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Guns



GARY COOPER...
Shooting Loses a Friend

An Exclusive Report
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GUNS FOR WAR?**

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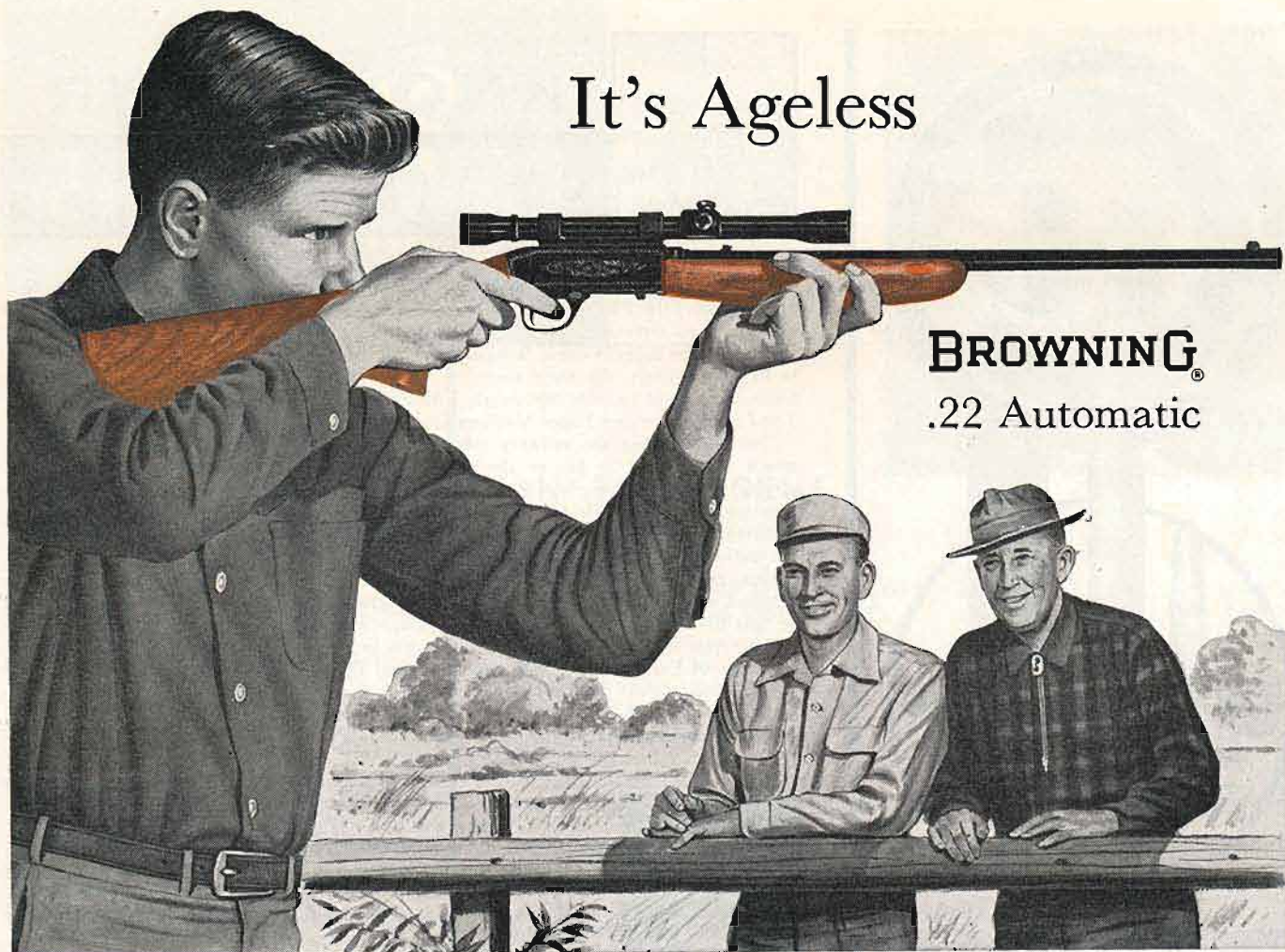


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Dept. B-8

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KNOW YOUR LAWMAKERS

Congressman Robert F. Ellsworth
2nd Dist., Kansas

I THINK THE PRINCIPLE behind the 2nd Amendment is a good one. That is, the right to keep arms meant that the people, as a collective body, could rise up in resistance. Even today, witness Hungary, I think this is an important right for the people to have. Obviously, the slave states of Eastern Europe and other parts of the world today, are afraid to trust the people with arms, I would like to quote a passage from *The Federalist*, where James Madison said.

"Notwithstanding the military establishments in the several Kingdoms of Europe, which are carried as far as the public resources will bear, the governments are afraid to trust the people with arms. And it is not certain that with this aid alone they would now be able to shake off their yokes. But were the people to possess the additional advantages of local governments chosen by themselves, who could collect the national will and direct the national force, and of officers appointed out of the militia, by those governments, and attached to them and to the militia, it may be affirmed with the greatest assurance, that the throne of every tyranny in Europe would be speedily overturned in spite of the legions which surround it."

Don't you think that is just as applicable in Hungary in 1961, as it was in many countries of Europe in the 18th century, when *The Federalist* was written?

Senator Lee Metcalf
Comm.: Interior, Insular Affairs
Montana

THE RIGHT TO KEEP and bear arms is a basic right of our American society. It is



an essential element of our representative democracy. This right does not mean that we may possess and use arms in whatever way we see fit and under whatever circumstances we think desirable. Surely, government may impose reasonable controls in the public interest. What this means in the context of our constitutional system is that these controls recognize the duty and authority of government, on the one hand, and the responsibility of the individual on the other.

Hon. Frank B. Morrison
Governor of Nebraska

IN ANSWER TO your letter concerning my views on the trend in legislation, etc., let me say that I have no statement which I wish quoted.

There is very little activity in this area now in our Legislature. In past sessions there have been efforts made to strengthen our laws regarding the possession of and carrying of firearms. For the most part these have been unsuccessful. I know of no legislation introduced to date (Jan. 61) in our current legislative session, concerning the subject.

Congressman Ralph Harvey
10th Dist., Indiana

IN RE-EXAMINING the Constitution, I am first prompted to read the Preamble. The Preamble begins "We The People" were establishing the new government, yet the people generally knew nothing about the new government and had to be sold on the whole idea. The best brains of the day were assigned the task: Madison, Hamilton, and Jay together wrote 85 articles for New York newspapers under the title *The Federalist*.

Their editorials were not aimed at the average voter, but toward the educated classes who controlled the country. Their language was stilted, but taken all together made a convincing political platform. When Americans finally got a look at their Constitution, the immediate reaction of most was that they didn't like it. To many, it was the old British Tyranny in an American disguise. It had the same power to organize standing armies and levy taxes from a distant capital. These things they had fought against in the Revolution; and to many, the 100,000 man army would be an instrument to enslave the people and rob them of their arms.

The Constitution would probably have been defeated if put to a popular vote, so it was ratified by special state conventions. New Hampshire was the decisive ninth in June of 1788, with three of the states demanding immediate amendments to guarantee human rights and property rights in the area of owning arms and ammunition. Certainly, the 2nd Amendment to our Constitution has the same significant importance today as in the early days of our Founding Fathers, and I doubt seriously if any legislation will be enacted to preclude the rights of our citizens to possess firearms.

Readers Note: All *Congressmen* may be addressed at "House Office Building," and all *Senators* at "Senate Office Building," both at "Washington 25, D. C." Address all *Governors* at: State Capitol, name of capital city, name of State.

Guns

FINEST IN THE FIREARMS FIELD

AUGUST, 1961

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THE COVER

Gary Cooper was considerably more than an actor. He was a man's man, and he was a symbol of the West's "Man With A Gun." His love of guns went beyond merely hunting with them; Coop also loved shooting for shooting's sake, at targets, plinking, just for the fun that shooting is. In his death, America has lost a part of itself, and shooting has lost a valued friend.

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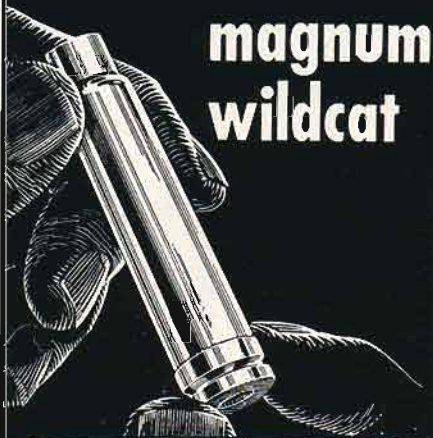


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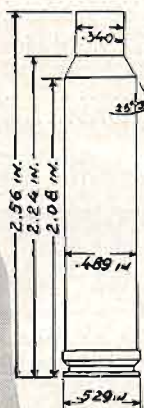
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the norma man tames the .308 magnum wildcat



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norma- precision

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

GUN RACK



Marlin's Model 99 Autoloader

In general, the .22 rimfires are not very exciting to a gun buff, but this little autoloader is different. Weighing an ounce or two less than 5½ pounds, this streamlined little beauty holds 18 rounds of .22 LR, which feed through the tubular magazine in the customary fashion. The receiver is streamlined, and has been tapped and drilled for scopes. Not having a scope handy, I fired the Model 99 with iron sights, first for function and then for record. All in all, I fired 175 rounds for tests, and am happy to report that there was not a single instance of malfunction of any kind.

Grouping of the gun was outstanding, although of course it was not in the match class. Shooting iron sights without sling from a prone position at 25 yards, repeated groups measured an average of 1¾"—rapid-fire and 18 rounds! Even heating the barrel by shooting and reloading as rapidly as possible, did not affect the grouping, and the Micro-Groove barrel performs wonderfully well. Empties are ejected to the side, thus avoiding contact of the shooter's arm with the hot brass.

The overall length of the Model 99 is 42 inches, and the gun sells for \$43.95. The Marlin 4X scope goes for an extra ten bucks, and should be a worthwhile investment. The DeLux model is priced at \$49.95 without the scope.

Greek Mannlicher-Schoenauers

The Greek 6.5 mm Mannlicher-Schoenauer is again available, a fact that will delight a lot of shooters who are very fond of the action. These guns were made in Austria by the famous Steyr works, and I have always found this action to be strong and reliable, especially in rough hunting territory. Since most of us are tinkers, the issue of these guns (rifle and carbine) should be very much in demand, especially in this caliber—a caliber that has long been neglected in its original form. Just what the assorted wildcatters will dream up is a matter of interesting conjecture, but some of the plans I have been hearing about sound most fascinating. I am playing around with one of them myself, but it will be some time before I'll be able to slip the first hull into the chamber. Guns are now available through International Firearms Co.

Old Big Bore Ammo

While giving the Model 99 a work-out, I stood by a friend who was sighting in and checking a fine British double rifle he hopes to purchase. The gun, a .450-400 Nitro, is in perfect shape, but ammo is scarce. He did manage to get ten rounds with the gun, and

of course was anxious to try his new possession. The first shot went off all right. The second one showed that the firing pin did not hit hard enough to set off the primer. On ejecting both cases, the fired case showed ruptures of the brass above the base and in the neck, the latter measuring a full ¼ inch.



Functioning and accuracy of Marlin M99 delights Bob Steindler, recent addition to GUNS' editorial family.

Another pair of cartridges performed similarly, excepting that the left barrel fired this time and the right barrel contained another dud. This Kynoch ammunition is old stuff and owners of double rifles must be certain of the health-status of their brass before contemplating any reloading. Those cannons pack enough oomph to send you to the hospital for a nice long stay if you take chances on poor brass. Experimentally, we set off some faulty rounds under controlled conditions a few years ago, and the fireworks were something to behold—fractured brass all over the place. If you can afford a double rifle, you should be able to buy new ammo, or at least new brass if you insist on loading your own.

For Trap Shooters— A Release Trigger

For some time, I have heard rumors about these release triggers and even had a chance to fire a trap gun that had been equipped with one. Normally, pulling the trigger of a gun releases the firing pin and that's when things start to happen. With the release trigger, the firing pin is activated when you start to release the trigger. It takes some getting used to, but experienced shooters in the highly competitive trap and skeet game tell me that many of them who developed a severe case of flinchitis were cured permanently of this unpleasant and score-fatal condition.

These release triggers are made and patented by Stanley Golik, who used to work in Colorado and has lately joined forces with

(Continued on page 53)

LOW COST TRAPSHOOTING

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bore and
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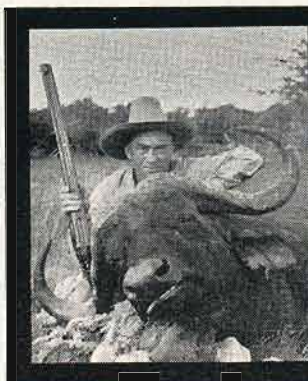
MOSSBERG SPRING TRAP MODEL 1A as
used on barrel of gun. Has base for station-
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De-oil That Barrel

Almost any heavy lubricating oil or preservative in the barrel will cause a high power rifle to shoot high for from one to three shots. While it is necessary to use a heavy oil or grease for permanent storage of rifles to prevent rust, be sure to remove all traces of it before firing the rifle if you want your rifle to print to its original zero. I have seen rifles shoot a good six inches high at 100 yards when fired with oil in the bore. I lost a fine Grant's Gazelle on my African trip because little Galu had cleaned my .333 O.K.H. with oil the night before and I had not removed it with a gasoline-soaked patch. I had a .375 Nitro Express double rifle that always shot under a dollar at 60 yards with both barrels, and one day I tried a group with it with oil in the bores. The first two shots were four inches high and wide, and the next two about 2½" high and still wide. The third pair still went an inch high and two inches wide. The fourth pair grouped right together, and the little rifle then continued to group its two barrels right on center at 60 yards.

Years ago, when I hunted coyotes for a living (in connection with raising cows and writing) I used heavy-barrel bull guns with target scopes in .300 Magnum and .280 Dubiel Magnum calibers. I found the only oil or solvent I could leave in the gun bore and not get a high first shot was Hoppes No. 9 Solvent. All heavier solvents with more oil content made the rifles shoot high for the first shot at least, and heavier powder solvents and oils would often cause them to shoot high for three shots. I tested this out with many different rifles and loads, and different oils and solvents, and came to the conclusion that if you wanted to hit with the first shot it was best to either swab the bore thoroughly with gasoline-soaked patches or else stick to Hoppes No. 9 for the cleaning agent.

All old match shooters have, at one time or another, lost their first shot high because of oil or solvents of fairly heavy oil content in the bore. Small bore shooters are usually

allowed fouling shots for this reason, but high power shooters must hit with the first as well as the last shot to get anywhere.

Another good trick I learned while serving on three .30 caliber national match teams was to leave the last case fired in the rifle chamber, then pull a small rubber nipple over the muzzle and not clean at all during the matches. I know it's against the rule of thumb to leave a rifle around the range with bolt closed, but in 1940 at Camp Perry, from the start of the matches to the finish, I simply left my last fired case in the chamber and pulled a neoprene nipple over the muzzle. I did not lose a single high shot during the entire national match course, and when I cleaned the rifle at the end of the matches, only a good brushing and some Hoppes No. 9 patches were necessary to leave the bore in perfect condition—and this during continued damp, rainy weather.

Hodgdon Plastic Jackets

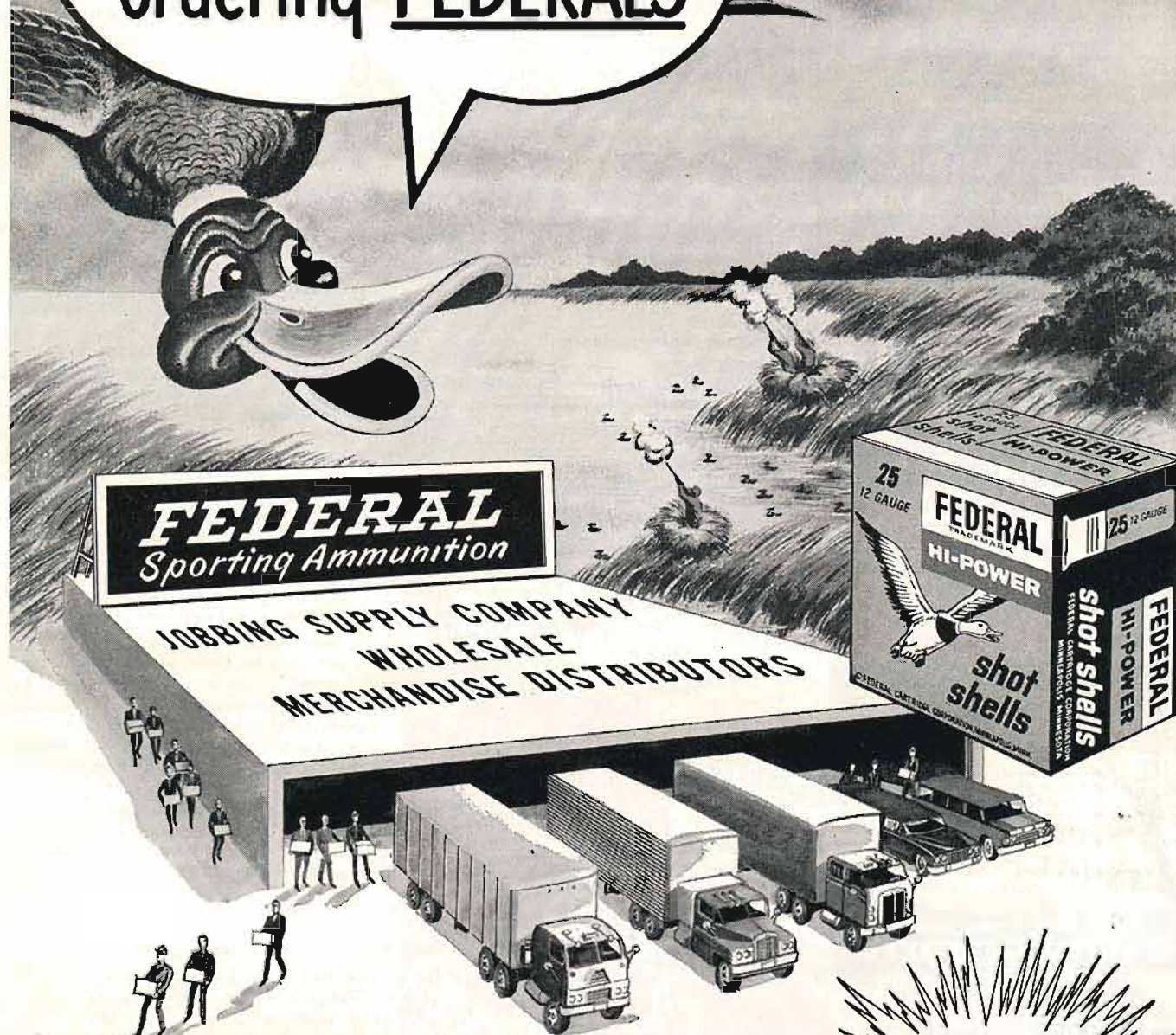
Bruce Hodgdon is now making soft lead half-jacket bullets for the .38 Special and .357 Magnum. He expects to bring them out also in .44 caliber. These are a radical departure from the usual half-jacket in that the jacket material is plastic. This material, in itself, will not lead the gun but holds the rifling. We got leading from them in our guns, due to the fact the soft lead flows back into a shapeless blob when fired with any heavy load, but they shot very well with light loads and both the soft core and the plastic jacket seem to splatter into a big mushroom on impact. Hodgdon expects to use full jackets later if he can get them properly formed so they will take the rifling full length and thus prevent the leading. The plastic jacket bullets can be expected to expand a great deal more than any metal jacketed type, as the plastic is soft and ductile in comparison to metal. I personally prefer a harder bullet for better penetration, but the new bullets should be fine for small game and low-cost practice.

New Mossberg Carbines

Two interesting carbines are among the new models in the Mossberg line for 1961: Model 642K, a .22 caliber Magnum, and Model 402, a carbine version of the popular .22 caliber lever action Palomino rifle.

The action of the .22 Magnum Carbine, Model 642K, is identical with Mossberg's three other .22 Magnums, and is intended to fill the bill with varmint shooters who prefer the carbine design because of its smaller size and ease of handling. It has an 18" barrel, is only 38¼" long over all, and
(Continued on page 66)

Looks like a
tough year ahead
Boys, They're all
ordering **FEDERALS**



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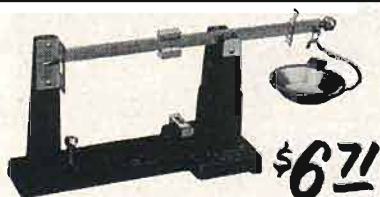
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CROSSFIRE

Good Investment

I have already got fifty dollars worth of enjoyment from the fifty cent investment I made in buying the April issue of GUNS, and I am only about half-way through it!

Being an enthusiastic booster of the accuracy and straight-line slapping power of the .222 Magnum, I especially enjoyed the article "New Gun Against Crime." I suggest that, had Mr. Edwards fired the AR-15's bullet at the $\frac{7}{8}$ " slab of CRS at a greater distance (say 50 yards), it would have penetrated cleanly instead of merely cratering. My projection here is empirical in that I have found that my own .222 Magnum will penetrate more effectively at 50 yards than at 50 feet. Evidence in support of this phenomenon is further stated in experiments performed and recorded by Dr. Franklin Weston Mann.

