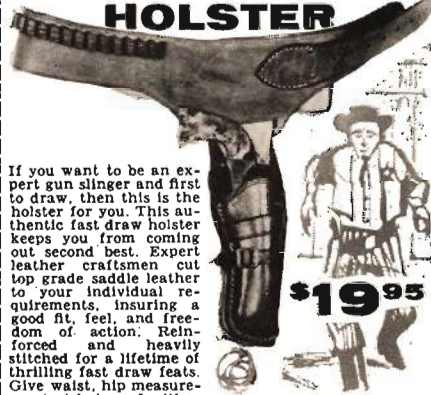
Fires standard & high velocity shorts, longs & L.R. ammo. Excellent for target, plinking or home protection. Specs: 9-shot revolver, double & single action, solid frame, safety cyl. (recessed head space). Choice of 4" bbl. or 2" bbl. Only \$21.95.

.38 Special COLT Official Police



Dependable, compact. Makes excellent target & protective sidearm. Specs: Swinging-out cyl., 6-shot, 4" barrel, orig. Colt hardwood grips, newly blued, good condition inside & out. Fires popular .38 Colt ammo. Only \$32.50.

Sporting FAST DRAW HOLSTER



If you want to be an expert gun slinger and first to draw, then this is the holster for you. This authentic fast draw holster keeps you from coming out second best. Expert leather craftsmen cut top grade saddle leather to your individual requirements, insuring a good fit, feel, and freedom of action. Reinforced and heavily stitched for a lifetime of thrilling fast draw feats. Give waist, hip measurement (choice of either .22, .38 or .45 calibers); make and barrel length. Available in black or saddle leather finish. Complete belt and holster (regularly \$30.00) only \$19.95. Lefty's add \$2.00. Holster alone \$7.50.

OUTGUESS THE BEST WITH THESE MAGIC CARDS

It's easy to determine the fate of the game with this special card deck. You'll amaze your friends with your magic insight and uncanny card playing ability. Secret code on the back of each card enables you to immediately recognize any one of the 52 cards—whether in opponent's hand or lying face down. Easy directions and "How to Do Many Card Tricks" included. Your choice of famous Bicycle Fan, Rider Back, or Bee Club playing cards. Only \$4.95 per deck postpaid.



NEW .22 REVOLVER ... \$13.95

Excellent for target, plinking or defense. Thousands sold. This new 6-shot Rosco Vest Pocket revolver is a tight, accurate, well-made piece. 2 1/2" bbl., 5" overall. Fires popular .22 short ammo. Features slide gate loading, hair trigger adjustment, screw-in ejector rod. Has steel rifled barrel with blade front sight. Normally sold in \$25-\$28 range, NOW ONLY \$13.95. Leather holster \$2.25, .22 short ball ammo \$1 for 100 rds.

.22 MOSSBERGS

Small lot of American Made Mossbergs Issued to WW 11 British troops for special training. Bears British Royal Proof House marks.



\$14.95

Ramp front sight. Walnut stock, 7-shot clip. Fires shorts, longs and L.R., ammo. Weighs 7 lbs. 20" bbl. Outside condition good, bore good. Mechanically perfect. Excellent for rifle teams.

GENUINE MEXICAN LONGHORNS

These wild-eyed critters were introduced to the Americas back in 1521 at Vera Cruz, Mexico. Horns are hand-polished to a smooth-as-silk surface. Leather centerpiece is genuine hand-tooled cowhide. Choice of dark or light brown leather.



DOUBLE .22 CAL. DERRINGER \$19.95

Imported from Europe. It is an exact copy of famous Remington Derringer popular in the late 1800's. Valuable collectors' item. Fine "old world" gun craftsmanship has been employed to give you a superior handgun & still retain all the features of the original Derringer. Accurate. Shoots .22 short, long or long rifle ammo. Beautiful blued finish with contrasting checkered black grips. Only \$19.95. Western Derringer holster \$3.25.



Prize BOWIE KNIFE

This he-man knife made its place in American history and is still prized as an indispensable hunting and outdoor knife. Blade has traditional "Bowie Knife" shape, is of polished hi-grade steel. Knife is 13" long. Bowie Knife incl. leather sheath only \$6.95.



POWERFUL 7 x 50 C. F. BINOCULARS ... \$14.95

Guaranteed new & perfect in every respect optically and mechanically. Full size, calibrated for center focus. Coated objective and ocular lenses. Dust & moisture proof. Lenses precision ground so that you can easily locate and pinpoint distant objects. Extremely light weight, no viewing fatigue. Terrific bargain for shooters, outdoorsmen and for spectator events. Superior light refractor assures crystal clear images even under adverse lighting conditions. Binocular has jet black pebble grain finish with strap. Fits into beautiful pigskin case with strap. COMPLETE: 7 x 50 Binocular, carrying case, warranty and gift box. Regularly \$29.95, NOW ONLY \$14.95. Order while they last.

BRIGHT NICKELLED S. & W. .38 SPECIAL 2" Bbl. REVOLVER .. \$39.95



Made in U.S. by Smith & Wesson, these fine 6-shot revolvers with swing out cylinder are terrific buys. Fine condition inside & out. Fixed sights with rich nickel-plated finish and sharp stag grips. Fires pop. American made .38 Special S. & W. ammo. Only \$39.95. Leather holster only \$3.95.

SEAPORT TRADERS, INC.

1221 S. Grand Ave., Dept. G-7
Los Angeles 15, Calif.

HOW TO ORDER: Send cash, check or Money Order. Shipped F.O.B. Los Angeles express collect. Calif. Res. add 4% state tax. (For fast service when ordering pistols, enclose a signed statement: "I am not an alien, have never been convicted of a crime of violence, am not under indictment or a fugitive. I am 18 years or over.") Thank you. Visit our new store.
(Res. of Mo., Mich., N. Y., N. J., N. C. must enclose police permit with order)

10-Day Money Back Guarantee
If for any reason you are not completely satisfied with purchase, return it to us within ten days for full, prompt refund.