This somewhat paradoxical performance apparently occurs because, at a slightly greater distance from the muzzle, the bullet attains gyroscopic isostasy (stops wobbling) and therefore offers a smaller silhouette and less resistance to passing through any dense material.

Your broad latitude of coverage of guns and shooting and a well-balanced editorial policy have combined to place GUNS Magazine at the pinnacle of leadership in a field that has become one of the most competitive in the realm of journalism.

H. Daniel Cotterman
Sierra Madre, Cal.

No Nostalgia

I was very much interested in Warren Sipe's article on the Lee Navy 6 mm. "straight pull" (as it was called then) rifle, which appeared in the February issue of GUNS.

I do not hold any nostalgic memories of that abortion. We used to do the manual of arms with it at Camp Perry boot camp, Great Lakes Naval Training Station, Great Lakes, Illinois, during the month of July, 1918. It sure was a clumsy number to handle. All we did with it was to drill. We used the 1903 model Springfield at the range.

G. W. Helm
Los Angeles 35, California

Praise for Bellah

The article by Kent Bellah in your GUNS QUARTERLY Vol. 3 titled "A First Reader For Hand Loaders" is more than worth the price of the entire magazine. However, I wish to point out that the Hollywood Senior and the Redding loading presses are not C type tools. Hollywood Senior and Redding, as well as the C-H Magnum and the Dunbar loading presses, are commonly known as H type tools, and are considered by most hand-

loaders to be objectively superior to all C type tools.

I have found your magazine to be the finest publication of its kind ever printed, and look forward to future copies.

John R. Winter
Roannc, Indiana

Reader Winter is partly right, but so is Bellah. Strictly speaking, these tools are neither C nor H type, but since their structure is closer to the "C's" rather than the "H" types, they are usually classified as such.
—Editors

Ooops!

The article "The Gun That Fired the Fatal Shot" ("Guns Quarterly," Vol. IV) by William B. Edwards, was interesting, but it caused me a great deal of work answering inquiries about the building to the north of Ford's Theatre in your photograph on page 43.

May I point out that the negative was reversed in printing and that the building in question is the *Star Saloon* which was to the south of the theatre in 1865.

G. J. Olszewski, Ph.D.
Historian, Ford's Theatre
Washington, D. C.

Sorry, Doctor. We published the picture the way we received it, which doesn't help you but does ease our consciences. However, we never could tell north from south in Washington—no pun intended.—Editor.

A Plea From A Teen-ager

I've been reading GUNS for two years now, and I have decided that it's about time I told you how much I enjoy reading your article "Know Your Lawmakers."

I really think that you are doing a fine job telling us gun owners how the legislators of this nation think about the Second Amendment. I hope that you and others in influential positions will continue the fight for our rights, so that we younger fellows will be able to enjoy your guns when we are older. Keep up the good work.

Rick Engel
Omaha, Nebraska

News From Down Under

I enjoyed reading your magazine and learning what is going on in your country. Things are very restricted here; foxes and rabbits are the only game available to me, and scarce at that. Crows are plentiful, and there are a few ducks in the open season. Although kangaroos are not far away, they are protected by law in this part.

Worse than that, the gun laws are tough! Shotguns and .22 rimfire rifles are allowed generally, but have to be licensed at the police station and permit obtained before purchase. Centre fire rifles from .22 Hornet

up are not allowed to the general public at all. Handguns are out of the question. A farmer like myself, if he is very lucky and can show the police he has need for a centre fire rifle to destroy vermin on his property, may be allowed a license. I have been trying stubbornly the past few weeks for a .222 Remington 722. My story is that the foxes are bad at lambing time.

A. Morgan
Burgess Siding, West Australia

We Love You, Too

I was not amazed, only disgusted, to receive my most recent invitation to join your Sucker List. Lets be plain, or blunt, I jest aint interested. Not Nohow!! Let me explain:

First, I am forced to consider Mr. Popowski as more Hunbug artist than anything else. Any thing he may have to say, Is, in my opinion, better off left unsaid. I long since got tired of paying for suport of someone who can write not better than he can.

Second, I am loosing my respect for Mr. Keith, but fast! At one time, Mr. Keith put a small amount of good common sense in his writings. Not Any more! I no longer waste time and eyesight reading his Line! That is correct! I said Line! It is the common consensus of opinion among shooters that Mr. Keith has parlayed a line into a high paying racket. Persons who are real gun-in-the-hand shooters, Of any kind, soon learn to differentiate between Mr. Keith and real shooting facts. Let's put it this way, If I'm going to pay freight on a Safari to Africa, It'll be mine, Not Mr. Keith. I do give Mr. Keith credit for one thing. So far I've not had the miss-fortune to catch him recommending crazy loads for any gun. Apparently he is quite some bit smarter than Mr. Bellah that way. Give Mr. Keith credit where it is due.

The Third and to me, most obnoxious of the three is none other than your hero, Mr. Kent Bellah! That is one person that you should get a slight attack of Brinitis and steer clear of!! To me, and to most other persons who have ever loaded enough ammo to say they are hand-loaders, Mr. Bellah is like any other Texan, All wind, and nothing else.

A friend of mine, who is a free-lance wroter has differed with me. He says that if I ever hope to sell you an article for publication, I shouldnt chastise you so severely. Well, My opinion is, That if I couldn't write better articles than any I ever read in any of your back-issues, I better not be trying to foist them on an innocent and un-suspecting public.

Clinton H. Wallace
Mazomanie, Wisconsin

Our Freedom

We must all do our share to keep our fire-arms. The seriousness of the situation mounts each time an anti-firearms law is put into effect. The right to bear arms is our freedom and our heritage. This right, this freedom, this privilege must never be taken from the American people.

Once legislation starts moving in any given direction, it is so easy for it to continue. This has been the case with firearms. Since the first firearms legislation was enacted there has been a continued effort on the part of the law-making bodies to promote anti-fire-arms laws. This effort must be reversed if our

nation is to remain the solid and substantial block of freedom that it has been down through our history as a free and democratic society.

James L. Collins, Jr.
Granite City, Illinois

Liked Lachuk

Your article, "They Shot It Out At Vegas," by John Lachuk, in the April issue, was very much to my liking. I would like to see more stories about this fast-coming sport of fast draw.

In this article, Mr. Lachuk mentioned Ed McGivern's book, "Fast and Fancy Revolver Shooting." I was wondering if you could forward me an address for this book, if it is still available.

Fred Hilton
Kelowna, B. C., Canada

Try book dealers advertising in this issue.
—Editor.

My compliments to John Lachuk on his article in the April issue. I would like to mention one thing that he did not stress. I have been in fast draw competition for almost two years as a member of the Tucson Thumbbusters Fast Draw Club. I have without a doubt met more true friends and some of the finest people in the world in this sport. It is a sport in which both rich and poor can work together with common interest and mutual enjoyment.

I enjoy your magazine very much and look forward to each issue. I hope to see you print many more articles concerned with fast draw. Thank you very much.

Jack Keeton
Poncha Springs, Colo.

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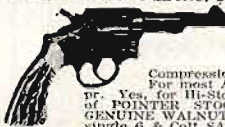
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HANDLOADING BENCH

By KENT BELLAH



NEW PRODUCTS

SINCE GUNS Magazine was created to fill a needed void in the periodical field, handloading has grown like Jack's bean stalk. We Hull Fillers & Cap Busters have to keep up with new products to enjoy many happy hours of wholesome, inexpensive fun behind our "Gunpowder Curtain." Our hobby is booming! No longer are we trying to clobber-up crummy fodder for minimum cost shooting. We dedicated gunners are willing to spend a few hard-earned bucks to enjoy assembling precision ammo that performs like a circus lion, and goes after meat the same way. That we save up to 90 per cent is merely a fringe benefit.

Colt, who made a rampant horse famous as a symbol of quality guns for 125 years, is celebrating their 125th Anniversary by bringing out some fine new models. You know about it, of course, unless you read only Braille. Colt's prestige revolver, the Python .357, available since 1955 with a 6" barrel, can now be had with a 4" tube. The short gun is my favorite; a fast cocking, fast handling, target grade holster gun, good for everything from targets to hunting.

Colt's new Gold Cup National Match .38 Special auto pistol is exactly what many target shooters have long wanted. It's a match grade, across-the-counter pistol to match the famed Gold Cup National Match .45 ACP. Identical outside to its big brother, the guts are new, with many improved features. One good Colt "first" is a floating barrel that recoils straight back to improve accuracy. It is not mounted on a link. A patented bushing keeps even pressure between the barrel and slide at all times. This is not a gun review, so let's skip the other desirable features.

Ex-U.S. Marshal R. B. Smith, and D. L. Cooper, the Texas exhibition shooter, helped give my gun a work-out. Both of these top shooters liked the way it grouped and functioned with both factory fodder and reloads. No doubt the new long, sloping feed ramp aids perfect functioning with wadcutters. The .38 Special wadcutters are easier to assemble than .45 ACP stuff.

We found a good reload in W-W cases trimmed 1.142" was a Hensley & Gibbs No. 50 Bevel Base, cast by Accuracy Bullet Co., 40 Willard St., San Francisco 18, Calif. Geo. E. Murphy, head of Accuracy, has shot in competition over 25 years. He knows his bullets, having made extensive accuracy tests. This particular pill is 2.3-95 tin-antimony-lead. The 3.2 grains 5056 kicked off by C.C.I. No. 500 primers shot beautifully and functioned perfectly. Loading was on a Star machine with a light crimp. You may

get tighter groups by varying the charge a few tenths up or down. If you cast bullets I do not recommend mixing an antimonial alloy. A better deal is a good commercial mix, such as Illinois Bullet Alloy No. 4 or 7. If you mix your own, try a lead-tin mix, about 14:1, working up or down a bit for testing.

Speer's new 140 grain 6.5 mm pill is a dandy. It's now designed with a long ogive so it can be seated the same as factory bullets in the .264 Winchester Magnum without engaging the lands. The No. 4 Speer Manual, a bargain at \$2.75, lists 72 loads for the .264. All I've tried were excellent, using a Browning rifle with Weaver's excellent V8 scope in the sturdy Buehler mounts. The 140 grain pill is my choice in this caliber, good for varmints or game.

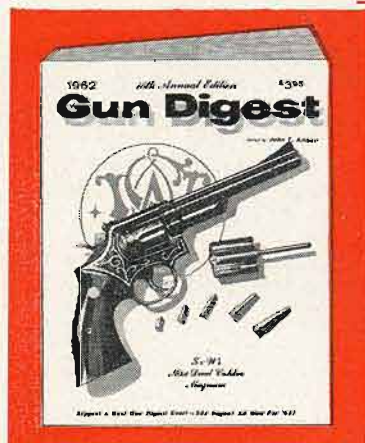
Speers do a whale of a lot of test shooting, probably one reason their bullets are so good. It pays to compare notes, so I asked Ray Speer what he thought about the new C.C.I. No. 250 Magnum primers, with normal charges of powder. Ray said, "Tests indicate they may be used in place of standard primers. But if you have a load so hot it's near the primer leakage stage, cut the charge a grain or so as the pressure peak comes slightly earlier."

This agrees exactly with my tests. I got fast, perfect ignition in all loads tested in a .30-30, .30-06, and .300 Weatherby, using the usual charges. Reloaders will appreciate the better ignition with very little increased primer gas, and especially with slow, hard-to-ignite powders, such as 4350, 4831, and others. We tested some of these powders with half charges in a .30-06 and got excellent ignition. (This isn't recommended for shooting. It's strictly a test for ignition.) You do not get the high pressure in medium calibers and normal charges that you get with a Weatherby Magnum No. 215 primer. Weatherby advises that this hot primer should be used in their cartridges, but the new C.C.I. kicks off Weatherby charges well. The only job of a primer is to ignite powder quickly, and the less gas it makes the better. More dope will be on C.C.I.'s new creations in a future column.

C-H's Swag-O-Matic bullet press that I've mentioned before is selling like hot cakes. It's amazing that such fine swaging dies can be made for only \$9.00 for this unit. Bullets are excellent, and extremely uniform in weight. The several sets of dies we have used in various calibers had no faults that we could detect. Exhibition shooting requires extreme accuracy. Cooper used C-H Swag-O-Matic bullets in his demonstrations (Continued on page 54)

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The author casts a longing glance at a number of guns, cartridges and sporting helps that are no longer with us. Many of them would be highly usable today, he contends, and he calls the new Ruger 44 Magnum Carbine a logical step in the right—i.e. revolutionary—direction, an antidote for the ultra-high-velocity addicts.

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by Carlos Vinson
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by Tom McNally
Mozambique is that country, and here's McNally's lively commentary on a recent and extensive hunting trip to that last stronghold of African game. Tom also gives all of the factual information you'll need to make your own safari—costs, rifles and cartridges, equipment—and you'd better go while the going is good.

NEW LOADS MAKE NEWS

by Robert Hutton
Two new high-accuracy 6mm's and two new Norma magnums—the 308 and 358—are exciting bench-resters and big game hunters alike. Here's a critical TEST-FIRE Report on all 4 of 'em.

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U.S. HANDGUNS 1961-1962

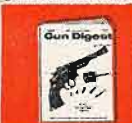
by Kent Bellah
All of the latest American pistols and revolvers are reported on in thorough detail—read the full story on the new and exciting Smith & Wesson 22 Jet Center-fire, the gun on our front cover.

KNOCK DOWN, NOTHING

by Warren Page
Are animals ever actually ever knocked down by a game bullet, "knocked kicking"? You may not agree, but the killer of 200-odd big game animals insists that they aren't ever bowled over.

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by Frank Barnes
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KENTUCKY RIFLES—fact or fiction

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by John du Mont
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Safety rules, tips and precautions that should be heeded by professionals and amateurs alike when handling old, new or unfamiliar firearms.

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Sports Afield's Gun Editor gives excellent advice—and—equally important—he tells why. Learn to shoot that one gun right, and you will be a far better shot.

HANDGUN BULLET SWAGING

by Kent Bellah
This fast-growing hobby is covered in detail. Basic handloading fundamentals and tips for the advanced reloader are included.

NEW CASES FROM OLD

by George C. Nonte
New guns using old, obsolete cartridges can be made to fire again, thanks to this detailed explanation of using available brass to make up one time fodder.

SHORT SHORTS

by Jim Horton
22BB Caps and 22CB Caps were abandoned years ago by U.S. ammo makers, yet millions of them in imported variety are consumed annually. Here is a rundown on how well they shoot.

357 MAGNUM—MOST PRACTICAL HANDGUN

by Robert V. Thompson
A long time handgunner and reloader gives his reasons for the selection of the 357.

VARIABLE POWER SCOPES

by Bob Bell
Last year we field tested all of the low power hunting scopes available, with every one of them mounted on a rifle and shot for practical, factual results. The article covering those extensive tests was so popular that we next tested in the same rigid fashion 13 models of variable power scopes—you'll find the results in the '62 GUN DIGEST, complete with exhaustive tables.

RIFLE AND SHOTGUN CARE

by Bob Tremaine
More guns, says the author, have been harmed by over cleaning than the reverse, and he pretty well proves his point.

MILTON FARROW AND HIS RIFLES

by Richard H. Chamberlain
A fascinating history of this great riflemaker and great shooter of the late 1800's and the products of his design. Included is a reproduction of a rare Farrow Arms Co. catalog of 1889.

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by Gil Hebard
The author covers all of the basic steps to help you become a pistol champion—from plinking to registered matches. Guns, equipment and clubs are discussed, and a group of the nation's top champions give their secrets of success.

PLASTIC SHOTSHELLS

by Jim Horton
Biggest shotshell news in years was Remington's SP (Steel-Plastic) shotshells. Here's how they perform, data on their adaptability to hand-loading and comment on their usefulness.

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by Bradford Angier
The author lives year-round in moose country, he's hunted them for many years, and highly successfully. If you ever intend to hunt Alces, read Moose!

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by P. O. Ackley
Parker Ackley believes many are dead—here are some 20 cartridges he feels will survive, along with full loading data on each of them.

HUNTING THE SEA OTTER

by Jack McPhee
An interesting and instructive account of a long gone and strange form of market hunting, the rifles and loads used, the technique, etc.

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Pull!

BY DICK MILLER

TRAPSHOOTERS from all over this North American continent are busy warming up for that greatest of sports tournaments, the Grand American. The Grand will be held this year on the dates of August 21 through 26, with Preliminary Days on August 18, 19, and 20.

If you are a trapshooter, you'll want to enter all the tournament events you can before the Big One; and, if you are not a shooter, you will certainly enjoy seeing not only the Grand but some of the pre-Grand tournaments that dot the continent between this date and the big dates in August.

No matter where you live, there's a colorful and exciting tournament scheduled near you in July and August. And, chances are, no matter which trapshooting tournament you attend, you will see some shooter who may or may not win the event you are watching, but when the firing has finished at Vandalia, Ohio, on August 26, will be in the winner's circle for top performance over the traps.

Here's some of the line-up for July and August. The Montana-Wyoming Championships will be decided at Billings Trap Club, Billings, Montana, on July 1-2.

Portland Gun Club, Portland, Oregon, will play host to the ATA Western Tribute Shoot July 1-4.

Detroit Gun Club, Detroit, Michigan, will host the Michigan State Championships July 7-8-9.

The Hawkeye Handicap is on tap at Fort Dodge Gun Club, in Ft. Dodge, Iowa, July 8-9.

If you are way out on the West Coast, you will want to see and/or shoot in the Pot-O-Gold Trap-O-Rama at Golden Valley Gun Club, Pacoima, California, on the same July 8-9 dates.

The Minnesota state winners will be returned from the state shoot at Blooming Prairie Gun Club July 13-16.

Montana state winners will be decided at Great Falls Trap and Skeet Club on the same dates, and Hoosier champions (hot-shots) will also be designated during the same four days, at Kingen Gun Club, McCordsville (for the first time).

Over in Pennsylvania, the Konne-Yaut Indians, trapshooting type, will hold a tribal conclave at Conneaut Lake, also on the July 13-16 dates.

The Great Western Handicap is scheduled at Wichita Gun Club, Wichita, Kansas, July 14-15-16.

Two days, July 15-16, will be devoted to the New Hampshire state tournament, at Franconia.

The ATA Western Zone Shoot will be hosted in 1961 by Calgary Gun Club, across the border in Canada, July 19-23.

One of the real milestones in trapshooting history takes place July 20-23, when the Rochester-Brooks Gun Club offers the Centennial State Shoot-100th Annual Empire State Shoot. How many sports can you name that will be holding their 100th annual state tournament in 1961? Pull! congratulations go to the Rochester-Brooks Gun Club, and to New York state trapshooters on the anniversary of their Centennial event.

Greenbrier Gun Club, White Sulphur Springs, West Virginia, hosts the club's 5th Annual Open Championships July 21-23.

North Dakota and Wisconsin state shoots will be held on the same dates. Minot Gun Club, Minot, N. D., is the scene of the North Dakota events, and Waukesha Gun Club entertains the aspiring Wisconsin gunners.

Downstate in Illinois, Illini Indians put on war paint at Stifel Gun Club, Casey, July 22-23.

The Maine state shoot will be run off on the same two days, at Waterville Gun Club.

The Iowa State Shoot gets August off to a good start, at Cedar Falls, running from the 3rd through the 6th.

Check Gun Club, down at Clinton, Indiana, offers the Annual Wabash Valley Championships August 5-6.

Washington, D. C., residents are warned that the shooting they will hear on August 5-6 does not mean that the Capitol is under siege. It's only the state shoot, out at National Capitol Gun Club.

Mohegan Rod and Gun Club, Newtown, Connecticut, honors Al Schullburch with the Al Schullburch Memorial Shoot on August 6.

The ATA Central Zone Shoot will be shot over the traps of Maywood Sportsmen's Club, just off the Illinois Tollway, Maywood, Illinois, on July 11-12-13.

The 10th Annual Midland Empire Handicap is the offering of Billings Trap Club, out in Montana, for August 12-13.

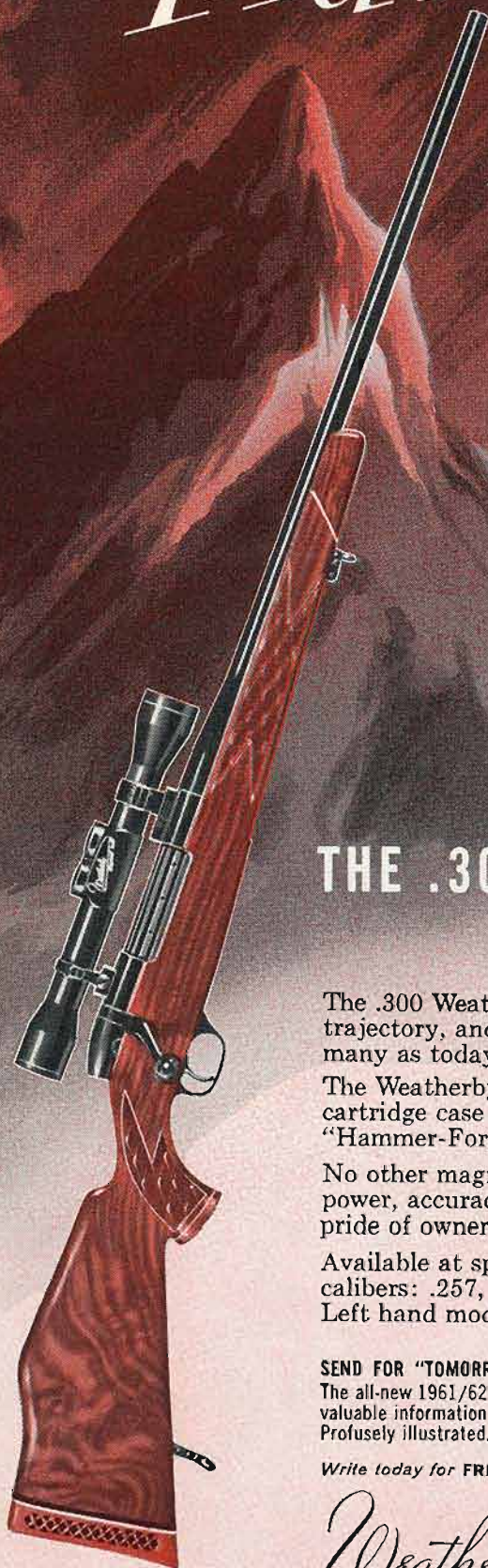
Fort Dodge Gun Club, in the Hawkeye state, has scheduled its Annual Fall Trophy Shoot for those same dates.