Sets
between
5' and 6'
\$29.95

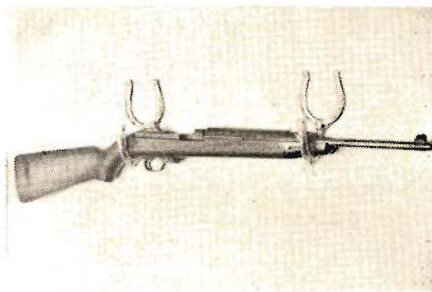
SHOPPING



SHOOTING RANCH FOR KIDS. Copper Canon Ranch, Greystone, Colo., 5,000 acres in lush Green River country near Brown's Hole, will be scene of rendezvous this June, July, and August for boys (age 14 and up) on vacation who want to learn Big Game Hunting and Rifle Safety and Marksmanship. Two owners of Ranch are Bud Johnson and King Karnopp (shown right above), both NRA-approved Colorado State Hunter Safety Program instructors, experienced riflemen and gunsmiths. For full details of what to bring, how to get there, facilities on arrival, write directly to Copper Canon Ranch, Greystone, Colorado. Nominal cost for exciting and safe gun-fun vacation for your boys.



NORMA-PRECISION of South Lansing, New York, internationally known ammunition manufacturer with factories in Norway, Sweden and Denmark, is world's exclusive producer of the 6.5 and 7.7 Jap cartridges. Jap cartridges come packed in water-repellent, plastic coated boxes of 20 at \$4.30 per box and are available at sporting goods dealers everywhere.



WESTERN HORSESHOE GUN RACK adds touch of Old West to home. Polished aluminum horseshoes make authentic setting for favorite rifle. Realistic horseshoe markings, and trimmed with latigo pads tied to the shoes with leather strings. No scratching or marring of gun stocks or barrel. Mounts to gun case or direct to wall with small horseshoe nails included with each pair. Ideal as hangers for hats and hunting gear. Practical and decorative. Neatly boxed. \$1.95 per set of two hangers, prepaid. From Weldon M. McKinney, P. O. Box 872, Inglewood, Calif.

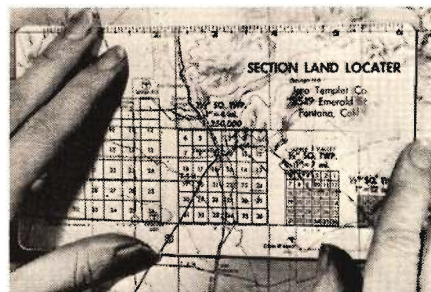


QUICK-SWITCH SCOPE MOUNT, developed by the Redfield Gunsight Company of Denver, Colo., is of new, advanced design. The Quick-Switch mount locks at absolute zero position every time, permits scope to be mounted low over bore, and gives the shooter instant choice between scope and open sight. The scope is also quickly detachable. Hardened steel pin rotates within hardened bushing, assures lifetime Quick-Switch hinge. Exclusive Redfield design and construction prevents hinge loosening from repeated use. The Quick-Switch is competitively priced.

SNAKE-AWAY is unique chemical spray acclaimed by hunters for its ability to keep snakes away. Packaged in a push-button aerosol can. Spraying a circle around a campsite will keep snakes away from 12 to 24 hours. One can is sufficient for 10 to 12

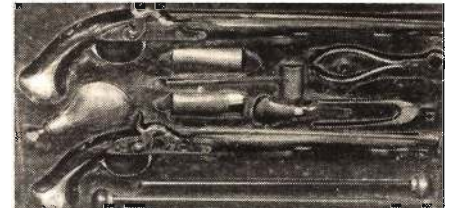


applications. Snake-Away is available at sporting goods, hardware and department stores. The 12-oz. aerosol can sells for \$2.50. It is distributed by Flamemaster Chemicals, Inc., Division of Dyna-Therm Chemical Corp., Culver City, Calif.

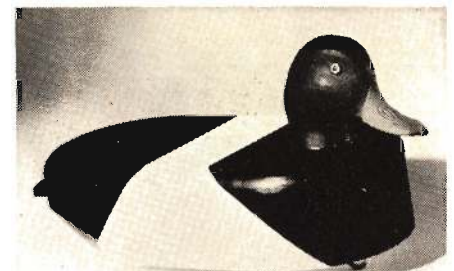


SECTION LAND LOCATER of transparent plastic template instantly locates any section of land on township drawn maps. Fits 8 most commonly used map scales, 4 on each template. Convenient size, 3 3/4 in. x 6 1/4 in., to fit pocket or ring binder. \$3.75 per set (plus sales tax in Calif.) from Jero Templet Co., 8549 Emerald St., Fontana, Calif.

FINE GUNS AT AUCTION. Johann Jacob Kuchenreuter made fine 18th century flint horseman's pistols, which were cased with their original accessories probably some time in early 19th century. Such cased pairs of pistols, plus wide selection of finest Colt arms offered for sale in mid-west, plus Civil War period muskets, carbines, and many other common and fine guns, old and modern, are regularly sold at public auction approxi-



mately every six weeks by Shore Galleries, Inc., leading general auctioneers of Chicagoland. Next sale scheduled this month. For free mimeo list plus bulletins advising of future sales, send stamped long envelope bearing your address to: Shore Galleries, Inc., 3318 W. Devon Ave., Chicago 45, Ill. **NOTE:** The above pair of pistols were stolen from their case while on display in Shore Galleries last year. Reward for information which leads to recovery of pistols and apprehension of robber. Write to Sig Shore directly at above address.



WOODEN DUCK DECOYS. New line of low cost, wooden duck decoys offered by Roberts Industries, Post Road, Branford, Conn. Roberts Atlantic Coast Modern model, a skillful reproduction of the familiar Broad Bill, is made of fine New England pine. Modern decoys. Both drake (black and white) and hen (brown and white) models available. One dozen (6 of each model) for only \$36.00. Immediate delivery. Additional information available upon request from manufacturer.

400 "PALOMINO" is a new 22 caliber lever-action rifle announced by O. F. Mossberg & Sons, Inc., 131 St. John St., New Haven, Conn. The Palomino is described as "ultra-modern version of glamorous lever-action Western rifle." It's a hammerless, 20-shot repeater with tubular magazine, is chambered for Short, Long and Long Rifle cartridges, and will retail for \$68.88. Delivery will be in June, 1959. Stock and fore arm are of genuine walnut, and fore arm has beavertail shape to fit the hand. The tubular magazine holds 20 Shorts, 18 Longs and 15 Long Rifle cartridges. The new 400 has a grooved receiver for quick, easy scope mounting. Weight about 5 1/2 lbs., over-all length 41".

WITH Guns

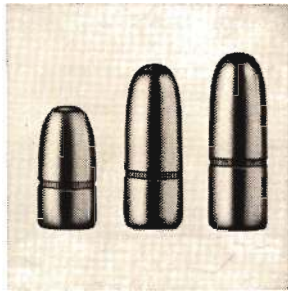


PORTABLE INDOOR TARGET RANGE made of heavy (16 gauge) steel for maximum safety. Attractive, brilliant red and white "Home Range" has cleverly recessed and protected light socket for optional interior lighting. Blued steel spinning targets can be easily removed and replaced with various paper targets available free at most sporting goods departments. Designed for use with BB or pellet guns. "Home Range" can be hung on a wall or set on a table. Rubber cleats protect furniture. It is 16" high, 18" wide, 7" deep and weighs 19½ lbs. Available at department, hardware, and sporting goods stores or direct from the manufacturer, Morris Sheet Metal Works, 1680 W. Mound St., Columbus 23, Ohio. Price, \$19.95, post-paid.



.22 CAL. DERRINGER is shooting replica in modern steel of the "stingy gun" or pocket pistol that changed history. Used by Mississippi River card sharks. Imported from Germany, new Winfield Cal. .22 derringer fires short, long and long rifle ammo. Blue Steel, \$22.95. Chrome, \$23.95. Plus shipping charges collect. Contact Winfield Arms, 1006 South Olive St., Dept. G-7, Los Angeles 15, Calif.

GUN EQUALIZER. H. C. Sorensen, P. O. Box 202, Beaverton, Ore., reports they have tested their equalizer on a 30-06 firing 140 rounds without malfunction. Instructions for using the Equalizer follow: Wipe all oil and grease off the gun muzzle, also the contact hole of the equalizer. Dust both with pumice powder. Slide equalizer one-quarter of an inch on the barrel with V cut up. Place ruler or pencil in the V cut, keeping V cut at right angle of the gun stock. Use furnished wrenches to keep equalizer from turning while tightening. Then tap equalizer on with a piece of wood, one-half inch on the barrel (slots in the equalizer must be covered by the barrel), and you are now ready for faster and more effective shooting. The equalizer, and complete instructions, sold with 30 days trial and money-back guarantee.



THREE .45 CALIBER BULLETS for hand-loading are now offered by Hornady Mfg. Co., Box 906-G, Grand Island, Nebr. These include a 350-grain and 500-grain soft nose (SN) with jacket of thick gilding metal and a 500-grain solid nose with a full metal jacket (FMJ) of copper-clad steel. Bullets are available through dealers, the 350-grain at \$12 per 100, the 500-grain SN at \$14 per 100, and the 500-grain FMJ at \$20 per 100.



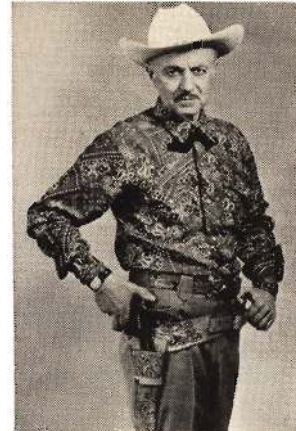
PLASTIC REPLICA of the official Strategic Air Command's survival rifle, the Fairchild AR-5, is demonstrated by First Lieutenant Roy F. Rohde, a navigator bombardier with the 57th Air Division at Westover Air Force Base, Mass. The bolt-action model ejects plastic shells, fires caps and has the same size and coloring as the actual SAC weapon. Parts are easily disassembled for storage in the oversized waterproof stock. The rifle is molded of high impact styrene and is available at toy counters and hobby shops. Suggested retail price is \$2.98. Manufactured by Lindberg Products, Inc., Skokie, Ill.



ST. CROIX POPPER BASS BUGS. Designed and used by famous St. Croix River Bass guides. Light cork body lets this St. Croix popper bug ride high on the surface. Makes realistic commotion and Pop with a twitch of the line. Hand made with genuine

bucktail streamers. Thick enamel finish cannot waterlog. Three inches from tip to tail. In white, yellow or red-white-blue. Each 55c or 3 for \$1.50. From The Gokey Company, St. Paul 1, Minn.

"BUSCADERO" BELT AND REVOLVER HOLSTER displayed at the recent N.S.G.A. Show in Chicago. Belt and holster in full hand-carved design sells for about \$25.00, other model retails for \$12.95. Since the



show the response has been terrific and production facilities have been rapidly increased to meet the demand. Belt and holster sets manufactured by The Boyt Company, 303 New York Ave., Des Moines, Iowa.