By this time, with the help of thousands of tournaments offered weekly by other gun clubs all over this nation and continent, trapshooters will be ready for the biggest test of all, at Vandalia, Ohio, in the Roaring Grand, August 18 through 26, inclusive of preliminary days.

Shooters know that the winner could be a friend, a buddy, a competitor they have beaten in every shooting match up 'til this date, or even themselves. If you are a sports-minded or shooting-minded spectator or, you will never regret it if you will drop in on the Grand, on U.S. 40, just West of Vandalia, Ohio, and watch the fun.

(Continued on page 63)

Thunderbolt Power!



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The .300 Weatherby Magnum with its tremendous velocity, flatter trajectory, and greater remaining energy at extreme ranges is rated by many as today's top game killer.

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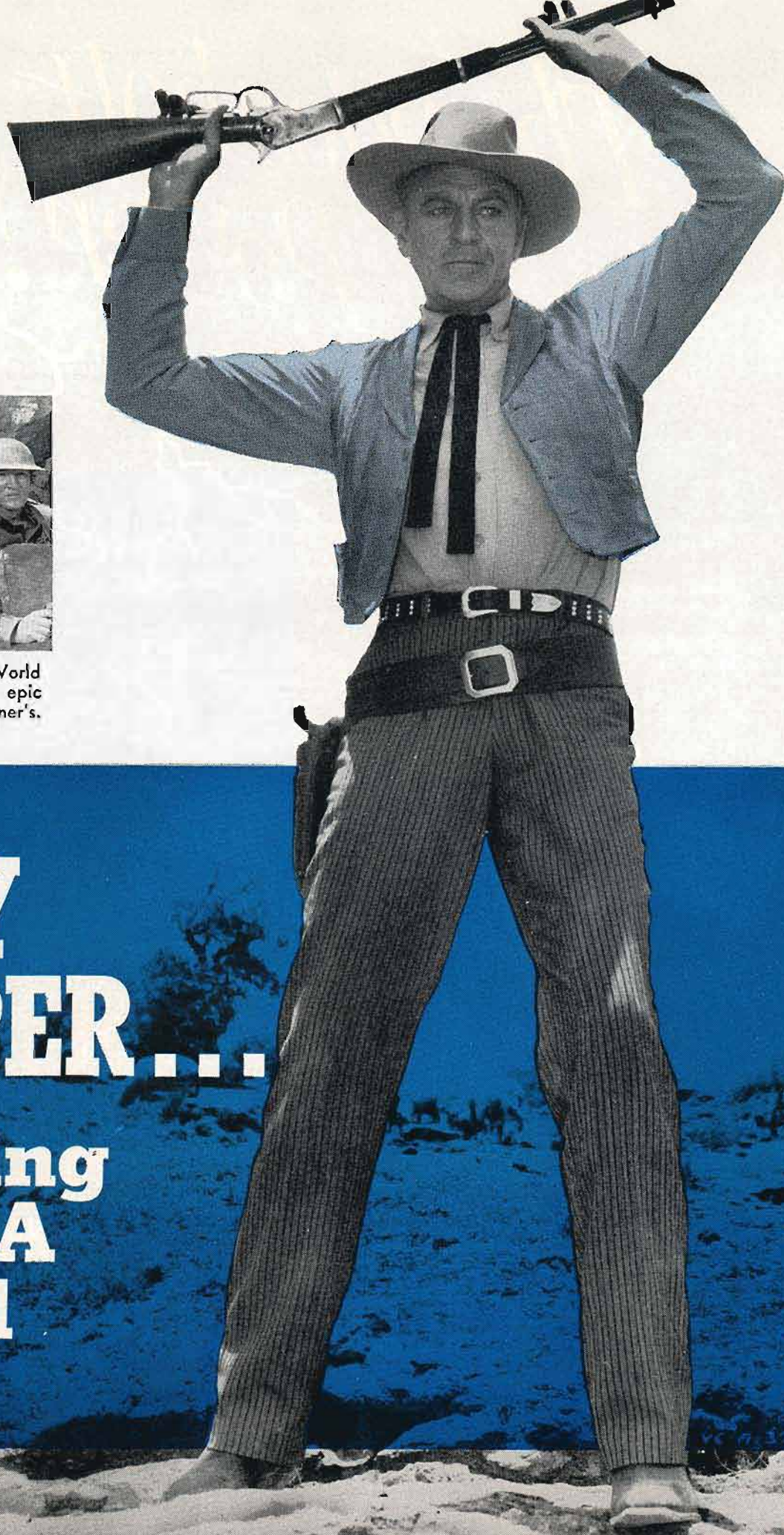
Prices slightly higher in Canada



A much younger Cooper plays World War I hero in moving picture epic "Sergeant York," made by Warner's.

GARY COOPER....

Shooting Loses A Friend



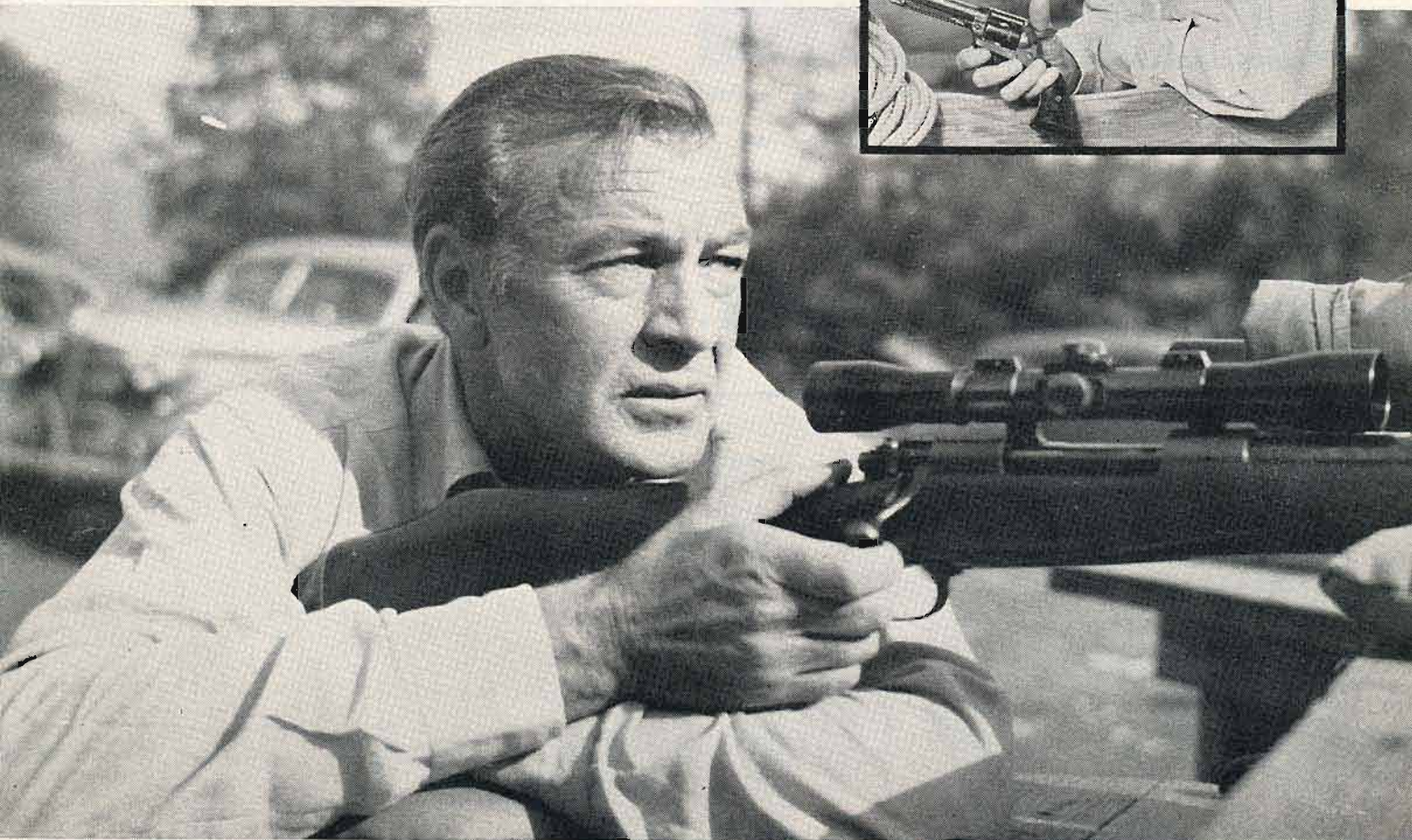
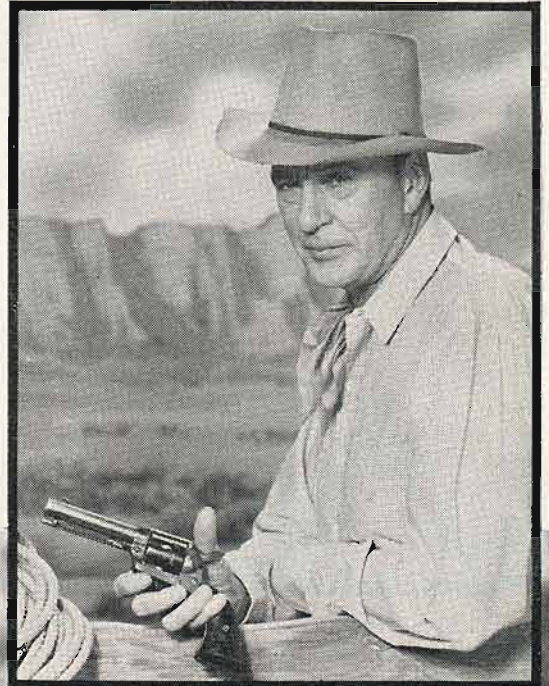
THE WAY THEY TELL THE STORY in Hollywood, a tall lanky guy in a beautifully British tailored suit (but with a saddleman's hitch in his git-along) sauntered into a Long Beach shooting gallery and asked if it would be all right for him to shoot a few. They say the gallery manager didn't recognize him. This sounds incredible, but a lot of people didn't recognize Gary Cooper in the Savile Row suits he wore; people remembered him in Western garb. Or maybe the man recognized him all right, hoped others would too, figured he would draw a crowd.

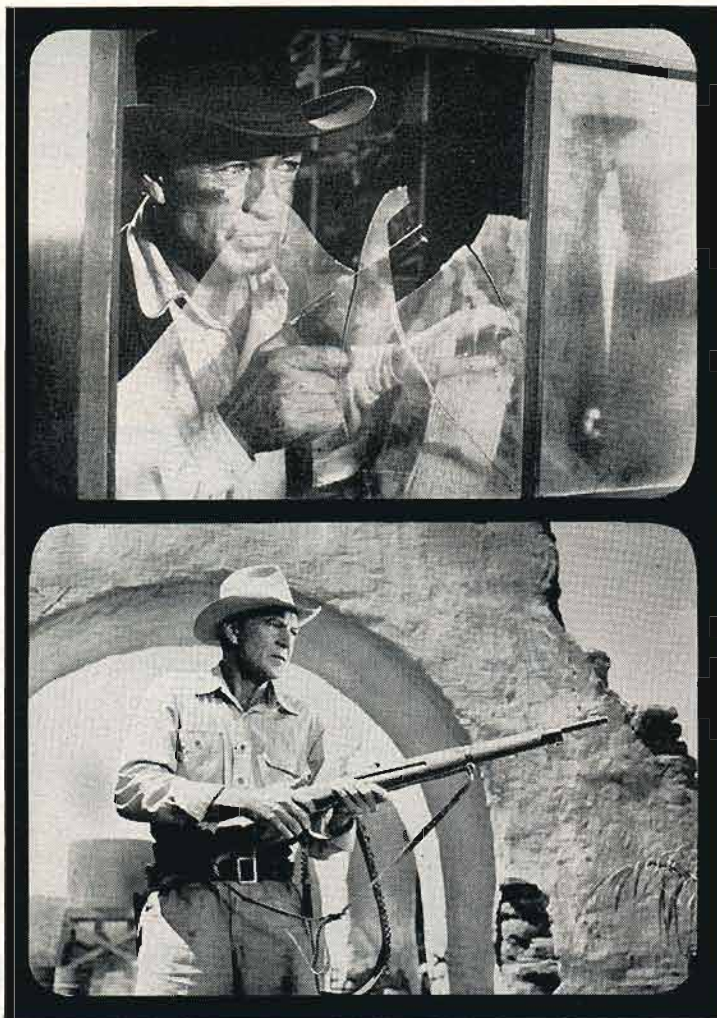
Cooper missed once, learned from the miss how the rifle was sighted, and began knocking down targets. He won doll after doll, shooting like clockwork. The manager finally stopped him. "That's all, mister. You've won 'em all. I'm out o' business till I get more dolls."

Coop grinned and laid down the rifle. "You're back in business. I don't want the dolls. How much do I owe you?"

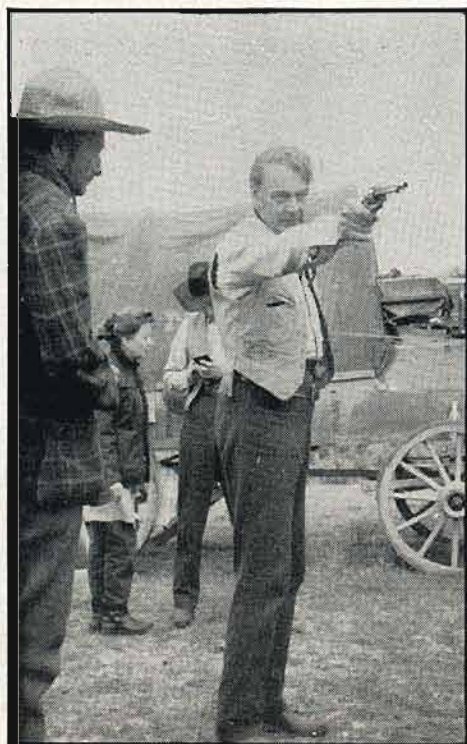
I asked Rodd Redwing about this story, and he chuckled. "It's a story they tell," he told me, "and it could be true. Coop was the best marksman with a rifle or with a pistol of any of the stars, and good enough with a shotgun, too, in field shooting. He was a real shooter; a good hunter—an awful lot of the trophies in Paramount's properties showrooms are Cooper's—but he liked shooting at targets too. Lots of actors don't, and lots of hunters don't either. But Coop liked shooting, and he liked the precision of target marksmanship. I worked with him on a number of pictures, and coached him on certain points for his role as Wild Bill Hickok in 'The Plainsman;' but

Whether as the westerner he typified so often and so well (as in recent NBC-TV program "The Real West," right), or sighting in a pet rifle on targets, Cooper's love for guns was genuine.





Cooper's part in Kramer Productions pic "High Noon" sealed his position as king of the cowboy stars. Earlier starring role pictured was in Warner Bros. picture, "Blowing Wild."



GARY COOPER...



On set (at left) Coop liked to target shoot his Single Action for practice. He was well cast as star of movie "Springfield Rifle," by Warner Bros., depicting the advent of new weapons in the Indian wars in the Old West.

Coop didn't need anybody to tell him how to handle a firearm. Or how to ride a horse, either. He was the best rider in the film colony."

Coming from one of Hollywood's top gun coaches and exhibition shooters, this is praise from an expert. I asked Redwing also about Cooper's draw. "He was fast," Rodd told me. "He wasn't interested in speed for speed's sake, like the boys who shoot against the electronic timers, but he was a good, workmanlike hand with a sixgun. He always gave you the feeling that, if there were live loads in those Single Actions, he'd be the man left standing, no matter what the timer might say about somebody else being faster."

That feeling of Cooper's competence—with firearms, or in the saddle, or in any situation—may well be a clue to his stature as an actor, as an American hero. He never wore the swagger of the hero; he played Mr. Average Guy, a little at a loss for words; with an average guy's propensity to fumble, to look awkward, to seem unsure what to do with his hands or feet. But you never doubted his sincerity, and you felt that he would muddle through, somehow, no matter what.

The "hitch in his git-along" (to use an old cowboy phrase that seems peculiarly apt in speaking of America's most typical cowboy) was a hardly perceptible limp resulting from a broken hip incurred in a boyhood accident. It gave him the slightly bow-legged gait of a saddle tramp, which Cooper actually never was. He did work cattle for a couple of years on his father's Montana ranch, but he was hardly an up-from-the-branding-pen cowboy in the working sense; after all, he attended public school in England, majored in art at Grinnell College in Iowa, left there at the end of his third year to study art in a Chicago school.

The cracked hip was not Cooper's only wound; he broke into the movies as a stunt rider, suffered all the breaks, sprains, and bruises of that calling. A fall during that period damaged his right shoulder so badly that he could not lift his right arm above his head. When he played Lou Gehrig in "Pride of the Yankees," he had to learn to throw again; and because

(Continued on page 38)

Today's Tip For Fall Hunting: **CARBINE LENGTH FOR SHOTGUN LOADS**

By LARRY S. STREET



Remington Model 10 (top) with twenty inch cylinder barrel. Below is author's Stevens, Model 620, with Vari-Choke and Recoil Eliminator; barrel length is 23", including choke device. Guns handle fast in brush and field.

DO YOU OWN an Ithaca M 37, Savage M 720, Stevens M 520 or M 620, Remington M 10, M 11, or M 31, or a Winchester M 12, 12 gauge shotgun with barrel threads so worn that the gun is no longer safe to shoot? Or maybe you have a 30" full choke barrel and wish you had a shorter barrel with more open choke for use on quail or rabbits?

If you do own one of the above guns and can't afford the \$20 to \$30, or more, that a new barrel from the factory costs, providing it is even available, don't give up hope. Try a surplus 'riot' gun barrel. Such barrels are available for most of the shotguns listed above, at a cost from \$1.50 to approximately \$5.00. To see if a barrel is available for your particular shotgun, check the advertisements in your favorite gun magazine. You'll find a number of firms offering these barrels for sale.

You're interested, but what can you expect for your money? These barrels will be 20" in length and cylinder bored. At 40 yards, according to factory figures, such barrels should put 25-35 per cent of the shot load in a 30" circle. All the barrels will have a bead front sight of some type. The Stevens M 520, M 620, and Remington M 10 barrels will usually be complete with the barrel head or barrel yoke. Barrels for the Savage M 720, the Remington M 11, and the Winchester M 12, may or may not be complete with the Barrel Extension or Receiver Extension. It is best to check this before making a purchase, as such an extension will cost \$7 to \$10 and is needed to make the barrel useable.

(Continued on page 65)

FOR SHOT OR SLUG, SHORT GUNS PAY OFF IN HANDLING QUALITY



Any of the 3 slugs, fired off-hand from 50 yds. with Remington Model 10 would have stopped buck.

A Champion Tells How To WIN!



Tournament shooting is strenuous. Bill Toney spots for fellow shooter while awaiting his relay.

By BILL TONEY

YOUR LAST FEW practice scores have been pretty gratifying, and you begin to wonder (very privately, of course) how you would make out in big-time competition. You can shoot good scores with a pistol, or with a rifle, or you can break a lot of clays with a shotgun, so why couldn't you do all right in competition? The answer is that you might do very well indeed; but there will be problems in tournament shooting (whether rifle, shotgun, or pistol) that you never encountered on your practice range, and facing them in advance can prepare you for them. Let's have a look at those problems.

You need to know the rules of any game you play, and shooting is no exception. Knowing the rules will save you the upsetting (and score-spoiling) embarrassment of

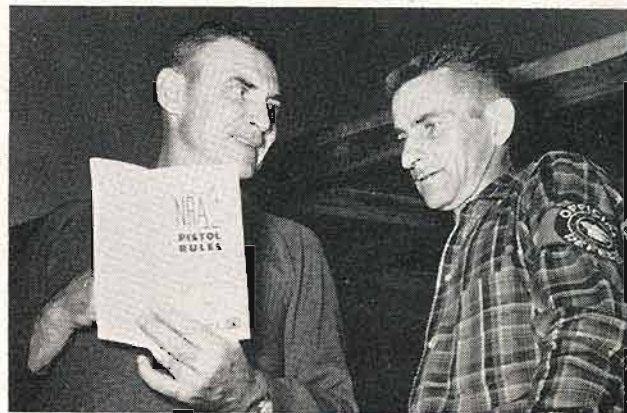
GOOD MATCH SCORES ARE HARD ENOUGH TO MAKE WITHOUT GOOFING THEM AWAY BY IGNORANCE OR CARELESSNESS

censure for inadvertent violations; and it can work the other way as well, by removing self-imposed handicaps created by not doing something that may be both helpful and legal. You should know what to do, how to do it, and what your rights and procedures are in the case of a difference of opinion between you and the match officials or other competitors. Learning these things before the match is a lot better than learning them by unpleasant experience.