CUSTOM JOB on your Ruger Mark 1 or standard model will place it at top of list of 22 cal. target pistols. Perfect balance, trigger pull (2¼), and accuracy of gun leaves little to be desired, by even most critical shooter. Barrel lengths 6 in. and 6¾ in., weight 48 oz. and 54 oz. respectively. Complete job with customer furnished Mark 1, \$50.00, with standard model \$60.00. Complete gun furnished \$98.00. Completely guaranteed. From The Custom Gunshop, 33 Herning Ave., Cranford, N. J.

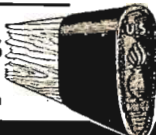


SPORTS MOTIF BELTS from 1" to 2¼" widths, all of richly-grained top saddle and strap leathers with new and different double-clinched ends of polished gold. Extra long adjustment tabs of matching leather or equally handsome large gold chain adjustment. Available in many new sports motifs as shown. Available in four colors: saddle tan, gleaming black, white and deep rich mahogany. Belts are from the line of Workshop Designs, 1009 Narragansett Blvd., Edgewood 5, R. I.

AMMUNITION

41 REMINGTON RIMFIRE SHORTS \$550	Per Box, 50 Rds.
30-06 Military Cartridges late issue Non Corrosive per 100.....	\$7.50
.25-20 Repeating Rifle Cartridges Per 100.....	8.00
.303 Savage Rifle Cartridges Per 100.....	10.00
.45 Auto. Rim Cartridges Per 100.....	8.00
.348 Winchester Per 100.....	18.00
.22 Automatic Rifle Cartridges Per 1,000.....	20.00
.45-70 Smokeless Low Pressure Per 100.....	10.00
.351 Winchester Self-Loading Metal Patch Per 100—Value \$14.00.....	8.00
.35 Winchester Self-Loading Per 100—Value \$14.00.....	8.00
.30 Remington Soft point Per 100—Value \$17.00.....	10.00
.32 Long R F Cartridges Per 100.....	4.00
.32 Short R F Per 100.....	4.00
.25 Rim-Fire Shorts Per 100.....	4.00
Ear Defenders MSA for the Shooter. Brand New, Gov. Surplus Val. \$3.00 postpaid.	1.00
Bore Scopes, New Govt. Surplus; Postpaid.	75c

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for shotgun \$3 DOZEN
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FAST DRAW FANS!

For blazing fast draw action and spinning thrills, use Pointer's Fast Draw Ammo Adapter. It's one of the most important advancements in the art, since the F. D. Holster. Converts your .45 single action so that you can use .22 Rim Fire Blanks without danger of accident. Not only will it be a safe sport, but you'll save on ammo costs, too. Set of 6 in box only \$5.95. In addition, for a sharp pistol grip get this new silver finish Regal Pup (shown). Avail. for pop, handguns. Uncond. Guaranteed not to warp or lose it's orig. luster. Only \$5.95. Reg. Imitation Stag Grips only \$4.00. Choice selection of genuine fancy pearl, Ivory or Stag Grips. ORDER NOW! Send for FREE literature. REMEMBER, IF IT'S A PISTOL GRIP... WE'VE GOT IT.

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1309 Olympic Blvd., Montebello 5, Calif.

NEW 60 POWER ACHROMATIC

Never before has an achromatic telescope sold for anywhere near this amazing low price! You get clearer sharper pictures at all powers because of the super compound Achrom. Lens. No color, no fuzz. Variable eyepiece adjustable in 22, 45, or 60 power. Lower powers excellent for target shooting and wide angle viewing. Higher 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 gleaming brass—5 precision lenses. A precision American made instrument, unconditionally guaranteed. Carrying case included. Send only \$6.98. Cash, check or money order. We pay postage. Criterion Co., 313 Church St., Hartford, Conn., Dept. TSA-42

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All Cash orders postpaid—
\$100.00 net orders prepaid.

AURAND'S 229-235 E. Third St.
LEWISTOWN, PA.

MUSKETS

(Continued from page 26)

since they would not have been so during the 18th Century. Then as now, they would be emptied for militia drill or for use of the citizen guardsmen who were on duty. Or some of them might be out for cleaning, oiling, or repair. And so it is today, for these arms are used for special firings by the militia.

Lining the wall are "Brown Bess" flintlock muskets. There are different barrel lengths: 46", 40" and 39" models, the latter used late in the century. These are muskets inspected at the Tower of London, with "Tower" marked on the locks. Most bear the name of the regiment to which they belonged, the "Westmoreland Regiment." Also on the barrels are inspection and proof marks.

Such muskets were standard for British infantry all during the 18th Century and well into the nineteenth but the United States Army after the Revolution adopted the French pattern arm and sold or junked the British muskets.

The racks also contain trade muskets, with long stocks and barrels, resembling the Pennsylvania rifles. They are smooth bores, lacking the range and accuracy of the frontiersman's arm.

In one rack there are a number of carbines for use of the dragoons. These short flintlock muskets could be handled with great effect by the cavalry.

The infantry officers carried a lighter version of the Brown Bess. These fusils, as they are called, were even on occasion used by the "big brass"; Washington himself used one. And fusils may still be seen in the Williamsburg arsenal, though generally they are becoming rare in this century.

Among the miscellany of Williamsburg weapons are brass barrelled blunderbusses, used for riots and close defense. Sometimes they were made with a swivel so that they could be mounted behind a parapet and swung about to defend a fixed position. At close range they were devastating to the attacker.

The 18th Century navies also used these swivel-mounted guns to repel invaders. In contrast to them the Magazine contains one long range garrison gun, over seven feet in length. Ordinarily these would be used defensively in a fort where they could be rested over the parapet, though sometimes in the field a long pronged spike affair might be thrust into the ground and the gun rested for steady shooting.

On another side wall of the Magazine are the racks containing flintlock horse pistols for mounted soldiers, both light and heavy. These weapons had tremendous shocking power and were usually fired once at close range by the charging horsemen after which the heavy, brass studded butt was held club-like by the barrel.

"George III horse pistols" are of two types for light cavalry and heavy cavalry. Like the other guns in the Williamsburg arsenal, these

pistols are in serviceable condition. Some are used in the Christmas firing display by craftsmen and guardsmen in Colonial costume, to usher in the festive season. This firing is a rare event and always attracts great crowds of visitors, most of them armed with cameras.

With the number of artillery pieces at Williamsburg are exhibited the gunner's implements for firing them. Artillery equipment of the period is used each morning at nine o'clock when the cannon is fired to herald the new exhibition day. A wooden rammer shoves the flannel bag cartridge down the muzzle and seats it firmly. The linstock, a pole-like device, holds the rope-like, slow burning fuse, placed on the touchhole at the order to fire. The implements for preparing the cannon for the second firings are also here; the worm for removing a missfire or taking out the cake of residue at the breech which may clog the vent; the sponge of cloth or sheepskin which swabs inside the length of the bore as a further precaution. Most interesting is the "searcher," a lengthy tool which "searches" the inside of the gun to discern whether dangerous cracks have appeared which would make the shooting unsafe. These and other interesting implements of the artilleryman stand ready for use just as they did in a bygone era. Firing ordnance took many motions; inserting the powder cartridge, then the cannonball to be rammed tightly home. At times well trained artillery spelled the difference between success and failure. And at close range when grape or small shot could be literally hurled into the teeth of advancing infantry the effect could be frightening. Some of the best trained units fired at a rate much quicker than the five or six shots an hour sometimes attributed to them. The French, who had no superiors as artillerymen, used a particularly effective method of fire against Lord Cornwallis' fortifications at the siege of Yorktown in 1781. They ricocheted their shot into the works of the enemy and generally outshot their American comrades, much to the chagrin of the latter!

The Williamsburg Powder Magazine contains not only the actual arms and ammunition, but also the accoutrements needed in the field. Vast numbers of leather cartouche or cartridge boxes may be seen, as well as powder horns, shot pouches and some powder testers. These were important to soldiers who used the variable powders of the period. Knapsacks, canteens of tin (for the British) and of cedar wood (for the Continentals), tents, tent pegs, rope, drums, leather horse pistol holsters; wooden storage barrels and hogheads, line the room and add atmosphere and meaning to the display, for this is a living exhibition and not merely a musty museum.

The drums, of course, were most important because the orders of the officers to their men were usually given by the drums. Each soldier knew each roll or tattoo just as later soldiers responded to the bugle call.

The halberds and spontoons—long, spear-like devices reminiscent of the medieval

(Continued on page 60)

The FOLKMOUNT

The precision, adjustable scope mount for those who want the best. **\$29.50**

Dealer inquiries invited

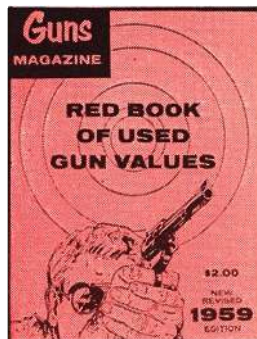
FOLKE GUNSIGHT CO., INC.



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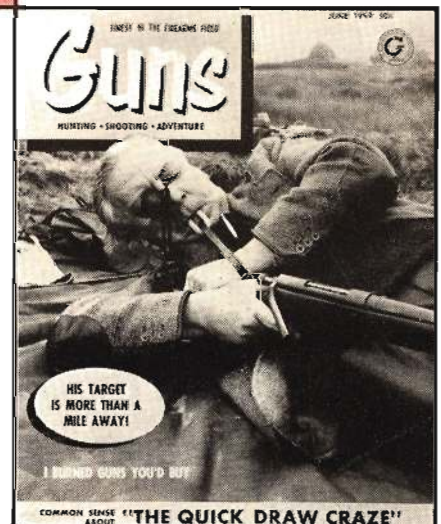
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SHAPED—Ready for Sanding
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JET CONTROL BRAKE



patent pending

A SHOOTER COMMENTS: "For all-around performance I believe the best gun muzzle device on the market is the SORESENSEN. It takes most of the misery out of shooting; takes only minutes to attach." Priced at only \$9.95 ppd., including wrenches. Equalizers for rifles from .243 to .300 Magnums. For special barrels, mike muzzle OD to three decimals of first 1/4" of barrel. **MONEY BACK GUARANTEE.**

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(Continued from page 58)

knights—were marks of rank, carried by the sergeants and officers. They were not designed as weapons, but who can doubt that a hard pressed sergeant for want of a better weapon would not use these symbols of authority to strike his adversary?

For the admirers of good steel blades, the Williamsburg arsenal shows the swords and sabers of the time, both those of the infantry—the short thrusting swords—and the slashing sabers of the horsemen.

And there is hanging on one wall a reminder that all fighting men of the period of the French and Indian War and the Revolution did not wear the popularly-imagined knee breeches and blue and buff coats. Many wore riflemen and frontiersmen suits of buckskins. From these uniforms the Americans gained the name "blackshirts" for with continued usage the long skirt-like buckskins became filthy black with dirt and grease and burned powder.

The typical "Royal American" regular of 1755, outfitted from the Williamsburg Magazine, carried a knapsack, blanket, leather cartridge box, canteen, perhaps shot moulds, lead and the like, extra flints, and the Brown Bess smooth bore flintlock musket, with socket bayonet in a leather scabbard. The musket, itself heavy and inaccurate, was, at close quarters with bayonet attached, a vicious weapon when wielded by the big,

tough grenadiers, the shock troops of the army. Though there is none in the Williamsburg arsenal, many of the British carried a "hanger" or short sword for close fighting.