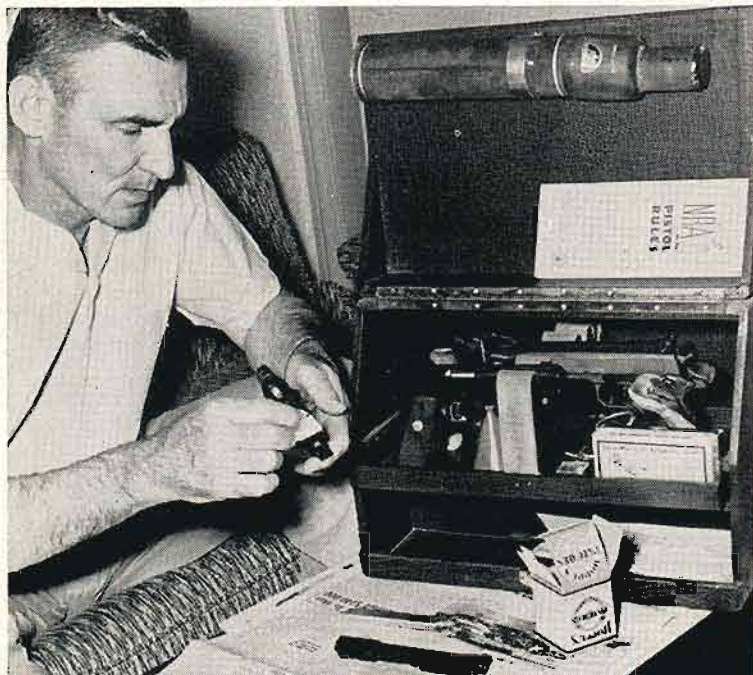
There is a book of rules for every type of shooting competition. Get one, and study it. These rules are clear, concise, and rigidly inflexible when properly enforced. They tell you what guns you may use, and what ammunition; what sights, what alterations are permissible and which are not. It really doesn't make sense to travel to a pistol match, for instance, and then find yourself barred from the firing line because your gun has too light a trigger pull, yet this has happened. Read the rule book; be sure that your guns and equipment are correct and legal, that you know how you will be expected to conduct yourself. Know your rights as well as the restrictions.

In addition to the books of rules governing competition in your shooting sports, programs are published for all important tournaments which set forth the sequences of matches and the rules governing that particular meet. These programs are available well in advance of the meet. Get one, and study it. You can lose a lot of points, in a lot of ways, by not being familiar with the program. For instance:

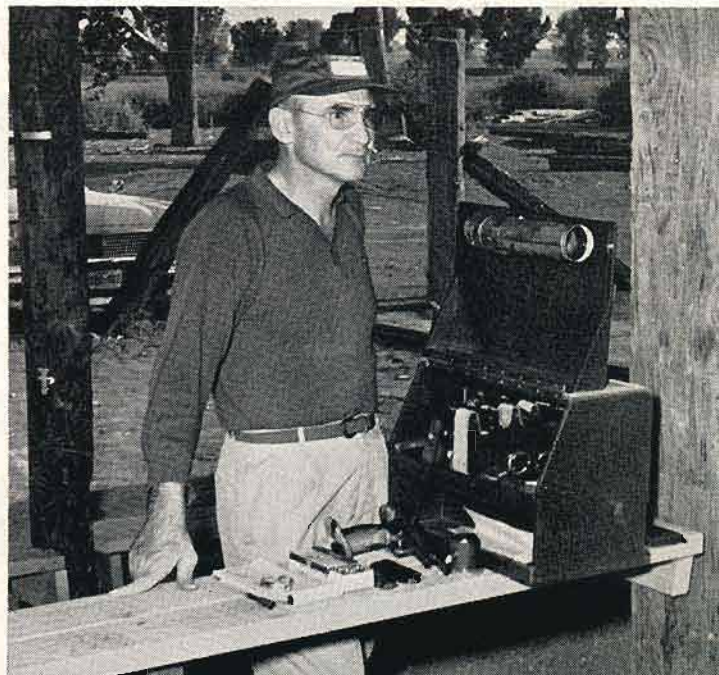
(Continued on page 46)



At end of match trophies are displayed, explained to visitor. During match, courtesy, friendliness to officials, are musts, show good sportsmanship.



Competitor's equipment must be in top shape. Care now pays dividends on firing-line when every point counts.



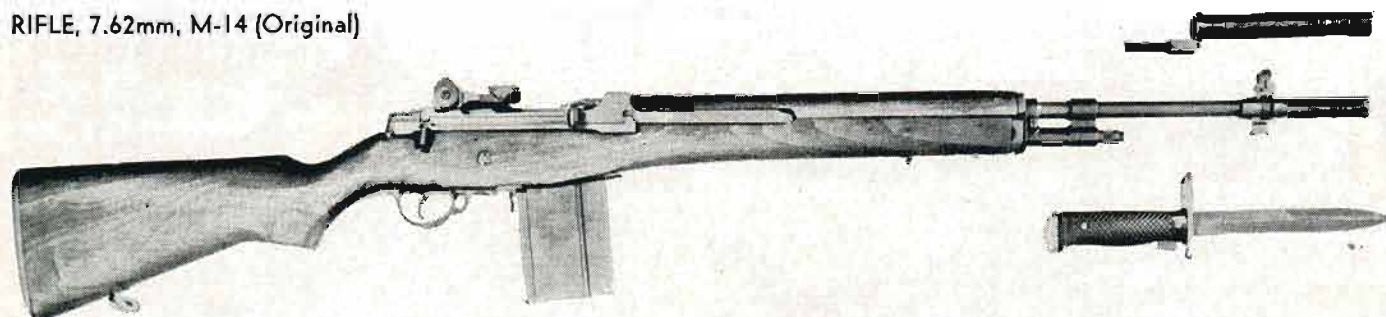
With all equipment spread out in proper order, Toney awaits range officer's "Is the line ready?"



Light rifle program to replace bulky M-1 (right) with lighter, shorter new gun culminated in M-14 (left), formerly called T-44, and is inches longer, half pound heavier.

WHERE ARE OUR

RIFLE, 7.62mm, M-14 (Original)



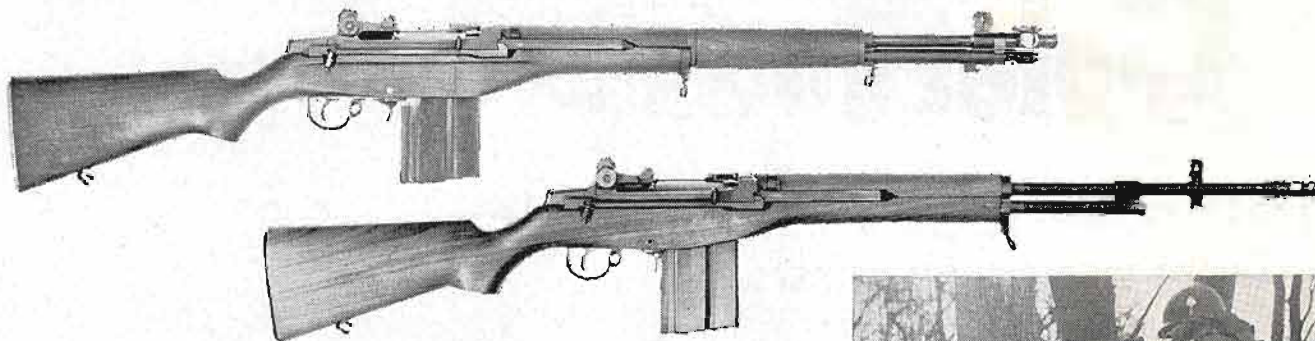
Emptying its 20 round clips at rate of 650-780 shots per minute in full automatic fire, M-14 would increase U.S. chances to win any "brush war."



RIFLE, 7.62mm, M-14 (Modified)

AN EXCLUSIVE GUNS MAGAZINE REPORT

WHY ARE OUR TROOPS STILL WITHOUT THE NEW BUT, NOW SOON-OBSOLETE GUN ADOPTED IN 1959, AND WHAT CAN WE DO ABOUT IT?



Modified Garand or T-36 (top) was basic style. T-37, below, with gas piston, short barrel is like M-14.

By WILLIAM B. EDWARDS

WHILE RUSSIAN ROCKETS roar into space, and while people talk about "the missile gap," a far more serious gap exists in the development and production of other essential weapons—essential certainly if we are to be prepared for the "brush wars" that seem to be current Iron Curtain strategy.

Seventeen years after the requirement was set up



Two members of "Screaming Eagles" check out heavy M-14, too heavy for Air Force specs.

GUNS FOR WAR?

for a new arm to replace the Garand, the Carbine, the Tommy Gun, and the .45 pistol—and nearly five years after the adoption of the new arm (the M-14)—our first-line troops are still armed with the reliable but bulky and now-obsolete M-1 Garand. For American troops in combat-sensitive areas of the world, "The M-1 rifle is now being produced only in piddling dribbles." So wrote Tom Scanlon, "Army Times" staffman, in the Feb. 28 (European) issue of that semi-official journal. "One company of the 101st Airborne is using them," Scanlon says, adding that tables of equipment call for 9,508 rifles for an airborne division, whereas an infantry division needs 11,874 rifles, and an armored division requires 11,493. "The Army has 200,000 M-14s on order," Scanlon tells us.

By contrast, the Soviets have over four million men under arms, with 2½ million of them in modern army of 175 well-armed and well-trained ground divisions. An additional 2½ million men serve under the banner of Red China. To arm these hordes, reports from usually reliable sources are that the modern Russian automatic rifle (the AK, or "Avtomat Kalashnikov") has been produced since 1947 by six factories in the USSR, four in Red China, one in East Germany, one in Czechoslovakia, and others in (Continued on page 40)



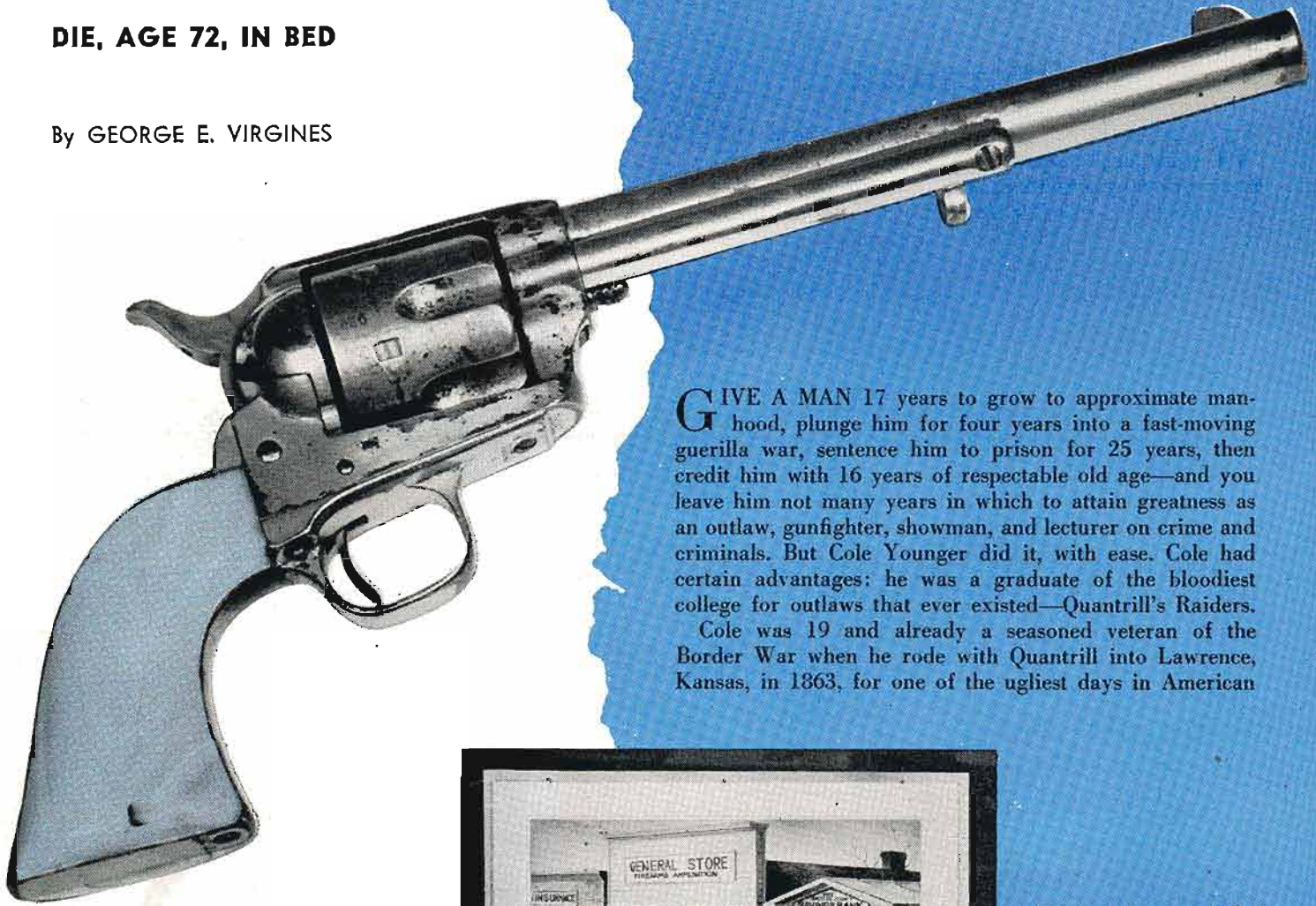
The NATO BM59 automatic rifle is the Beretta modified M-1. Below, the M-14 is field tested by "Screaming Eagle."



Cole Younger:

**SECOND ONLY TO JESSÉ JAMES
IN COMMAND OF WORLD'S MOST FEARED
GANG OF GUN-FIGHTING
DESPERADOES, HE LIVED TO
DIE, AGE 72, IN BED**

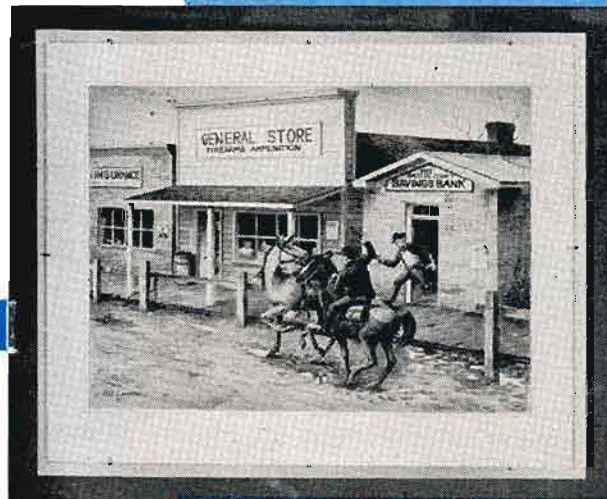
By GEORGE E. VIRGINES



Cole Younger's Colt SA .45 is now on display in the Saunders Museum in Berryville, Arkansas.

GIVE A MAN 17 years to grow to approximate manhood, plunge him for four years into a fast-moving guerilla war, sentence him to prison for 25 years, then credit him with 16 years of respectable old age—and you leave him not many years in which to attain greatness as an outlaw, gunfighter, showman, and lecturer on crime and criminals. But Cole Younger did it, with ease. Cole had certain advantages: he was a graduate of the bloodiest college for outlaws that ever existed—Quantrill's Raiders.

Cole was 19 and already a seasoned veteran of the Border War when he rode with Quantrill into Lawrence, Kansas, in 1863, for one of the ugliest days in American



Cutting down a teller won James gang only a \$700 take in Gallatin holdup. Picture, left, and Cole Younger portrait, at top of page, are from Mo. Resources Museum, Jefferson City.

Man Of Many Guns

history—a day of pillage and fire and murder that shocked the nation. Not even the later Quantrill massacre at Centralia, where the Raiders slaughtered 75 Federal soldiers (Jesse James, that other famous Quantrill alumnus, was in this one) got such headlines as did the affair at Lawrence. Both engagements (if the thing at Lawrence can be called an engagement) were typical of Quantrill's genius as the ruthless leader of the greatest unit of mounted pistol fighters ever assembled. Quantrill believed in the multi-shot firepower of the revolvers, and his men bristled with them. Four or more guns per rider was standard operating procedure, and the Raiders knew how to use them.

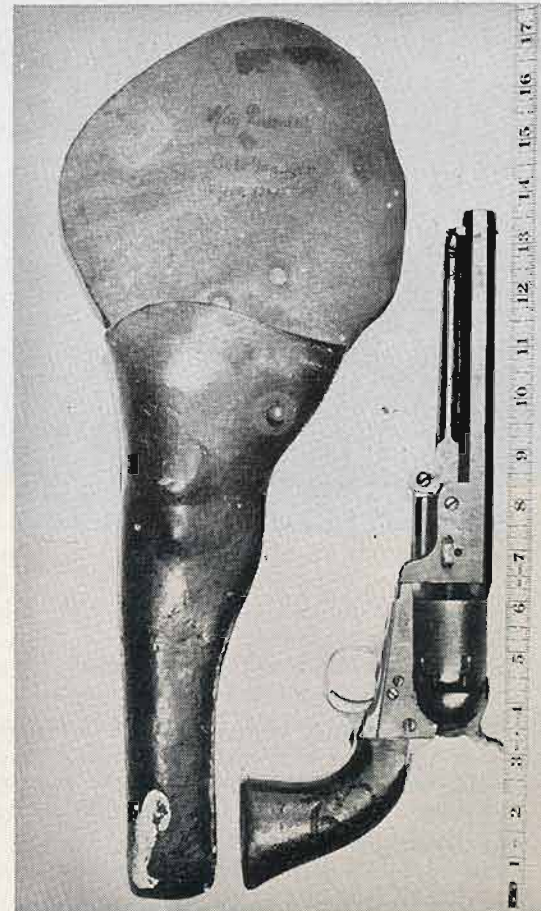
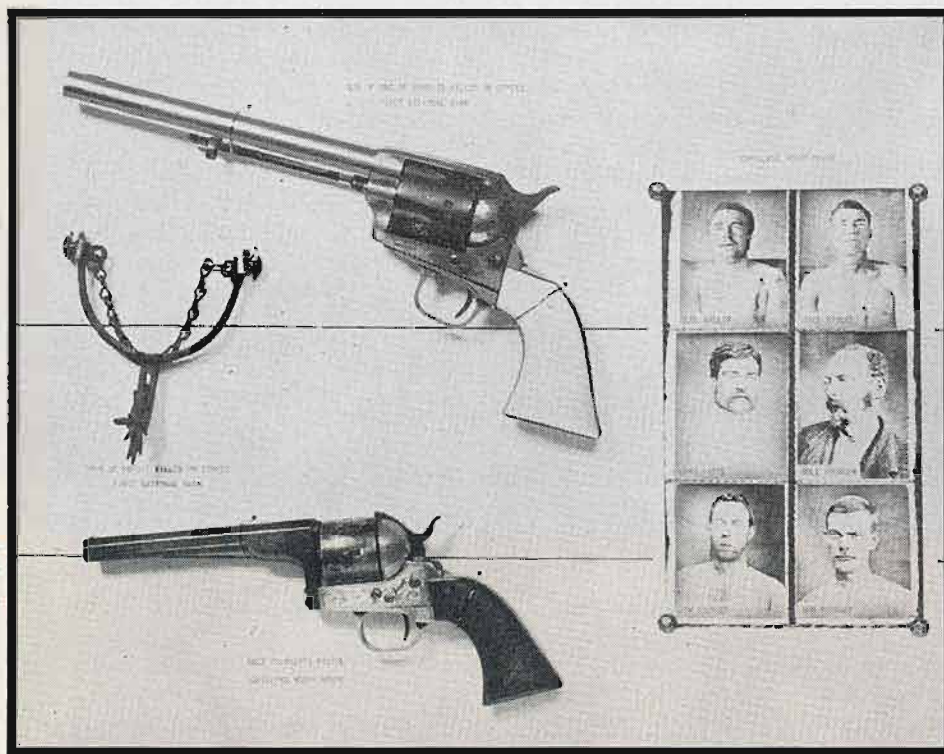
The hatreds of war persisted on the western border long after the surrender at Appomatox, and the Quantrill alumnae, led by the James brothers and the Youngers, did much to keep the pot boiling. There were two of the Jameses (Jesse and Frank), and three Youngers: Coleman, the eldest, and Jim, four years younger, and Bob, who was only 12 when his brothers helped sack Lawrence. Jesse was the leader, with Cole as his first lieutenant. These five, with others of the same breed and often from the same college,

cut a swath of outlawry in the middle west that will never be forgotten. They were nice boys, according to the legend, if they liked you; but they killed a lot of people.

Cole Younger was a giant of a man (some say six feet four inches and well over two hundred pounds of muscle), with friendly eyes and a quick grin, a keen sense of humor, and a brazen effrontery that enabled him, when posses were hunting him from one end of the country to the other, to "hide out" in a little Texas town where he sang in the church choir and actually got a job with the government as a census taker. He was not happy in that employment; the pay was not up to his standards.