This equipment was designed for the standard field tactics of the period. The infantry advanced in lines and columns closely backed, marching steadily toward the enemy who remained in a fixed position or advanced to meet the attackers. The idea was to get within point blank range, say 50 or 60 yards, and there to stand and fire a deadly volley which had tremendous shocking power. The firing was done with great precision, with the front rank kneeling and the second rank or file standing; then each peeling off right and left to go to the rear of the unit to reload and advance to their former positions where they would fire again in rotation, filling in the ranks all the while to keep a tight line. Finally, bayonets were fixed and if either side had sufficient strength, the drums would beat out the charge. Then bayonets, "hangers," and musket butts were wielded for the kill. In all probability, the bayonet and short sword did most of the killing. Developed on the flat plains of Europe, these tactics were used in the major battles of the American Revolution, even though the terrain was different here.

Usually the light infantry would be thrown in first; then the grenadiers, who were the physical pick of the army; and next, the mounted dragoons. Of course, as in modern warfare, artillery often opened before the infantry assault to soften the defender's lines. In fighting of this sort, discipline was most important. Rarely did well-trained regulars break and run. Instead, they marched grimly in close ranks into the hot enemy fire, as the British did at the misnamed Battle of Bunker Hill. There they were slaughtered, piling up their dead, until the grenadiers finally took the crest. Muskets from the Magazine had been sent to many parts of the Colonies; possibly original Williamsburg muskets faced each other in the hands of Tory and Rebel.

Unfortunately, American units aped their adversaries in such tactics, seldom with any great success. The French and Indians almost annihilated Braddock's army by not using this type of warfare in the forests. And our most notable Revolutionary victories were won at Saratoga and Cowpens by the proper use of rifle companies and dragoons in support of musketeers.

To acquire the array of guns and weapons in restoring the "Powder Horn," Colonel Williamsburg had to be sure what was needed for an authentic display. Old records were studied. An inventory of 1764 listed two brass cannon, two mortars, thirteen thousand pounds of gunpowder, one hundred and sixteen tents, two hogsheds of canteens and kettles, one tierce of leather shot bags, one tierce of canvas knapsacks, clothing, hats, shoes, leather belts and slings, cartouch boxes and five hundred flintlocks and barrels for same, evidently to be fitted with the brass furniture and stocked by the Colony armorer. Much of this equipment was made in England.

Harold Peterson, an authority on old firearms of the National Park Service, helped determine the types of weapons needed. With his aid, leading gun dealers in Europe and America were contacted. It was a slow business, especially finding enough of each item. American dealers supplied some individual pieces but the best of them and

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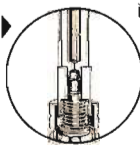
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the greatest quantities came from England. One English dealer alone furnished forty-nine perfectly matched Brown Bess muskets with bayonets, in almost perfect condition. These had been the property of an English colonel who "owned" a colonial regiment. In those times the colonel of a regiment outfitted the entire unit from his own pocket and made what profit he could out of it. Often, when his regiment went overseas, the colonel stayed behind, putting his regiment under the command of a subaltern; some even said that they were much too grand to cross an ocean to the wilds of America to fight among savage and uncivilized people.

The inventory of the Magazine today lists two hundred and forty-three muskets, sixty-five horse pistols, and seventy-one swords and sabers, as well as the many miscellaneous accoutrements of the soldier. Some of the muskets are now in the front hall of the Palace where the Royal Governor usually kept a guard. The rare suit of buckskins which hangs on the second floor was furnished by the Metropolitan Museum of New York.

Many articles completing our 18th Century arsenal were not available anywhere. Leather cartridge boxes from the time of the French and Indian War, so far as is now known, do not exist, though there are some from the Revolutionary period. Reproductions of these boxes have been made by hand by Ray Townsend, the Williamsburg bootmaker. Mr. Townsend works in colonial costume at "The Sign of the Boot" just above the Magazine on Duke of Gloucester Street. Paintings in Windsor Castle, England, provided the authentic appearance of these items as necessary to the soldier two hundred years ago.

Tent pegs, too, were unavailable. Many originals of these were dredged from the bottom of the York River where the British ship *Charon* was sunk in 1781. Reproductions of these are now shown in Williamsburg. Four of the cannon are on permanent loan from the Tower of London and carriages for these were fashioned from designs in old engravings found in ancient military manuals and guides. All these symbols of a bygone time may be seen today by all who care to look here in the little restored City of Williamsburg.

Yet the Powder Horn is much more than a symbol, more than a museum; for its treasures are not only displayed each day of the year, except Christmas, for the sightseers to view, but they are actually used each day in exhibition firing by the guardsmen who care for them. And if this mid-18th Century storehouse for arms is a symbol of our past, it is also a reminder to the men who use weapons now, of the eternal vigilance of men who wish to remain free.

Some evenings after five o'clock, when things should be getting quiet in this now-peaceful town of Williamsburg, the visitor may suddenly hear the rattle of a drum. Down the street comes a small group of men garbed in the working clothes of the citizen craftsmen, muskets at "left shoulder" after the old British manner, stepping rather smartly up the broad street. Leading is a young, tough sounding officer in British Regimentals marching ahead with a spontoon carried on shoulder while, behind, a youthful drummer—about the age of Henry Nicholson's Liberty Boys—rattles away on his drum. Following are two files, each led by a sergeant bearing halbard and sword. Al-

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ways, one man is "unintentionally" out of step; for these, you see are militia and march as militia.

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They know that in Williamsburg George Mason proposed the Virginia Declaration of Rights. This proclaimed, among other things, that the right to keep and bear arms cannot be infringed if a people are to remain free. This right is reiterated in the Bill of Rights of the United States Constitution.

That is why the Powder Magazine of Colonel Washington's Virginia Regiment, the James City County Militia, the College Company, the youthful Liberty Boys and probably the first truly United States regiment to march out of Williamsburg under the Grand Union banner—the First Virginia Continental Line—is both a symbol and a great reality to these militiamen who march today through the streets of Williamsburg. And their spirit is caught by the hundreds of American visitors who watch them as they step swiftly with banners flying down famed Duke of Gloucester Street.



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(Continued from page 54)

very tightly against the barrel breech by the pressure. A trace of side leading was on each case at one corner, and the metal bore the "fingerprints" of the file stroke that finished off the end of the barrel. Summing up, gas leakage was admirably controlled. A load of about 12 grains Unique which, as I recall, registered about 1600 f.p.s., split along one edge of the Fortiflex, where it is not supported solidly by metal of the gun. This revealed to me, not an inherent weakness but a remarkable plus safety feature of the Dardick gun. If a cartridge of too-high pressure is fired, bursting of the case harmlessly into the open air is its own safety valve.

The tround design study began with Dardick's search for a form easy to move in automatic conveying machinery. The choice was made for a shape that could be easily stacked in quantity and would feed without possibility of jamming. The result was triangular—easily picked up by the spinning carrier as the trigger is pulled, easily rolled into line with the bore and fired, and as easily dumped out the other side. The elimination of the cylinder-opening or slide-manipulating features of conventional revolvers or auto pistols creates a weapon of fundamental and simple design, though the

finished product is not as simple.

Dardick has added to the double action feature a gas-assist, bleeding from the barrel, which will ease the labor of the trigger finger. The fired cases are pushed pretty heavily against the barrel, and there is inevitably some friction, without the gas-assist. The prototype Dardick pistol which I have clicked, but not fired, on several occasions over a period of years, is easily worked. Now refined in newer prototypes is the formerly rather awkward pistol handle, which was partly required because of the large magazine capacity—a non-jamming double row of 20 shots.

Trounds can be carried in disposable skeleton clips or charges and easily loaded into either side of the magazine (in the 20-shot model) until full. Loading can also be accomplished while the gun is in use. The weapon need not be placed out of action momentarily in reloading, as is an auto pistol with the clip removed or revolver with cylinder swung aside. In a lull in a fire fight, the arm may be filled up, with all the while a live round lying ready to spin into place and fire.

Novelty, or new look to an old story, depending on your gun collecting background, is Dardick's pistol-rifle combination. The gun is being made as a basic mechanism, and loaded trounds in .38 Special caliber, or rim-fire shell adaptors in .22, can be used in the same gun machine. Interchangeable barrels including a .22 rifle barrel with stock attached give the Dardick gun remarkable versatility, for defense and centerfire target use and, with .22 rifle attached, as a country plinker.

Although Dardick is stressing the family fun angle with this unique combination deal (which incidentally and somewhat surprisingly, has the seal of Treasury Department approval so far as the rifle-stock combination is concerned), the greatest value of the Dardick designs may lie in its military applications. Counselor to Dardick in this important field is Mel Johnson, inventor and manufacturer of the Johnson series of light automatic weapons, and one of the world's foremost students of fire discipline in combat.

Johnson has been a strong advocate of a gun which can be loaded in lulls—his old rifles and LMG's could be, and so can the Dardick—and he has recently discussed rapid semi-automatic fire as one answer to the seemingly uncontrollable climb of a full-auto burst. Two or three quick hits are more effective than one shot on and fifty high, is Johnson's irrefutable logic. The double action gas-assisted Dardick gun, in military application, unquestionably would permit this sort of tactic. With large magazine capacity, it would equal, he urges, the effective firepower of full auto weapons. As a rifle combination gun, it would be adaptable to paratroop and assault uses and, since the basic mechanism easily detaches as a pistol again, it serves that purpose also.

The edge has gone off the Dardick gun somewhat for many. There has been a long time between announcement and final production. Refinement of style unquestionably will continue on the tround-shooter. Whatever its application to the current gun picture, the Dardick design is not only unique but one of the most interesting gun-devices to appear in this century. Can it be, as David Dardick hopes and plans, "the shape of things to come?"

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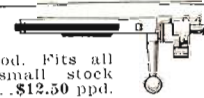
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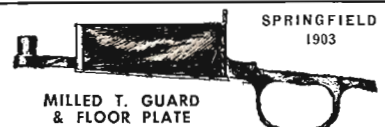
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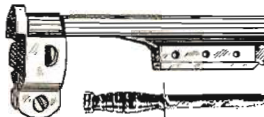
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El Paso, Tex.

PULL!

(Continued from page 38)

straight by a hotshot in Class A. Top two scores of each class counted for the team. Thus, if two best efforts at trap in Class E were 38 and 37, for a total of 75, and the two best scores in skeet were a pair of 36's, the trap team in that class won one of a possible five team points. The club also scheduled two Saturday's, one in April, and one in August, for shooting schools.

This gun club knows how to attract, and hold, shooters. That this statement is true is borne out by the Waukesha Gun Club's annual Club Championship shoot. In 1958, this shoot, a club shoot, attracted 191 entries in 16-yard trap singles, 89 entries in skeet, 148 shooters in trap handicap, and 83 contestants in a trap doubles event. 'Nuff said.

Al Zajicek, air machine driver, gin player, bon vivant, and scattergunner, who haunts Lincoln Park Gun Club on Chicago's Outer Drive, is handing out circular calling cards. Man, he can't stand nothing square!

ELMER KEITH SAYS

(Continued from page 40)

game at close range, and if it is ever used on game larger than deer, sheep, or goats, then I believe it should be used only with Nosler 200 grain bullets or the Barnes 250 grain soft point. With steel jacketed solids, it would of course drill the brain of any pachyderm on earth if properly directed; but I would prefer this rifle with Nosler 200 grain slugs for use on the lighter game at long range.

The rifle came equipped with Weatherby's new Imperial 4X scope. This is a wonderful glass in every respect. Two capped dials appear on top of the tube, the rear one for focussing to individual eyesight and the front one for adjusting for both windage and elevation. This scope was in Redfield mounts. Position of the adjustment dials permits perfect positioning of the scope to fit desired eye relief of any shooter.