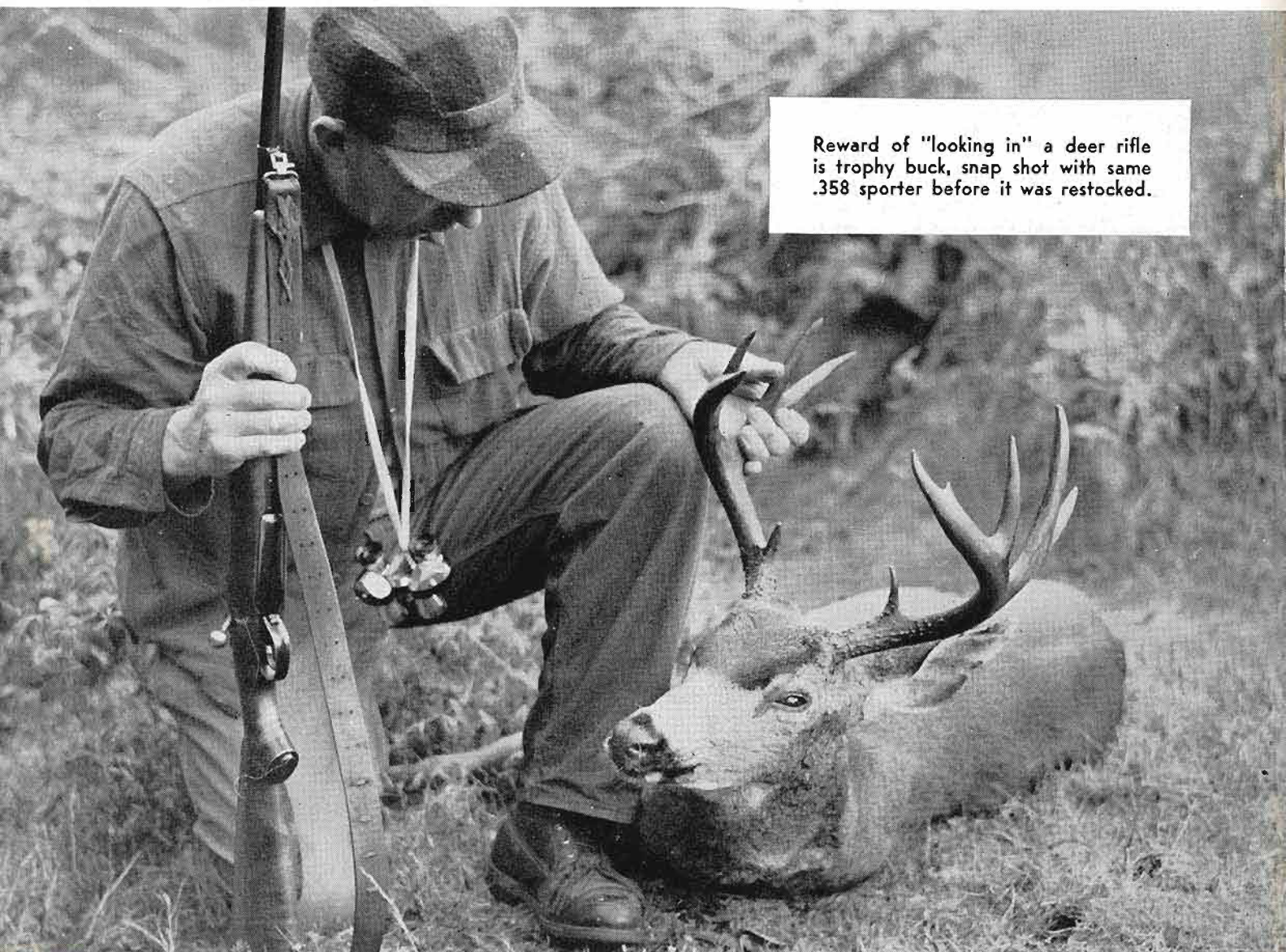
Weapons were changing rapidly in that post-war era, and Cole Younger was a man who took keen personal interest in firearms improvements. As a company commander in the Confederate army, Cole learned the value of good weapons. He and every member of his command had Sharps rifles and a pair of .44 caliber Colt Dragoon revolvers. General Kirby Smith said that he had not seen during the war another band so well armed. The same feeling for firepower

(Continued on page 44)



Top gun, spur, were found in street after Northfield battle. Moore 7-shot below is another Younger weapon. Pictured left to right and down are Clel Miller, Bill Stiles, Chas. Pitts, Cole Younger, Jim and Bob Younger. From display in Schilling Museum & Hobby House in Northfield. Gun with Quantrill gift holster is in Public Museum in Oshkosh, Wisc.

SUMMER WORK FOR WINTER GUNS



Reward of "looking in" a deer rifle is trophy buck, snap shot with same .358 sporter before it was restocked.

By FRANCIS E. SELL

I EASED through the salal brush, following a deer trail which angled around a heavily reforested ridge—still-hunting the Lampa Mountains of southwestern Oregon. Occasionally I heard the snap of a twig on the top of the ridge where Al Lyman paced me, moving snail-slow, cat-footed. I had my 20 inch barrel, Mannlicher stocked .358 Husqvarna deer rifle.

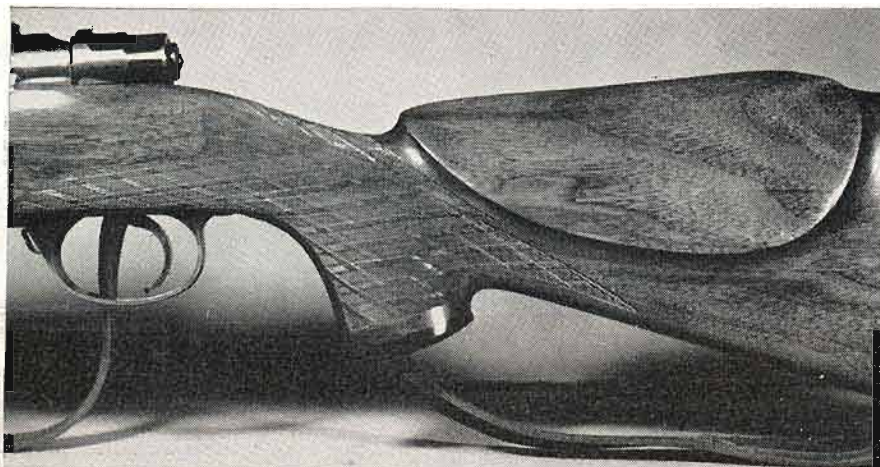
I had killed seven big bucks with this gun, but never had it afield for deer after the restocking by Herter's. I had

confidence in its brush performance, however, for I had spent plenty of time during the off-season "looking it in." And that, gentlemen, is something all hunters should do.

How do you "look in" a rifle? You handle it, you snap it to your shoulder time after time, become so familiar with it there is no strangeness from buttplate to muzzle. In addition, you sight it in, fire it, going well beyond the common limits of orthodox targeting.

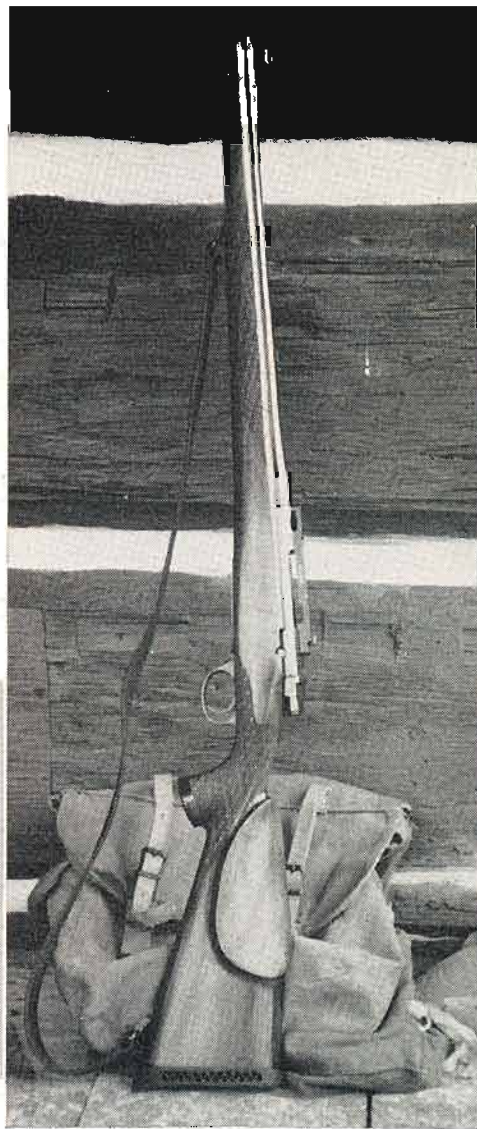
Before this black walnut Mannlicher stocking job was

**UNCASE THAT DEER RIFLE NOW AND
START "LOOKING IT IN" FOR YOUR
BIG GAME DIVIDEND NEXT SEASON**



Mannlicher stocked for extra muzzle weight and greater stability in snap shooting, Herter's gave Sell's .358 Husqvarna Improved Mauser a high cheek piece, to be worked down as wanted for perfect handling.

Finished stock fits owner and, after thorough "looking in," points and shoots where he looks, like fitted shotgun, even without sights.



done, this rifle had a Myrtle stock. My real reason for the Mannlicher stock was the memory of several tubular magazine rifles. It seemed to me that the weight of those loaded magazines lent stability to the rifle for a quick snap-shot. In the Mannlicher stock, I'd have a few ounces more weight further forward. I asked for a high comb, wanting to work this down as required, adjusting it to my own specifications for fast off-hand shooting.

Eventually, the rifle arrived from Herter's. I took it out of the packing case, examined a now unfamiliar rifle, even though I had used barrel and action before. I thought of the autumn deer hunting ahead, and began the process of "looking it in."

The cheekpiece and comb got my immediate attention. I worked the comb height down gradually with rasp and sandpaper, and I thinned and contoured the cheekpiece to give an exact amount of "cast off." During this process, I constantly stood on my cabin porch, snapped the rifle to my shoulder and looked through the iron sights at deer in the old lichen crested orchards about my hideout. Those deer were always there, willing and able to cooperate in testing rifles, sights, balance—everything remotely connected with a clean fitting gun. (Continued on page 56)

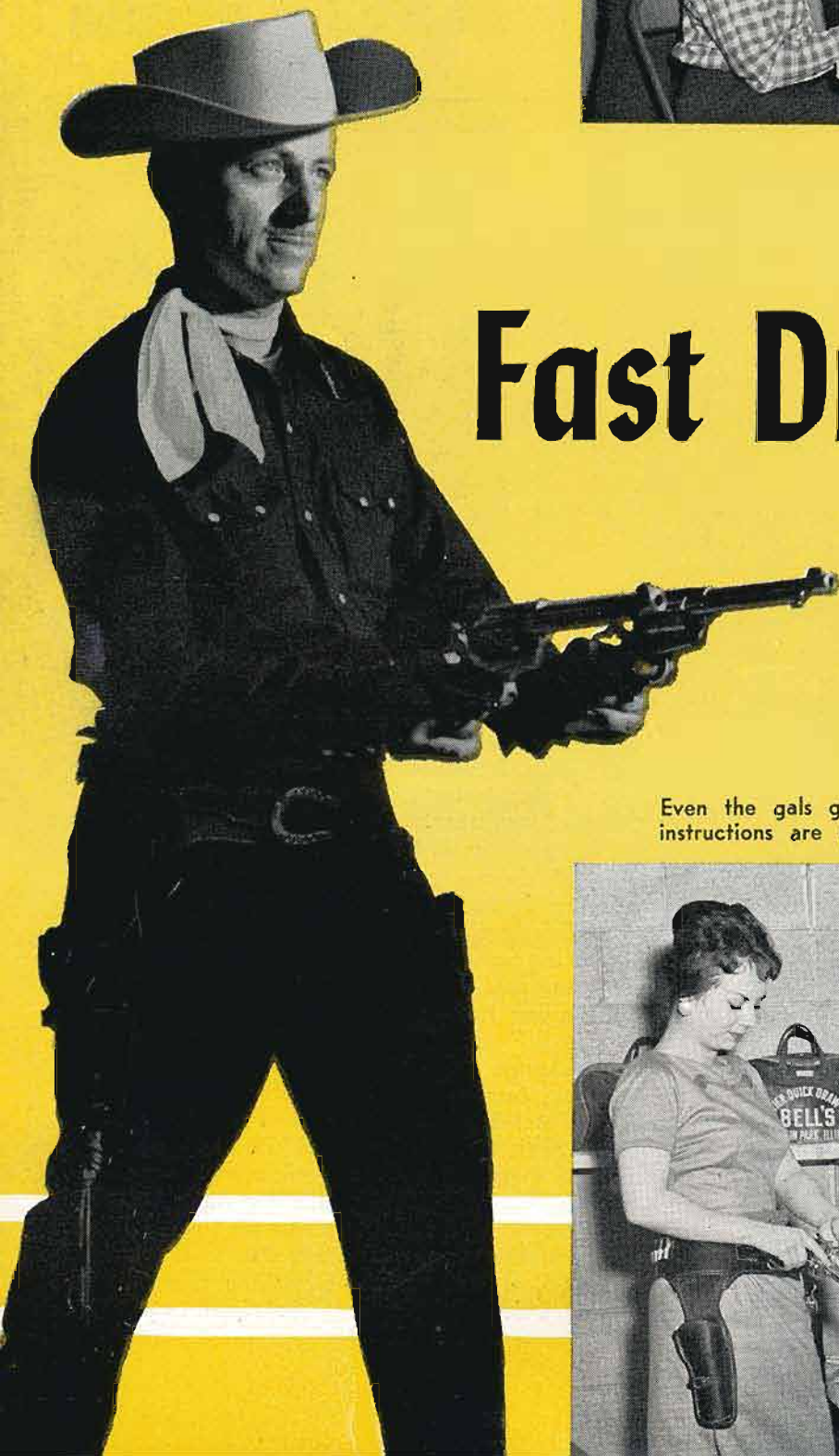
Gun safety demonstration is given by George Virgines to new members of the club. Below, George demonstrates his greased lightning draw with two guns, firing and hitting target every time.



Fast Draw 'Sells' Shooting

By CLYDE G. HOWELL

Even the gals go for fast draw in a big way. Slow motion instructions are given first, with gun safety always enforced.





Badges of club president are displayed by George Virgines, Bud Greenwald, current president Jack Fougrouse.

BUCKING THE GUN FEARS OF CITY POLICE AND ANTI-GUN GROUPS, THESE "SHOOTING AMBASSADORS" WIN FRIENDS FOR ALL THE GUN SPORTS

WILL QUICK DRAW die the death of a "fad" as many are wont to predict, or is it destined to become another national shooting sport?

Apparently the answer still hinges upon the word IF.

If devotees of the sport; habitually practice good gun manners, subscribe to shooting "wax and blanks only," will unite on a national set of rules and regulations, will sacrifice a few hours of their time for promotional purposes . . . then fast draw *will* survive.

Unfortunately not every "fast gun" is ready, or even willing, to go along with these four principles.

Few clubs have worked more wisely, more tirelessly, or more effectively to win good will for quick draw (and for shooting generally) than have the members of Bell's Frontier Quick Draw Club of Franklin Park, a suburb of Chicago.

The first quick draw group to charter in the Middle West, they have been as active and as dedicated a bunch of leather-slappers as you can find anywhere in the U.S. They have either directly or indirectly assisted with the formation of the Sudden Sixes, The Peacemakers, and the Horse Hollow Quick Draw Club, the Milwaukee Gun Club, the Kenosha Gunhawks. If a membership survey of these clubs was to be made the figure would lean toward the 300 mark—three hundred new followers of the sport of fast draw, three hundred potential quick draw

safety instructors, three hundred votes against anti-gun legislation, three hundred gun-wise guardians of the American way of life.

But the role these men have played in helping these clubs to organize is but a minor one. Operating as a 'one club show,' they have introduced quick draw to literally thousands of people in the midwest during the past three years with their public performances in and around Chicago. These appearances include in part: The Sport Show at Medina Temple, The Associated Advertisers, The Shriner's Annual Father and Son Banquet, Boy Scout Troops, Police Schools, The Association of Independent Advertisers and the St. Jude League of Lucemia with Danny Thomas.

Not content, however, with private billings, they have given daily performances at the annual Outdoor Shows staged each year in Chicago. In January of this year, after three months of planning, the boys from Bell's staged the first Mid-American Fast Draw shoot. To simplify the vast number of problems involved in holding a shoot of this size and scope, and to gain a maximum of publicity, they acquired several hundred square feet of floor space at the Annual Sports, Boat, Travel and Vacation Show held at Navy Pier. Twice each day they went "on stage" with their spectacular yet highly informative program, and twice each day the explosion of .45 caliber blank ammunition coaxed people away from other booths until their



Virgines and Chuck Monell, fastest guns in club, are good friends, but when timer runs, rivalry is keen.

own arena was packed. When the Show Director looked in, he did a double take, then acted with the speed of any great showman. He promised them "top billing" for 1962.

Why has Bell's Frontier Quick Draw Club chosen such a hectic schedule of quick draw performances? How did they start? What do they give their audience in the way of entertainment?

In the words of George Virgines, publicity chairman, "We wanted to acquaint people with fast draw for what it really is and erase the impression given by newspaper headlines. We wanted to teach safe gun handling

(Continued on page 36)

THE WIDESPREAD DEMAND by shooters for a high velocity .22 center fire revolver with a reloadable cartridge has been reflected in hundreds of letters I have received over the years. Many wildcats and conversions have been developed. Christy Gun Works has long made cylinders and barrels for the Single Actions chambered in .22 Hornet caliber. Others have shortened the Hornet case for rechambered Smith & Wesson K-22 revolvers. Others have tried the .218 Bee, and still others have developed new .22 center fire cartridges of high velocity—as witness the many articles published in GUNS and other magazines over the years. I myself have repeatedly asked for a revolver for the good old .25 Stevens Long rim fire cartridge, for small game shooting.

The Winchester .22 Rim Fire Magnum, with the old .22 W.R.F. as a light load, came very close to what I have wanted in the .25 Stevens Long in a revolver. But the high cost of ammunition in both those calibers only increased the demand for a reloadable, center fire, high velocity .22 handgun cartridge. The use of camouflage suits and rabbit calls for calling up foxes, bobcats, coyotes, and similar game to handgun ranges has further increased this demand.

The latest effort to satisfy this demand is now the .22 Jet cartridge by Remington in the .22 Magnum Model 53 revolver by Smith & Wesson. The unusual feature of this gun is that it will handle both the new .22 Jet cartridge and the regular .22 Long Rifle ammo.

Let's discuss the gun first, then the new cartridge. Smith & Wesson have done a most efficient and beautiful job on this revolver. The first lot came out with 6" barrels (8 $\frac{3}{8}$ " and 4" barrels will come later), and I have been testing one of the first specimens to come off the production line. It is on the K frame, but has the encased ejector rod housing of the .357 Combat Magnum.

Sights are fully adjustable standard S & W Patridge shape, with ramp front. Barrel full-ribbed, grooved in the center, with full finished edges from rear sight to front sight, fairly heavy. Hammer and trigger are standard S & W short action. Trigger pull is excellent, crisp and clean. The trick that permits the use of either rim fire or center fire loads is in the twin firing pins and the conversion gadget in the hammer.

Both firing pins are round, and both are spring-loaded to retract into the frame. The lower or centerfire pin operates through the center of the recoil plate. The upper or rimfire pin comes through a tiny hole in the frame just above the recoil plate. On the hammer is a most ingenious little shift lever which is hinged on the standard S & W firing pin rivet. The business end of this lever has two striker surfaces, one to hit the centerfire pin, the other positioned to hit the rimfire pin. The back end of the shift lever is knurled for stiff click adjustment. Push it to the forward position, and the centerfire striker surface comes forward to fire the new Remington .22 Jet centerfire cartridge. Pull the knurled lever-knob back, and the rimfire striker surface is exposed, to fire regular .22 rimfire ammo. The striker surface not in use retracts into a groove milled out of the hammer. Whoever dreamed up this gadget surely used his head, as it is the finest of its kind that I have seen, and I have used similar contraptions in rifles like the old Ballards and others. This is quick, easy, and efficient.

(Continued on page 60)



THIS GUN HAS A "GEAR SHIFT"

By ELMER KEITH

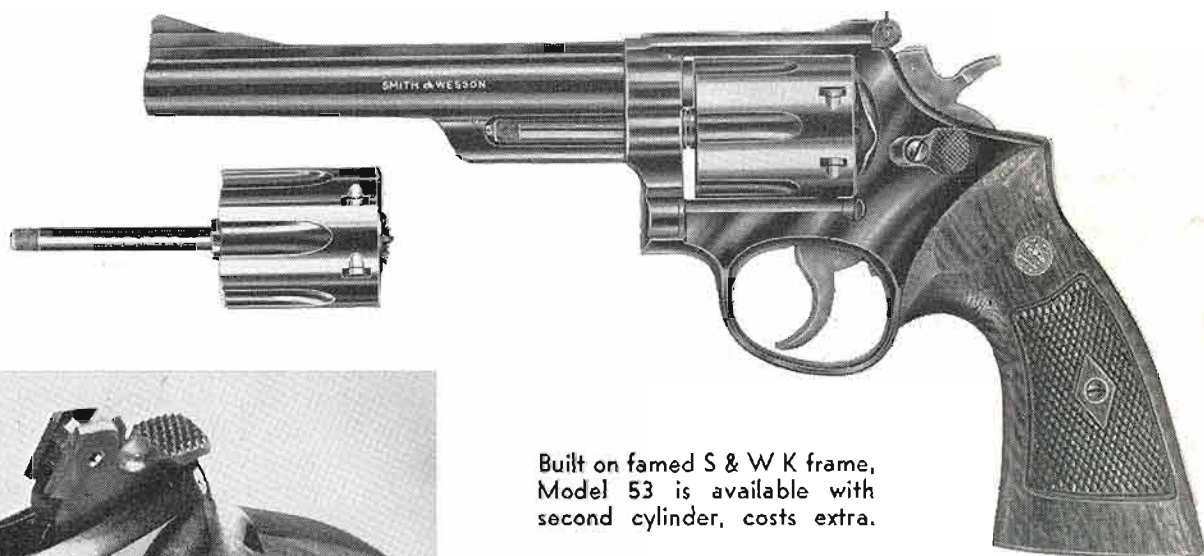
**NEW S&W SHIFTS FROM .22 RIMFIRE
TO HOT NEW .22 CENTERFIRE "JETS"**



Close-up shows how dummy .22 Jet cartridges and rimfire cartridges (in inserts) chamber easily.