This big 4x87 Weatherby scope is a peach in every respect, clear as spring water, with flat field and with cross hairs that are heavy enough to be seen instantly against game in almost any shooting light. The complete rifle is very light and handy and just right for the sheep hunter who has to make long hard climbs.

International trap will not be an event in the 1959 Pan-American Games. Skeet, rifle, and pistol will be shot as scheduled. International or Olympic style trapshooting is a casualty of a ruling by the chancellor of the Pan-American Congress that the event could not be scheduled in 1959 because it was not included in the previous Pan-American Games. An attempt to secure approval for inclusion of the international trap game in 1963 Pan-Am Games is sure to be made at the Pan-American Congress fall meeting, in Chicago, site of the 1959 Pan-Am Games.

○ ○ ○

Arnold Riegger, a strong candidate for the title of Mr. Trapshooting, when he was burning up the traps a few years ago, is back at the old stand, after a two-year lay-off. And, idleness didn't hurt his shooting eye, it seems. Riegger blew the cobwebs from his shootin' iron with a victory in the doubles event at the Sahara Gun Club's Midwinter Trapshooting Tournament. The news of Riegger's return to the circuit almost overshadowed V. C. Myers' winning a new 1959 Thunderbird in the same shoot.

The Coltsman Rifle

We have tested a sample of the Colt rifle in .308 Winchester caliber. It is a well designed, well shaped, light, handy rifle with light 22" barrel. Action is the Finnish Sako, stocked and barrelled in this country. The stock is my own old Monte Carlo design of 30 years ago, that nearly every custom rifle maker in this country, as well as many of the big gun builders, have now adopted. It incorporates a good full pistol grip, Monte Carlo cheek rest, and a stock comb that slopes forward, so the comb simply slips out from under the cheek bone in recoil, rather than raising with the uplift of the arm to pound the cheek bone. Front sight ramp is a well shaped casting with plain black blade front sight held by a cross pin. This is sweated to the slim, tapered, micro-groove barrel. Detachable sling swivels and composition grip and butt plate, with well checkered grip and forestock, complete the comfortable stock picture. It is a well shaped stock for either scope or iron sight use.

The rifle tested has the usual Sako flat-top bridge and receiver with tapering dovetails for scope mount installation or for the Finnish Sako rear sight. No rear sight was sent with this rifle, but two scopes were sent, one in

(Continued on page 66)

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(Continued on page 66)



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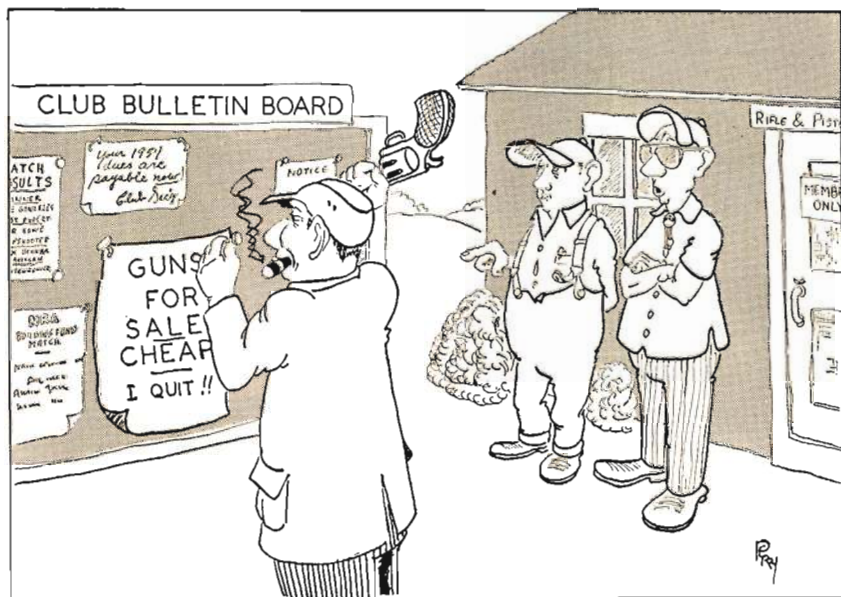
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PARTING SHOTS



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(Continued from page 64)

4X which we used and tested, and another longer scope in 6X persuasion. Reticle was a good heavy plain cross hair, large enough to be seen in most any hunting lights and to our notion just right in this 4X scope for the big game hunter.

While the 6X scope would suit many vermin shooters who shoot with rest or from prone position with sling, we consider the 4X Colt scope best for all big game requirements. You can handle it nicely off hand, and it offers an excellent flat field and good definition. Adjustments are under screw caps for windage and elevation. The unit seemed to be strong and held the scope well.

Accuracy was very good for so light and handy a rifle, and it should make an excellent little rifle for shooting deer and similar game. We had to position the scope as far forward as possible on the action for eye relief. Safety is the usual Sako safety on right rear of the cocking head, and it worked perfectly. Trigger pull, while a bit too hard, was clean and sharp. Forestock tip is contrasting colored wood, and the little rifle is pleasing in appearance. We understand the rifle is to be furnished in .243, .308, .30-06, and .300 H & H magnum calibers, in different length actions.

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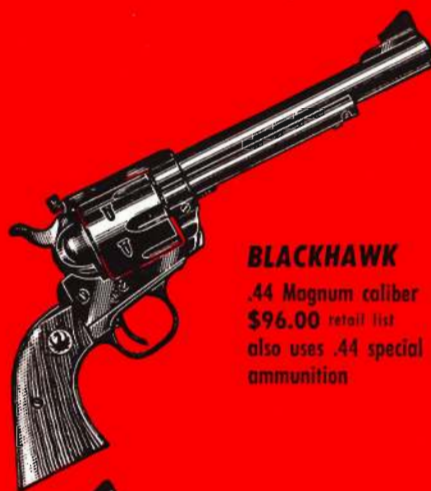
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