Left, the inserts for the rimfire rounds; right are the new .22 Jets. Long tapered neck is distinctive. Adjustable striker is visible just ahead of the hammer spur.



Built on famed S & W K frame, Model 53 is available with second cylinder, costs extra.



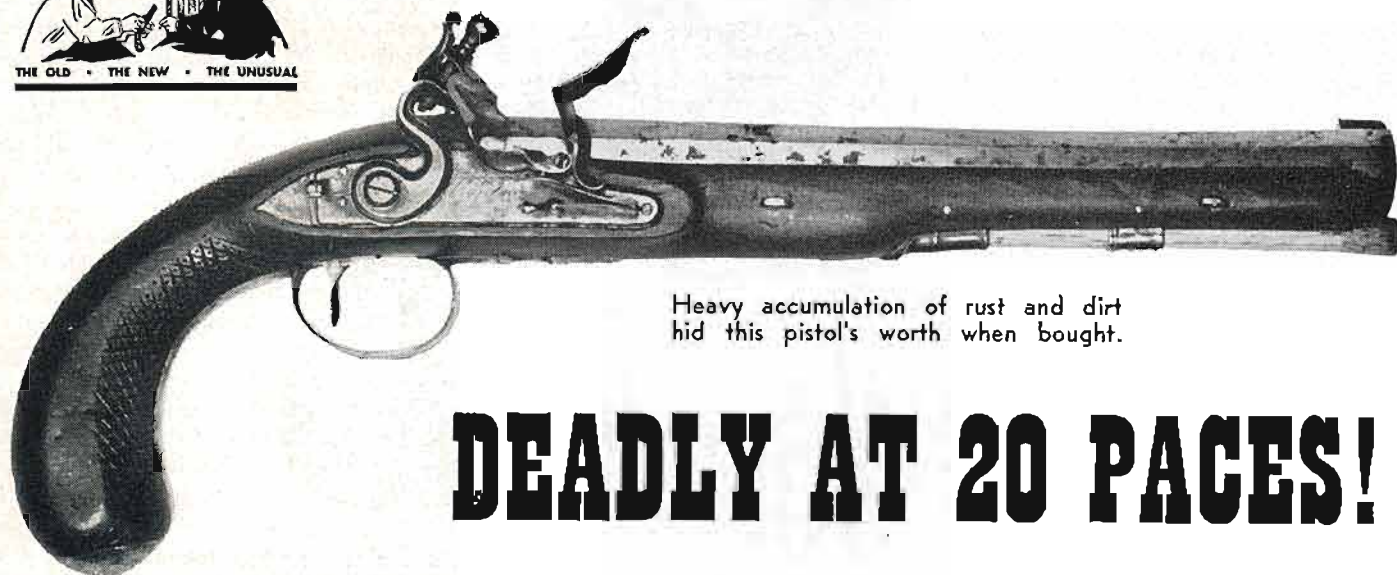
Details of lever-knob that changes the position of striker, changes firing from rimfire to centerfire.



Elmer Keith displays the jack rabbits that fell to the potent medicine dished out by new S & W handgun.



REBUILT FROM RUSTED RELIC,
THIS WOGDON HAS "DUELLER" ACCURACY



Heavy accumulation of rust and dirt hid this pistol's worth when bought.

DEADLY AT 20 PACES!

By W. A. CARVER



Relining barrel with .45-70 insert, plus general clean-up and overhauling, produced shooting arm with good accuracy.

BOUGHT IN England for the sole purpose of "pirating" the lock, this pistol turned out to be both a collector's item and a shooting arm of target quality. In any game of "pistols for two at 20 paces," the gun, either when new or as refinished, would be deadly.

The markings it bears were hidden at first under an accumulation of rust and dirt; but once exposed, they bear mute testimony of noble lineage. Cut in script along the top flat of the "swamped" barrel are the words, "Wogdon London." The single word, "Wogdon," appears again on the lockplate. There is the usual clutter of proof marks on the breech end of the bottom flat; and on the top flat (collectors please note!) is a cataloging number stamped into the metal in the center of the barrel.

Although in poor condition, we thought the gun deserved preservation. The metal parts were badly rusted but preservable, and the wood, though weakened by faults in the fore-end, offered some hope of successful reconditioning. By the time the gun came into my possession, its previous owner, LaDow Johnston of Toledo, Ohio, had already carefully disassembled it and given it some cleaning. Dirt and heavy rust had been removed. Removal of the rusted pins had caused some fracturing of the fore-end, but the pieces had been carefully rejoined and it seemed that further strengthening would be possible by judicious use of a plastic bedding.

Of the metal parts, the pins, heavily rusted and beyond repair, could be replaced. The trigger guard and other hardware could be returned to serviceable condition with a little work. The lock needed only a little additional cleaning, plus tuning. The set trigger needed only cleaning. The barrel was another matter. Originally a smoothbore of considerably more than 50 caliber, the only way I could see to bring the tube back to shooting status was to reline it to fit a somewhat more modern caliber. (Continued on next page)

I set to work on the wood first. All of the metal parts were removed except for a few which seemed certain to be damaged beyond repair by so doing. The wood was all cleaned with lacquer thinner and turpentine, buffed with fine steel wool, and polished by rubbing with linseed oil and shellac. No attempt was made to work out the bruises, nicks, and dents. The final result is a soft lustre and the patina of age.

Strengthening the fore-end was not done until the barrel was finally readied. Then, by use of a small electric hand tool and burrs, a trench about 1/8" x 5/32" was routed out along each of the 45° flats, and undercut from just back of the fore-end tip to the point at which the ramrod entered the second ferrule. Then the plastic bedding was cast into the fore-end, from the rear keeper to the tip, and the barrel was pinned in place.

Getting to that point with the barrel had been more work than anticipated, for we had mistakenly attempted to simply drill out for the liner. The drill had not followed the rough bore, and cleaning out was finally accomplished by a very skillful blind boring set-up by my fellow muzzle-loading hand-gun enthusiast, Robert Kiser of Fremont, Ohio.

The barrel, once bored out, was readily lined with a piece of .45-70 Springfield barrel turned between centers and fitted to permit soft-soldering into place. The original flash hole was then drilled and tapped for the 3/16" x 32 flash hole bushing. The flash hole is 1/16" in diameter. To complete the work required only the making of a new ramrod.

With all parts cleaned, refurbished, or replaced, the piece was assembled. Its appearance was satisfactory, as the photographs reveal. But the work had been undertaken with the idea of producing a pistol of original appearance that would shoot—and the shooting yet remained to be tried.

I was confident of the efficacy of the .45-70 liner from experience with such a barrel in other muzzle-loading pistols, and the lock was of such quality that good ignition was likely. Nevertheless, John Kromer, with whom I do much muzzle-loading pistol shooting, and I were amazed by the results we obtained. Ignition was so fast that the pistol seemed no more difficult to shoot than a percussion arm. A few shots were fired to determine what hold-off would be necessary, and then we fired a little five shot test which scored 96-2X. Two weeks later, I fired a 20 shot string. What can be done off-hand at 25 yards shows plainly enough on the target pictured.

Such a result justified a little improvement in the front sight. The original sight of silver was carefully removed and put away, unaltered. A new one, a rectangular post, has been installed. Its appearance is but the slightest detraction, and it makes sighting easier. A sight correction was built in.

I find real delight in the sight and "hang" of this pistol. Scenes of long ago swirl in the billow of blue-white smoke of every shot; and when that smoke drifts away and you peer into the spotting 'scope, you are startled by the modern effectiveness of this relic of another time.



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and small game
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Ye Old Hunter is all heart!
Ye Old Hunter (Illustrates all weapons by actual wire-touched photographs so you can see how they REALLY look!)

AMERICA'S GREATEST FOR JULY 4th—THE MOST SE

Make this YOUR biggest July 4th EVER! Join the spirit of the MINUTEMEN and protect YOUR right to gun ownership by increasing YOUR gun ownership. Why blast away hard-earned dollars on cheap fireworks—purchase a LIFETIME of shooting pleasure by ordering the superb bargains depicted below for practically NOTHING! July is also CREATIVE LEISURE WORK MONTH—a dramatic effort to return utility and meaning to summer spare time. Why waste that precious "vacation" treating insect and shark bites, cremating hamburgers, or inviting diabolical pi-

FABULOUS PERSIAN Sun Lion 98 MAUSERS!

The finest Mauser of them all... the incredibly rare (until now—ALWAYS sold for \$100.00 and UP) PERSIAN SUN LION Mausers. Manufactured during the truly great arms production era of the 20's and 30's, these magnificent Mausers were secured by Ye Old Hunter in an exclusive deal with the Shah after all competitors failed to pass the Purity of Blood and Best of Breed tests. Only 65,823 left, so better order today one of these totally machined (no cheap stampings) gems. OBSERVE the superior quality and finish on the SUN LION Mauser—COMPARE with today's sporting rifles and BUY at a fraction of the cost! Some are BRAND NEW in original factory condition.



Cal. 8MM

PERSIAN VZ24 MAUSER!



Your choice of the famous BRNO VZ24 with either original BRNO markings or those with the beautiful, rare PERSIAN SUN LION crest. The Mauser 98 without a peer as any real gunsmith will confirm. Smooth, with unequalled machining and in totally good condition. One of the finest finds of all time!!

ONLY
\$2995!



Cal. 8MM

PERSIAN MAUSER 98 CARBINE!



WHAT A FIND! The ultimate, ultimate, ultimate Mauser 98 Carbine at an unprecedented low price. The strongest, yet trimmest carbine ever available—precursor of VZ/33 and almost identical to the famed G33/40 Mauser. In top shooting shape and in good or better condition, complete with PERSIAN SUN LION CREST and 1814" barrel. Some in BRAND NEW CONDITION. ONLY \$15.00 ADDITIONAL. An offer that never has, or ever will be matched to say the least. Order yours today!

ONLY
\$3495!

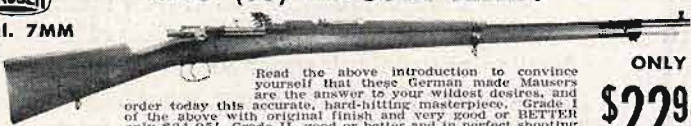
FAMED GERMAN MADE CHILEAN M95 MAUSERS!!

The finest selection of the famed German made SS (Super Strength) Model 95 ever available! Paul Mauser's most expensive masterpiece—the SPECIAL SS (Super Strength) model with the THIRD locking lug behind the bolt. Also a special bolt guide rail to REINFORCE the receiver wall and make this the world's smoothest—not to mention a special SPORTER follower, ALL matching numbers, ALL milled parts, NEW bayonets, AND the three models below to choose from—ALL in the popular 7MM caliber! Better order today!



Cal. 7MM

M95 (SS) MAUSER RIFLE!



Read the above introduction to convince yourself that these German made Mausers are the answer to your wildest desires, and who really cares about this EXACT third locking lug, but order today this with original finish and very good or BETTER only \$24.95! Grade II, good or better and in perfect shooting shape only \$22.95! 7MM M.C. ammo only \$6.00 per 100. Used military slings .50. NEW German Bayonets only \$1.95 with scabbard.

ONLY
\$2295!



Cal. 7MM

M95 (A) MAUSER RIFLE!



The same rifle as the M95 leader in the first picture ONLY this model has the racy turned down bolt handle. The ONLY M95 Mauser in stock without the special THIRD locking lug, but who really cares about this EXACT third locking lug? Special for you who insist only on the fine conventional M95 with all the great conventional features and in good or better condition. Used slings .50 and NEW German Bayonets with Scabbards only \$1.95.

ONLY
\$2295!



Cal. 7MM

M95 (SS) MAUSER SHORT RIFLE!



The rifle designed to please EVERYONE with the ultra modern 22" barrel. Like all the rest, this is in perfect shooting shape with condition good or much better. Complete like the rest right down to the special cleaning rod. This M95 Model is so accurate and effective that it was never used at close range—as witness the un-used bayonets—only \$1.95. Used leather slings, only 50c ea.

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\$2395!



Cal. 7MM

M95 (SS) MAUSER CARBINE!



The perfect little Mauser Carbine complete with a genuine 1814" Carbine barrel and in absolutely good or better condition. All the same desirable features of the larger models depicted above and at a weight that permits you to take your son or wife hunting. All models have the beautiful Chilean crest on the receiver ring for full aesthetic fascination. Slings .50. NEW German bayonets \$1.95.

ONLY
\$2495!



Cal. 8MM

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ONLY
\$2795



Cal. 8MM

SPECIAL WWII 98 MAUSER!



Manufactured during the dying days of WWII for special Arctic use. Special over-size trigger guard eliminates all need for special shooting gloves. All good to very good at this astounding price. Be the first to cash in on this lowest price

ONLY
\$2495



Cal. 7MM

7MM MEXICAN 98 MAUSERS!



One of the most sought after rifles in the world today, and at the lowest price ever! Imagine! The 7MM caliber in the sleek, small-ring 98 Mauser Action. All good or better. Order from this ad.

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Cal. 6.5MM

G33/50 SWEDISH MAUSER CARBINE!



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Cal. 7MM

M93 MAUSER LONG RIFLE!



Available at last! One of the really rare gems of Mauserdom. The trim small ring M93 Mauser in the popular 7MM caliber, complete with long barrel that brings you closer to the target for sure-fire hits. All for only \$22.95 in fair to good condition.

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\$2295



Cal. 7MM

M93 MAUSER CARBINE!



The most popular brush gun on the market today! Think of it, the perfect short rifle with a 17 1/2 inch legal barrel. Good condition—so short there is no sighting eye strain.

ONLY
\$2295



Cal. 7.65MM

GERMAN-MADE ARGENTINE MAUSER!



Ask anyone who owns one! The finest workmanship ever seen on a military rifle, without qualification. And on a Mauser to boot. Very good to excellent—with a few choice ones only \$4.00 more. Make this your number one choice.

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Brand new German produced Luger Magazines for the 7.65 or 9MM Luger. Finest in precision workmanship. Your chance for that extra magazine **ONLY \$5.95!** now—long last. (Add 50c postage.)

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JUST IN! All in very good or better condition! The greatest of them all, the INCOMPARABLE Springfield at the lowest price ever for high numbers. These are NOT the crude, makeshift assembled jobs advertised by others; these are NOT the left-overs rotting in steamy South American jungles, but original Springfields in the finest condition ever. HIGH NUMBERS only \$39.95, some HIGH NUMBERS WITH TARGET TYPE C STOCK only \$42.05! New web slings only \$60. Some high-number with STAR GAUGE barrels only \$40.00 additional.

ONLY \$39.95!

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Cal. .30-06

Back again—and even better than the v.g.'s to near mints we had previously. Another shipment of tens of thousands of original Springfield Arsenal no cheap contract jobs. Garands with all milled parts and all matching numbers. Very good or BETTER only \$79.95—some near mint only \$10.00 additional. New Web slings only \$1.00—original 8 rd. clips only 10c ea.

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Cal. .30-06

All milled parts—fresh from government cases. All G. V.G. or better. A few Excellent only \$5.00 additional. New leather slings \$1.95—used \$0. Genuine M 1917 Bayonets only \$1.75. Order yours today. If you prefer Remington or Winchester manufacture, a limited number \$3 more.

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Cal. .303

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ONLY \$24.95!

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A REAL professional custom conversion performed by the world-famous Coswell & Harrison gunmakers of London. COMPLETELY refinished and re-blued with sporter ramp front sight, sling swivels and black fore-end tip. Yours now only \$24.95. The best dollar for dollar buy ANYWHERE! Insist on this conversion only.

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WESSON SPECIALS!

Cal. .38

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Select shipment of improved .38 Webleys. These have both the single and double action design and shoot the standard .38 S&W. Only \$8.00 additional for one in NRA Excellent condition. An amazing low price for top value!

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Any two rifles listed below . . . ONLY \$18.90 All six rifles listed below . . . ONLY \$51.20
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Cal. 11MM French FRENCH MODEL 1874!

A rarity in any collection! The single shot that arrived too late to prevent a total disaster in the Franco-Prussian War. With production scarcity, history might have been changed had the Prussians been unarmed. Judge for yourself by ordering one of these fair specimens today, in a special non-existent caliber.

ONLY \$9.95!

Cal. 8MM Lebel FRENCH M1916 MANNLICHER!

First time on the U.S. market. A collector's delight at a cost less than the freight from Paris. Still in fair condition if you order yours today. Still proudly in service thruout the collapsing French colonial empire.

ONLY \$9.95!

Cal. 7M SPANISH M93 MAUSER SHORT RIFLE!

The most unbelievable rifle offering ever! A genuine Mauser at a cost which could throw us all into bankruptcy. In at least fair condition just to please you decorators. After refishing, who would want to shoot this anyway. Strictly a racy "lookin' Mauser—NOT TO SHOOT, so your investment is guaranteed FOREVER! Best buy of the Twentieth Century!

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Cal. 7.62 Russian RUSSIAN MODEL 91!

Stupendous! The 1960 Olympic Biathlon Masterpiece—the rifle that won five out of the first six places during the Winter Olympics at Squaw Valley. Fair to good condition. A few select ones at only \$3.00 more.

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Cal. 6.5 Italian ITALIAN TERNI M91 MANNLICHER

These rifles you see advertised elsewhere at exorbitant prices under different names! Why pay a cent more? Take advantage of this at Mannlicher but surely good as some of those OTHER Mannlichers!

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Garibaldi's greatest, the rifle that still influences weapon design. In at least fair condition at practically no cost whatsoever. Memorize your self endlessly with its spaghetti-grained stock and its unattainable justification as a weapon. Built to last a lifetime.

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9MM LUGER (NEW, NON-CORROSIVE)	\$6.00
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45 (ACP) COLT AUTOMATIC (M.C.)	\$5.00
455 WEBLEY (M.C.)	\$7.50
RIFLE CARTRIDGES	
6.5MM JAP (M.C.)	\$6.00
6.5MM ITALIAN IN CLIPS (M.C.)	\$5.00
7MM MAUSER (M.C.)	\$8.00
7.35 ITALIAN IN CLIPS (M.C.)	\$5.00
7.62x39MM RUSSIAN SHORT (M.C.) (20 rds.)	\$4.95
7.62MM RUSSIAN (M.C.)	\$6.00
7.65MM (.30) MAUSER (M.C.)	\$6.00
30-06 U.S. M2 BALL (NON-CORROSIVE)	\$6.00
30-06 BLANKS	\$4.00
30-40 KRAIG (M.C.)	\$5.00
303 BRITISH MILITARY	\$7.50
303 BRITISH BLANKS	\$4.00
8MM GERMAN MAUSER ISSUE (M.C.)	\$6.00
8MM LEBEL (M.C.)	\$6.00
8x56 R MANNLICHER	\$6.00
42 COLT BERDAN RIFLE (M.C.)	\$10.00
43 (11MM) REMINGTON (M.C.)	\$5.00
SOFT POINT CARTRIDGES	
6.5 SWEDISH SOFT POINT (40 rds.)	\$5.90
7.62 RUSSIAN SOFT POINT (45 rds.)	\$6.65
7.65 MAUSER SOFT POINT (20 rds.)	\$3.45
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FAST DRAW "SELLS" SHOOTING

(Continued from page 29)

practices and good gun manners to everyone who would listen, more especially the age group about to sally forth into the woods, fields, gun ranges, and vacant lots. In short we want to see quick draw established on the same level as the other shooting sports, with a Camp Perry or a Vandalia of our own.

"We figured fast draw, the most spectacular of all gun sports, would be a tailor-made paskey to every club, organization, or show looking for an evening of entertainment."

At Navy Pier, I picked up their act for the first time. Jack Fongerouse, President and MC of the program, opened with a few words about the club. He explained that in 1957, when the club first organized, there were no rules, regulations, or guideposts to follow; that electric timer, so commonly used today for measuring speed and reaction time, were little more than a name, as were speed holsters, smoothed-up actions, or wax bullets.

hinge upon his speed with a gun. The other, completely divorced from the first, is a shooting sport—a *fun* sport, a sport in which no load more potent than *wax* should ever be used either in practice or in competition. But I'm getting out of bounds. George Virgines is our gun safety advisor, so George, you're on."

George, perhaps the fastest gun in the group, is always on the go, always thinking up new ideas that will help his club and help fast draw on the whole. He wrote the club's first rules, regulations, and by-laws and, so far as I can learn came up with the original idea of walk-and-draw against an electric timer—the most popular phase of quick draw during the Mid-American Championship Shoot.

"To the uninitiated, drawing and firing in a quarter of a second or less may appear to be an easy feat," George explained, "And it



Before starting competition, members of Bell's Fast Draw Club watch Bill Davis smooth out his walk-and-draw shooting. In contest, holster is tied down, timer turned around, shooter is alone with robot opponent.

"As you no doubt already know," George explained to his audience, "Quick draw has received many a slap in the face from various media. It has been called a 'fad,' a 'craze,' and sometimes even 'stupid.' Are leading citizens such as Robert Six, President of Continental Airlines, or Donald Douglas Jr., President of Douglas Air Craft Company, stupid because they actively participate in the sport, or, is it more probable they find it an exciting form of relaxation?"

"From where, then, has quick draw received its black eye? Only from the misinformed, misguided few who have dashed off to buy western type guns, belts, holsters, and ball ammunition, thinking it a simple, easy sport to master in the privacy of their basement or bedroom without benefit of proper teaching. These are the people who jeopardize quick draw as a shooting sport.

"Quick draw is an art, a very skillful art, entailing hours and hours of practice; and even after a fast gun believes he has completely mastered the draw-fire-and-hit technique, it still remains too dangerous a sport to be undertaken with live ammunition.

"Those of use who like fast draw, and wish to see it grow into a national sport, on a par with trap, skeet, or target shooting, realize there are two distinctly different purposes for drawing a gun quickly. One is law enforcement where the very life of an officer may

is if you have spent several hundred hours practicing, as I have."

To emphasize his point, twin tongues of flame suddenly spat from a pair of waist-leveled Colt .45's.

I doubt if any of the audience actually saw him draw or, for that matter, even anticipated it. Not knowing George's specialty is a two-gun draw, how could they? It's smooth and fast—one of the finest I have seen.

Spinning both guns back into their holsters, he continued.

"Even after four years of constant practice, I still shoot blanks and wax bullets. I do not now, or ever intend, wearing upon my leg the distinguished badge of improper or unsafe gun handling practices. *Quick draw and hot lead do not mix*, unless executed in an attempt of self-defence. All of our so-called 'live firing' is done with wax loads. At 25 feet, wax gives us all the accuracy we need. It's safe, it makes very little noise, and it's cheap."

It is pertinent at this time to add a word of caution concerning wax bullets. Although wax from an accidental discharge will do little more to a leg or thigh than produce a black-and-blue spot, *it is not a load to be shot near or directly at another person*. It is extremely dangerous to the eyes, and will raise a severe welt on the body it taken 'head on'.

In addition to quoting and demonstrating

several rules from the "Ten Commandments of Gun Safety," George stresses the importance of joining a gun club, any gun club, to learn the 'basics' of rifle and/or pistol marksmanship.

Again Jack Fougrouse took over the mike, calling in turn upon each of the seven regulars of the show, to give his version of one of the many "shifts," "rolls," "spins," and "pinwheels" that gives quick draw its color and variety. When executed with blank cartridges, even the skeptics of fast draw come out of hiding for a better look.

Although there is strong suspicion that these showy gun handling antics may first have originated in the fertile minds of Hollywood personalities rather than the work-a-day tactics of old western gunmen, they do nevertheless, play an important role in today's fun sport of fast draw.

The seven regulars, the Traveling Ambassadors of Quick Draw, are Jack Fougrouse, Bud Greenwald, Fred Conrad, Bill Davis, George Anderson, Walter Selma, George Virgines, and Chuck Monell. Chuck, recently appointed Show Director, has considerable experience in show 'biz.' Probably the most versatile cowboy of all, he's a wizard with the bull whip, the lariat, and the sawed-off shotgun.

Every leather-slapper in this outfit is pretty much the same as the guy who lives next door to you. They range in age from the maverick to, well, say 39. Just ordinary Americans, they pursue, as any of the rest of us, the right to health, wealth, and happiness. Virgines is a truck driver, Anderson a decorator, Davis a door specialist, Conrad another decorator, and Greenwald a salesman. Jack Fougrouse owns and operates a gas station.

The closing portion of the show, and often the longest, is reserved for answering questions from the audience. Questions pertaining to guns, holsters, bullets, draw techniques, fancy gun handling, and safety are more or less easily answered; but the boys have found they need more knowledge than this. Questions concerning old-time gunmen are often stumbers. For instance: who shot who and where, what guns did they use and where are these guns now? Who was the fastest and who was the bravest? Questions such as these have made it necessary that the "Traveling Ambassadors" become well versed in the gun lore of the old West.

Fast draw, although it has been often condemned and in all probability will continue to be condemned to a limited degree, is a shooting sport that can ill-afford righteous condemnation; not today when America is in dire need of a gun-wise citizenry.

Through the years, guns, and men who knew how to use them, have assured, protected, and preserved our most cherished possessions. Never in the history of the world has a nation which possessed the supremacy of fire-power over its aggressor, felt the sting of defeat. Isn't it about time for every shooter and gun owner to integrate into one solid union working for a common cause—the right of every American "to keep and bear arms."

I know of one club in the U. S. A. that is doing its fair share to this end. It would be impossible to convince me that these men—spectacular, impractical, and much maligned though their sport may be—are doing anything but good for the cause of shooting as a whole.

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GARY COOPER: SHOOTING LOSES A FRIEND

(Continued from page 18)

Gehrig was a southpaw and Cooper hopelessly right-handed, the film was reversed in printing to give it the Gehrig motion. He even carried one scar from a gun wound—a bad burn incurred when a fellow actor fired a blank at him from too near. But he was seldom ill, kept his weight at a trim 190, seemed always fit. A friend told me, "Whatever killed him, it wasn't from tension—or if so, he hid it. He was the most relaxed actor I ever knew. Give him ten minutes between shots on a set, and he'd catch a nap."

A New York drama critic once wrote of Gary Cooper, "He's no actor. The only character he has ever portrayed is—Gary Cooper." Maybe so. If so, it's okay by me. I like Cooper.

But I disagree with the critic. I'm one of the old timers who saw "The Virginian" in its first runs, and to me, Cooper has always been "The Virginian." This is not a bad compliment to a man who has played many "western" parts, for "The Virginian," as Wister wrote him and as Cooper played him, is pretty much the arch-type of Western heroes. When Cooper answered Trampas's "s.o.b." by whipping the old Single Action from holster to table and drawling, "When you call me that—smile," he gave world-wide meaning to a phrase that is almost perfectly symbolic of the laconic but beautifully graphic western lingo. This is the same language that was spoken by the puncher who, after riding out the explosive efforts of a wild-eyed bronc, said he stuck to the saddle because he "couldn't see no place to light." Cooper and "The Virginian" both spoke that language very well. "Yup," or "Nope," properly inflected, can answer (or squelch) a lot of questions.

Of course, the flashing speed with which Cooper "The Virginian" produced that Single

Action in the old classic was probably the product of a speeded-up camera or of judicious cutting of the film. They did it that way in those days. But if so, Cooper learned to be a very respectable "fast gun" in the years after "The Virginian." He took lessons from Hollywood's top gunmen, and his love of guns gave him an edge over some of the cinema cowboys. Cooper has always been a shooter. Every contract he has signed since he reached the position of being able to dictate contracts has carried a "Time-out-for hunting" clause.



World symbol of the Old West's Man With A Gun, Cooper's part in Warner Brothers' "The Hanging Tree" (1959) was a fine vehicle for his talents.

GUNS Magazine used to run as a regular feature a department titled "My Favorite Gun," featuring firearms owned and loved by celebrities who like to shoot. Over a picture of Cooper as he appeared in a typical shooting role in the Warner Brothers production, "Blowing Wild," we published the following letter from Cooper:

"I have a collection of some twenty shotguns and rifles in my den-workshop. My favorite guns for hunting are a Merkle 16 over-under and a Browning 12 gauge over-under. My favorite form of hunting is bird shooting.

"I'm not a perfect marksman by any means, but I certainly do have fun trying. My wife Rocky and I look forward to our expeditions in the Imperial Valley and north toward Bishop, hunting quail, duck, and dove. We enjoy the outdoors, and somehow we usually manage to bag our limits."

Bird hunting trips up the Imperial Valley were hardly the extent of Cooper's hunting interests, however. I was in Victoria on Vancouver Island a few years ago while Cooper and a couple of friends were big game hunting in the remote and ruggedly wild areas of that beautiful island. He made safari in Tanganyika once as an exercise in convalescence after a rare illness. In recent years, he planned to hunt every fall with Earnest Hemingway, meeting "Papa" in Sun Valley where both of them owned "places," and



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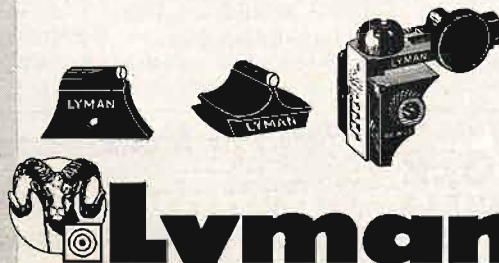
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journeying thence wherever the game beckoned. Hunting wildcat and cougar behind hard-running dog packs in the western mountains is one of the roughest of all the hunting sports, and Cooper loved it. His gun for this game: a .22 caliber pistol. Good enough if the shot is placed properly; and Cooper could place them.

Cooper handled guns with the fond familiarity of long habit, and with unthinking correctness. He hadn't much respect for some of the things that "go on" in the way of gun handling in some of the film and TV westerns. He described them to a recent interviewer as "Eastern gangster stories done in cowboy hats, and not the right hats even. And with guns ten to fifty years out of step with history." A lot of us have similarly criticized Hollywood efforts, and Cooper's own pictures have not been entirely free of such criticism. Cooper knows that; said, "I don't know it all either; and even when I did know it was wrong, what could I do about it? Then, I didn't own the company nor direct the pictures. Lately, if mistakes are there, I made them... and they're probably there. I'm no expert; just a shooter."

Cooper knew the West, too, better than some of his pictures would prove—well enough to know, for example, that the "love affair" between James Butler Hickok and the tobacco-chewing, mule-skinning, physically unlovely Calamity Jane was strictly a Hollywood contrivance. One of Cooper's last appearances was as the narrator in the TV (CBS) special feature "The Real West," in which Cooper talked in typical Cooper fashion about the land and the era he loved and had portrayed so well. He (or the

writer of his script) fell into a few of the traps that lie in wait for any teller of Western tales (that Billy the Kid "killed 21 men, one for each year of his life," for instance), but nobody is perfect, and it is hard indeed to sift the wheat from the chaff in what passes for Western history.

Cooper knew the west and its people well enough to portray it as few, if any, have ever done as well. No better prototype of the Western hero of fact and fiction ever walked the dusty street of any Western town at any time than Cooper in his role of beleaguered lawman in "High Noon." No cowboy, he was the typical cowboy. No belligerent, he was the typical fighting man, quietly menacing. Fluent and adept with words, he became a symbol of laconic brevity. One of the world's best dressed men, he looked best in wrinkled shirt and saddle-polished Levi's. Cast in the roles of the West's best and worst gunmen, he was an inoffensive man who liked to hunt, liked to shoot at targets, liked to tramp the uplands with his wife, matching shotgun skill with her or anyone he liked who would hunt with him, for doves and quail and pheasant—a man who liked the precision of shooting crows with a scope-sighted rifle, who liked to plink wildcats out of trees with a .22 pistol, being careful never to wound them lest they hurt the dogs.

Cooper never promoted shooting in propaganda sense—he was no propagandist; but his love of guns and shooting, widely known, lent the tremendous prestige of his name to the shooting sports. For this, we who love guns are indebted to him and must regret his passing. He was a straight shooter, in both senses.



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(Continued from page 23)

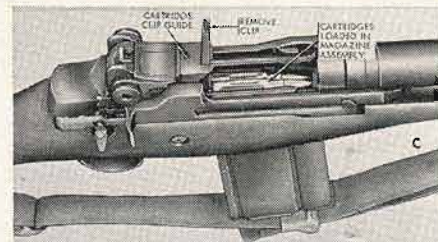
other Iron Curtain nations (including one plant in Viet Nam). Estimates of production reach as high as 35 million of these 30-shot rifle-caliber "burp guns" as of the end of 1960.

Margaret Chase Smith, U. S. Senator from Maine and a member of the Senate Armed Services Committee, directed a question on this to General George Decker, Army Chief of Staff, in recent hearings before the Congressional Committee. She asked if it were true that the manufacturing contractor "has fallen down badly in not meeting production schedules for the M-14 rifles" by showing "a very, very low rate of acceptable production to date?" General Decker replied, as quoted in the "Wall Street Journal" of April 20, 1961, "That is substantially correct." The manufacturing contractor answered that slow delivery stemmed from delays in delivery of government-owned equipment, from difficulties in obtaining certain specified materials, and from specification changes since the original contract was awarded in February of 1959.

While M-14 production lags, there is no lag in thinking ahead. In March, 1960, General Arthur Trudeau, Chief of Army Research and Development, stated in Congressional hearings that a replacement was already being sought for the M-14 rifle, that this gun would be obsolete by 1965. In a personal communication to this writer under date of June 10, 1960, General Trudeau said: "I would be failing in my mission if I did not look continually for new means to im-

prove our weapons... I think that a new-type, shorter range ammunition is possible (and) if this ammunition develops satisfactorily, we should consider the design of the best weapon to fire it. In this regard, I believe the weapon should be light and simple to operate."

General Trudeau is in agreement here with other military small arms experts. The Air Force, for example, doesn't like the M-14.



Major improvement over M-1 is the detachable box magazine of M-14.

"We want light weight," a high-placed USAF officer told this writer over highballs at the National Rifle Association convention in St. Louis in April, 1961. At a solid ten to twelve pounds weight with 20 rounds loaded, the M-14 regular, or the M-14 hipod models, are a good deal of iron to pack around. The Air Force wants lighter weight; lighter rifles and lighter ammunition.

The Colt-ARMALITE AR-15 in caliber .223 HV has been tested by the Air Force and, Colt spokesmen affirm, favorably. However, the decision to adopt the Colt rifle is still pending, though the ammunition seems to accomplish what both General Trudeau and the Air Force want.

But hold on, now: we have "adopted" the 7.62 mm NATO round, haven't we? Isn't it standard the world over? Isn't its commercial counterpart the famous .308 Winchester hunting load?

According to Norma Ammunition Factory's chief test engineer, Nils Kvale, "The .308 Winchester is not identical to what we make according to NATO standards." According to a Netherlands ordnance firm engaged in testing NATO-caliber military automatic rifles, the only cartridges that give difficulty are the "made in America" cartridges. Lake City Arsenal, the Government owned, contractor operated maker of this ammo, declared, when this problem was called to their attention, that the ammunition was made to U.S. government specifications. And when Springfield and Frankford ammunition experts were apprised of this little deficiency in U.S. "NATO-standard" ammunition, they were heard to say, "Guess we had better get around to standardize our ammunition..."

Efforts to standardize weapons and ammunition in the North Atlantic Treaty Organization have been devious. The M-14's emergence as the U.S. standard rifle included as factors favoring its adoption, to use the word of *Infantry* magazine for January, 1958, "lighter weight, excellent balance, and suitability for mass production and training." (The italics are mine.) While one contractor bogs down on mass production enough to raise a storm in Congress, the second Prime Contractor building the M-14 today has not been without headaches in the M-14 pro-

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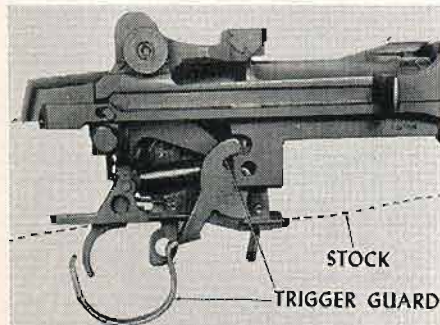


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gram. A lot of 100 rifles was scheduled for delivery to Army Ordnance inspectors in December, 1960. Senator Leverett Saltonstall of Massachusetts was guest of honor.

But of course the real guest of honor was not any living person, it was the M-14 rifle, or more particularly, the extractor for it. Prime Contractor No. 2 had "finished" 100 rifles—except that there was only one extractor among the lot. The lone extractor



Trigger group engagement in M-14 is improved, yet similar to M-1.

had to be shifted from bolt to bolt in order to proof-test that 100 of our Army's "new" rifles—this just 10 months after the Army had itself, through General Trudeau, made public the target date for its replacement. For a rifle adopted because of its "ease of mass production," the M-14 has had a strange record.

In view of our seeming inability to produce a "new" rifle in time, a variation of the basic Garand rifle might be worth considering as a rapidly obtained stop-gap in our small arms race. Let's consider it.

The Garand rifle was produced by Springfield Armory, by Winchester, by Harrington & Richardson, and by International Harvester, between 1938 and 1958. Up to 1945, approximately 4 million rifles had been produced. Figures on arms currently in the hands of the U.S. are not public, but must amount to several millions of good rifles. Some of the H & H and International Harvester rifles were obtained to give to friendly foreign nations. These rifles, though under the Mutual Assistance Program, still are a part of our "defense arsenal." They could be converted to effective simulations of the M-14 in all pertinent points. They would utilize existing receivers, without the hardships of condemnation of new M-14 receivers in mass production. They all have their own extractors, and are not dependent on sub-contractors for completion. Of course, the conversion would require new parts, but the matter is far from nebulous.

As a citizen and a taxpayer, you might ask whether your interests are best served by spending \$100 on an all-new rifle, or by taking an obsolete rifle already owned and in storage, and spending \$40 to renew it and have a rifle virtually identical to the \$100 model? The small arms procurement program has been treated as a "pump priming" operation, awarding contracts partly on the basis of whether the firm bidding is in a labor surplus area or not. But the pump can just as well be primed by an equal sum, spent to procure 2½ times as many acceptable rifles.

At present, the rifle most nearly suiting the needs of the U.S., in budget and in quantity of materiel needed quickly, is the

Italian-designed Beretta Model BM-59. Keep this in mind until I return to it.

Cut-down Garands are not new to Army ordnance. When the T-65 cartridge was finally figured out at about ¼" shorter than the .30 M-2, discussion arose as to whether Garands could be converted to the new cartridge. Though the answer was yes, Research & Development then made the step to develop a "new" rifle. What it did not consider was the habit of time and progress overtaking arms inventors. The Garand was adopted in 1936, first produced in 1938, critically remodeled in the gas cylinder system to achieve accuracy in 1940, and finally went into production en masse by 1942. But the first designs of John C. Garand reached the model stage in 1919. The first prototypes of the Garand M-1 as we came to know it existed in the 1920s. The Garand rifle, by the time it was adopted, was simply a very refined World War I self-loading rifle. The German full auto 30-shot assault rifle, Sturmgewehr 44, spelled the end of the Garand in 1944 as a semi-auto clip-fed 8-shooter.

During 1944 and the first seven months of 1945, John Garand was developing an automatic version of the M-1 rifle. A muzzle brake, detachable 20-shot box magazine, and selective fire switch on right above the trigger, distinguished this arm externally from its parent shooting stick. Designated T20E2, it was replaced in the model line after four years by T36, an almost identical rifle but barreled for the T-65 short cartridge. T37 followed, fitted with a shorter, lightweight, 22 inch barrel and a gas port four inches from the muzzle. The long receiver of M-1 adapted for the old cartridge was still used;



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the purpose being to study if a light rifle could be made with a minimum of changes to existing tooling.

A weight limit of 7 pounds had long hindered Springfield Armory development (though private commercial firms developed some as light) of a T-65 caliber rifle, so the concept of "light" which had given the entire project the title "Light Rifle Program," was abandoned. Evolution of the T-37 included adoption of a shorter receiver and bolt, scaled for the T-65 cartridge which had been adopted as the NATO standard round. "This was necessary," a Springfield Armory project historian wrote, "in order to put evaluation tests on a basis comparable with all other rifles which had been developed and with the FN rifle so designed (i.e., for short NATO cartridges) and now designated T48." The shortened rifle became known as the T-44.

In the winter of 1953-54, funds were made available and a small contract for the new test gun placed with Mathewson Tool Co., a Connecticut ordnance research firm. These Mathewson T-44s incorporated experience gained in competitive Arctic tests between the long-receiver T-44s and the Belgian-designed T-48. The T-48 designation refers to 500 rifles built according to the design of Dieudonne Saive, leading engineer at Fabrique Nationale d'Armes De Guerre, in Liege (Herstal). The Saive design, by special grant of the Fabrique Nationale, may be built in the U. S. for the Armed Forces of the U. S., without royalty charge to the F-N. Only 500 rifles were made. The guns were good, for they, too, embodied the experience of the Arctic tests. A Department of Defense

News Release dated May 1, 1957, announcing the adoption of the Springfield Armory as the M-14, concluded with the significant paragraph:

"The performance of both weapons (T44 and T48) throughout the tests was superior to that of the M1 rifle, and between the two there were only marginal differences. The major factors favoring the T44 are that it is one pound lighter than either the M1 or the T48 and is considered better suited for American transition to both mass production and training than the Belgian design."

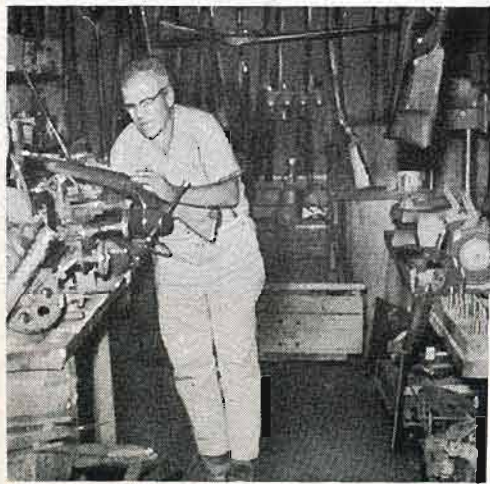
Indeed, yes, better suited to mass production than the Belgian design. . . . At this moment, the FN rifle is being built in Canada as the C-1, in England at both Enfield Royal Small Arms Factory and at the BSA-Guns, Ltd. works in Small Heath; at the Fabriques Nationale from which 50,000 have been delivered to Fidel Castro, and from which many thousands have gone to Germany, to Peru, to Austria, and other export markets, not to mention the Belgian paratroopers in the Congo and other UN forces. Australia has made \$3,500,000 recently in an export deal involving sale of FN rifles built at its Lithgow Arsenal to friendly foreign powers. But our Springfield Armory gun is so excellently adapted to our American systems of mass production that five years after it is adopted and now in production by Springfield Armory and two major contractors, we can't get enough to arm more than one company of the 101st Airborne, the "Screaming Eagles." Could that be why the eagles are screaming?

The Beretta rifle is the interim answer. It is a departure from that development series of "T" rifles prior to the short-receiver T-44 put out by Mathewson. The Beretta-modified M1 Garand, BM59, is available in four versions: Mark I, II, III, and IV. Differences are mainly in the addition of weight, heavy barrels, and in fitting a paratroop folding stock. The basic modification is a selective fire 17.6" barrel carbine weighing, without accessories, 8.4 pounds including 20 shot magazine. (The M-14 weight, without magazine, is 8.7 pounds.) A grenade launcher, winter trigger, blank firing training device, and a model designed to fire semi-automatically only, are available at option of the customer. Cyclic rates of 650 or 800 rounds are offered; bayonets of M1 form or of the Carbine type are used. Overall length of the rifle is 41 inches.

Taking the NATO cartridge, this design retains the battle-proved M-1 mechanism, but is a decrease in size and weight from the M1. It utilizes the existing enormous stock of M1 spare parts, and training changes are few. A special compensator, known as the Beretta Tri-Compensator, minimizes recoil and muzzle jump, and suppresses muzzle flash. The conversion on a government quantity basis, taking your M-1 rifle and giving you a BM 59, equivalent to a factory new rifle, is \$40. BM 59 was extensively tested by Italian authorities in March, 1959, and was then given a thorough shaking-out on request of SHAPE officials at the Sartory Weapon Development Establishment, Paris, 23 and 24 June.

"With the success of these trials," reports Dr. Pier Giuseppe Beretta to the author, "NATO's supreme military headquarters, SHAPE, recommended that all Garand-equipped NATO armies consider the conversion of the M1 Garands to the more effective

(Continued on page 44)



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7 x 31	12 1/4"	4.5mm	9.5 oz.	18'	7X, List	\$49.50	WHOLESALE \$24.75
9 x 40	13 1/4"	4.5mm	12 oz.	13'	9X, List	\$54.50	WHOLESALE \$27.25
12 x 40	13 1/4"	3.3mm	12 oz.	11'	12X, List	\$64.50	WHOLESALE \$34.95

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tive BM59, as with a small cost it is possible to have weapons with the same characteristics, and even better from certain standpoints, than the most modern Fabriques Nationale 7.62 NATO. The Beretta army in Gardone has just been completely tooled up to permit the timely conversion of those caliber .30 M1 Garands now in the NATO European armies. . .

The United States is a member of NATO. Our 250,000-man army in Europe today is the "sword and shield of NATO." But, its M-1 rifles are lacking. In open test, the FN is granted to be superior, and in open contract competition our American small arms industry and Springfield Armory appear to agree on only one thing: that they can't make the M-14 on schedule. Springfield gives one reason, and domestic contractors give another. The facts at the end are plain.

We need rifles now, and we need them desperately. Laos in the East, Fidel in the South, flare-up and brush-fire and limited

war and every pressure the Commies can bring to bear is coming in a mounting wave of "cold war" offensive against the U. S.

We need the immediate conversion as rapidly as a plant can be obtained to change existing M-1 Garand rifles to the equivalent of the M-14—equivalent in all but price. We need then to continue our development along the lines General Trudeau mentioned: "I doubt that any weapon or weapons system in existence today is beyond improvement," he told me. Quite obviously, our M-1 can be improved, leap-frogging the abortive, costly, behind-schedule M-14 program.

If we adopt the carbinated version of the M-1, call it BM59 or what you will, we will have plugged that small arms gap. We can then do what we should have accomplished a decade ago: leapfrogged the designs of the 1920s with which Springfield Armory has saddled us, and built a new rifle, light in weight, for our armed forces. Johnny has got to get his gun, and fast. Or else!

COLE YOUNGER: MAN OF MANY GUNS

(Continued from page 25)

was a fetish with Quantrill. The Raiders took weapons wherever they could find them, and kept the best they could get their hands on.

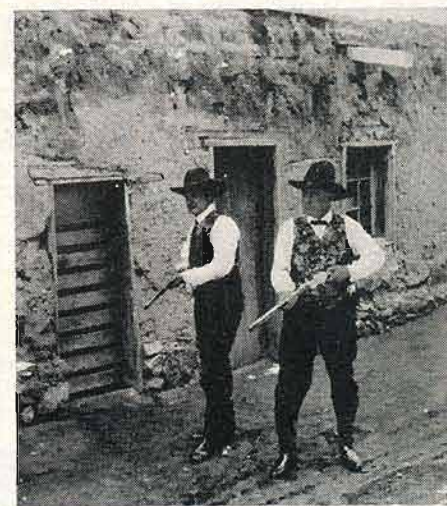
The James boys were firearms enthusiasts also, and when the five of them got together to form the most famous robber band in the nations history, they made it a point to out-gun the opposition. Good guns, good horses, hard riding, straight shooting—and the debts and hatreds of a war-torn frontier, gave them a decade of notoriety. Nobody knows how many banks and trains they robbed, or how much money they stole; James Horan, one of the West's better historians, gives the former figure as roughly 17, the latter as roughly \$200,000. They were credited with much more than that, in both categories. Several times, they were "recognized" as participants in crimes occurring the same day, too far apart to be reached by less than jet travel.

They used every make and size and shape of gun available to them in the years in which they lived: Colts, Smith & Wessons, Winchesters, Remingtons, Sharps, and others. This was true also of most of the other old western gunners, and it is no wonder that guns attributed to Billy the Kid and Hickok and the others crop up out of every attic. They are a headache to collectors. So many of them are "connected" only by oral testimony or, worse still, unprovable documentation, that seasoned collectors look skeptically at most of the "big name" items. Some of the James-Younger weapons are better connected. These men were captured, and captured in places and circumstances where the law took fairly prompt and reasonably efficient action, so that at least the guns they had on them when taken can be accepted.

The end for some, and the beginning of the end for all of the James-Younger gang came on September 7, 1876, in Northfield, Minnesota. It is a wry commentary on the worth of big reputations that these feared outlaws, these deadly fighting men, should have been foiled and moved down not by gunmen, not by practiced warriors, but by embattled citizens—by a student, by farmers, merchants, clerks, some of whom had never

heard a gun "fired in anger." How can anyone who has heard of Northfield ever question the strength of an armed citizenry in the war against crime? What if there had been a law preventing Northfield citizens from keeping guns handy?

Every town with a bank west of Chicago (and many even less western) had the James Gang jitters by this time, and Northfield was no exception. There were guns in the stores,



Carrying Winchester M73s once owned by Jesse James and Colt that belonged to Cole Younger, Jesse James, Jr. and H. C. Hoffman star in 1920 film.

guns in offices, waiting; and two or three strangers riding into town were sure to arouse suspicion. In Northfield, one of "the boys," probably Jesse, started the ball by shooting down the bank cashier, J. L. Haywood. Northfield was no Kansas trail town, used to gunfire, and the sound of the shot aroused the people. When "the boys" came out into the street, they were in trouble. A young student, Henry Wheeler, poured a rifle slug into Clell Miller from an upstairs window of the hotel. It was fatal. A hardware merchant, A. E. Manning, killed Bill Chadwell. Bob Younger's horse fell out from

under him, and Bob dived for cover, firing at Manning.

The fight lasted through a couple of dozen minutes: shotguns booming, rifles and pistols popping—the townsmen even threw rocks. Charlie Pitts was shot down, dead before he hit the dust. Why Jesse waited so long is a mystery, but when he did call “the boys” off, all three Youngers were badly wounded, too badly wounded to escape capture. Sixty-three days later, the three Youngers were sentenced to life imprisonment. The James brothers escaped—Jesse on his way to his appointment with the “dirty little coward” who was to “shoot Mr. Howard.” The West was near to the end of an era.

Mementoes of the Northfield battle are on display in the Schilling Museum and Hobby House in Northfield. There is a revolver labeled “Cole Younger’s Pistol,” a Moore, seven shot, single action, .32 rim-fire caliber, with a five-inch barrel. Its serial number is 880. There is a revolver taken from the body of Charles Pitts: a Smith & Wesson .44 Russian Model, with 6½” barrel. Pitt’s cartridge belt is there, snake-coiled against a wall, half of its loops empty. Gruesome but indicative of the feeling in Northfield (and elsewhere) about bank robbers is the section of Pitt’s scalp and ear which is prominently displayed and appropriately labeled. One wonders what the trophy board might hold if Jesse himself had fallen!

Another revolver that Cole Younger may have used is a Colt Army 1860 Model, percussion, caliber .44. It bears the chiselled inscription, “C. Younger,” on a piece of brass set in the wooden grip. It was found in a swap-shop in Missouri.

Still another is a Colt Navy 1851 Model, percussion, caliber .36, in the Public Museum in Oshkosh, Wisconsin. The donor of the gun, Mrs. G. P. Hopkins, tells this story about it: Her father, a constable in Oshkosh in 1876, arrested a man for vagrancy in August of that year. A revolver was confiscated and, when the man was released the following morning, the gun was held. Two weeks after the Northfield affair, the constable happened to see a wanted poster with Cole Younger’s picture. He said that Cole was the man he had jailed, the man from whom he had taken the gun. (How he must have regretted his haste in turning his vagrant loose!)

On the grip of this gun are the carved initials, “C. Y.” On the flap of the holster displayed with the revolver are the words, “Presented to Cole Younger by Maj. Quantrell 1864.” (Note the spelling of “Quantrell.” This was common, although later research seems to prove the “ill” spelling.) This Navy Colt carries the serial number 109168, which places its date of manufacture about 1860. The gun remained in the same family until it was given to the Oshkosh museum in 1950.

In the private collection of Miles Standish in Kansas City, along with guns attributed to Jesse and Frank James, is another Cole Younger gun—a Colt Single Action Army, .45 caliber, 7½” barrel, with walnut grips. Its serial number is 70432.

Another Colt Single Action Army, caliber .45 7½” barrel, with ivory grips, attributed to Cole Younger, is in the Saunders Museum in Berryville, Arkansas. This weapon was sent by the Northfield sheriff to Belle Starr, at the request of Cole Younger. Belle is said

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to have given the gun, in turn, to Texas Jack, "for saving her life."

The revolver taken from Cole at the time of capture in Madelia, Minnesota, shortly after the Northfield battle is a Colt Single Action Army, caliber .45, 7½" barrel, nickel plated and ivory handled. The ejection rod is missing. This gun is now on display at Missouri Resources Museum in Jefferson, Missouri. It was donated to the museum by Harry C. Hoffman of Oxford, Ohio, who was a playmate-friend of Jesse James Jr., and who also knew Jesse and Frank James and Cole Younger. Hoffman was called to the bedside when Cole Younger lay dying. This was March 19, 1916. Cole told Hoffman his story of the Northfield affair and gave him this revolver, along with a pipe Cole smoked for nine years during his imprisonment in Stillwater, Minnesota. According to Hoffman, Cole died March 21, 1916. Homer Croy, in

his book, "Last of the Great Outlaws," gives the date as February 21, 1916. Hoffman, with Jesse James, Jr., made a movie in 1920 called "Under the Black Flag," in which were used two Winchesters, Model 1873, .44 caliber, once the property of Jesse James, and the Colt given to Hoffman by Cole Younger.

Cole Younger was released after spending 25 years in prison. He worked at various jobs; finally went into show business with Frank James. Younger never used a gun in the show, though he did have a permit to carry one. Frank James used a Colt Bisley as a show prop. When they left the show, Frank offered this gun to Cole Younger, but Cole refused it.

Later, Cole toured the country lecturing on the evils of crime. He lived to the ripe age of 72, and died of an illness in bed, without violence. This must have surprised him.

A CHAMPION TELLS HOW TO WIN!

(Continued from page 21)

One morning during a pistol tournament, I sat calmly in a Florida restaurant, enjoying a leisurely breakfast, confident in the belief that the Slow Fire matches would be fired first and that, since each relay takes about 30 minutes and I was in the fourth relay, I had an hour and a half of margin. Imagine my embarrassment (and the terrific dent it made in my score) when I sauntered over to the range and found that the fifth relay was already firing. The day had started with Timed Fire matches, which go much faster. The program clearly stated the sequence of matches, and not studying it properly had cost me my chance of winning.

The match program will always tell you the time and method of entering the competition. Fill out your form completely and properly, and mail it well in advance of the closing date. In some of the critical matches, ones likely to be heavily attended, it is wise to secure a confirmation of your entry before starting the trip.

The match program may also furnish information that will influence your choice of transportation for the trip—by telling you where the range is located, how far it is from hotel or other accommodations, whether public transportation is available and satisfactory, or whether private transportation will be provided.

Before leaving home, be sure that your guns, ammunition, and equipment are complete and ready. Spare guns or spare parts in case of unexpected breakdowns are important. Guns should be clean and in perfect operating order. In the .22 caliber team event of the 1951 National Pistol Championships, I fired a score of 258—with 26 shots. I had two jams in the same match because of a dirty clip. My average score with the other four shots would have made our team the winner.

Your dope and notes for various shooting conditions should be complete, and you should be completely familiar with the sighting zeroes and shooting peculiarities of all your weapons. Have on hand or available plenty, including a safety margin, of appropriate ammunition for each event that you will fire. In skeet, trap, and some high power rifle matches, you will use ammunition furnished at the range. In smallbore rifle matches, you may laboriously work out well

in advance the ideal combination of ammunition and rifle.

Carry clothing to suit the weather you may find. At the Inter-Service Pistol Championships held in San Antonio, Texas, during February, the weather may be nice. It has been so the past three years. But be prepared for cold, wind, and rain. At Camp Perry, you may wade through mud, choke on dust, swelter in the heat, or sleep under two blankets. You will shoot in the wide open spaces following an unrelenting schedule. Be prepared for anything. At large tournaments such as Camp Perry and Vandalia, you may be on your feet and walk a lot. Wear sturdy, comfortable footwear.

Select a place to live and eat during the tournament well in advance. You may be assigned quarters and have no problem or choice. If the choice is yours, comfortable—not necessarily luxurious—quarters in pleasant surroundings within easy reach of the range will add to your happiness—and to your score. Pick a clean, conveniently located eatery serving wholesome, palatable, and plentiful food. A coffee shop or restaurant adjacent to or near the hotel or motel is particularly desirable for breakfast.

A hard day on the target range is grueling to most people. In very few cases will you find the time or place for a good lunch. So make up for it at breakfast and dinner (supper to you country boys). A complete breakfast of juice, eggs, meat, and the accompaniments is a good start. Supper is the time for leisure comfort and social amenities. Enjoy yourself, but avoid overeating late at night. Also, avoid imtemperate drinking in the evenings. Eat, sleep, and drink about as you would at home.

Arrive at the tournament site no later than sometime during the day before the actual firing begins. This gives you time to arrange quarters, select an eating place, rest from travel, look over the range, and collect your squadding tickets.

Squadding tickets are the devices used to give you a record of the firing point and relay (sometimes the time) at which you will fire each event. Study them, and keep them in a safe, handy place. It is even a wise precaution to make an extra copy and keep it in your shooting kit. In every big match,

(Continued on page 48)



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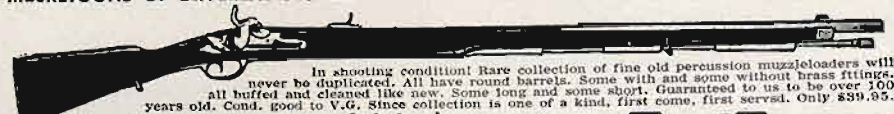
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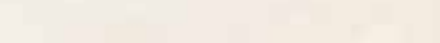
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(Continued from page 46)

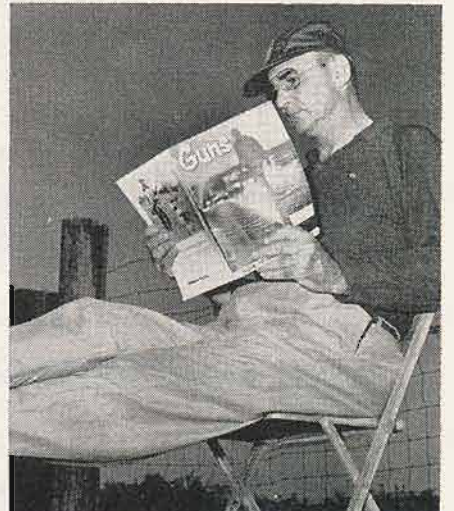
some people miss their relays either by forgetting when and where they are to shoot or simply by being late. One hot shot showed up promptly for the National Individual Trophy Pistol Match one year for his relay (the third) with a squadding ticket in his hand that belonged to a team mate who should have fired on the first relay. Match officials can have a surprising lack of sympathy and understanding at such times.

On each day of the tournament, arise early enough to have your breakfast, attend to any other appropriate errands, and arrive at the target range well in advance of the firing time for your relay. Barely making it is bad for blood pressure, pulse rate, and scores. A few years ago, a strong contender for the national pistol championship set his alarm too late, made a hard fast drive of several miles, and arrived for the first match of the tournament just after the firing started. Nothing is to be gained now by recalling that the match officials could have permitted him to fire with a reduced time limit. They did not. The point is that the costs of travel to and from the matches, living expenses for about four days, the time and cost of practice and training for the event and the chances of a national championship were blown by about sixty seconds of tardiness.

Exercise may become a problem for you at a shooting tournament. A moderate amount of it, separated from your shooting by appropriate periods of rest, is good. A brisk walk before breakfast helps to get your heart started. The same treatment before bedtime may relax you, get your mind off the tournament problems, and help you get to sleep early. Overexercise or unaccustomed exertion at anytime, and too much exercise during the shooting day, reduces your steadiness and increases the pulse rate. Insufficient exercise

makes the active types sluggish, but rest as much as possible between matches. A folding chair is very handy for this. Rifle shooters seem to favor folding canvas stools of the type with pockets for various accessories and items of equipment.

Sleep a little more at the big tournament than you usually do, but do not spend so much time in bed that you become sluggish. You will probably find it difficult to go to sleep on time the first night. After that—particularly at Camp Perry—you should find yourself more tired than usual at the end of the day and ready to go to bed early. One former pistol champion used to hell around until all hours. Another talked of suing the proprietor of a night club because there were not enough "fire exits" when his colonel paid the joint a surprise visit one night after nor-



Before match, ex-world pistol champ Bill Toney relaxes with a magazine.

mal bedtime. But the men who have won the national pistol championship the most lived moderately. One of them usually retired about nine o'clock each night. Don't overtrain. Just be reasonable.

Drinking, which used to be common at pistol matches to beat the pressure, now seems to be a thing of the past. Rifle shooters, particularly the smallbore group, never went for it. If you are going to shoot either pistol or rifle, don't smoke. It has been established conclusively and scientifically that smoking a cigarette makes either a smoker or nonsmoker less steady than he was just before smoking it. If you are a regular smoker, try abstaining during the shooting day. One top-flight pistol shooter smoked heavily but never between bedtime and the end of the next day's firing.

Some tournaments permit pre-record practice; others do not. If you have the chance for practice firing, take enough of it to check your sight adjustments and zeroes, familiarize yourself with the target operations on pistol ranges, and become accustomed to the traps at trap and skeet tournaments. Don't let your enthusiasm lead you into overdoing it. If you have not learned to shoot by the time you reach the big tournament, you are not going to learn in the next day or two. Keep rested, with a slight edge of eagerness, in order to turn in the best performance of which you are capable. If that is not enough, work hard after the tournament and come back next year.

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locate yourself and your equipment properly back of your firing point. Keep alert, and pay attention. Some people have missed relays while sitting directly back of their firing point because they were engrossed in conversation or some other diversion. When you are called to the firing line, check your firing point against your squadding ticket, stamp it in mind, and be sure you are on it each time you fire. Shots fired on the wrong target are of little help.

Worry, anxiety, buck fever, stage fright, whatever you call it, takes its toll of both new and old shooters who are good in practice but blow up in the big match. A shooter brings most of this upon himself. He may be afraid he is going to shoot an unusually poor score—or an unusually good one. Actually, he may expect his average score minus a reasonable allowance for strange ranges, larger crowds, strange officials, and the importance of the event. To anticipate a great difference is unreasonable. A smallbore shooter with a 99 average has mathematical odds of 99 to 1 that on any given shot he will score a ten or an X. The trapshooter who averages 24 out of 25 has a 24 to 1 chance of breaking any bird. Nothing he can do at the moment will improve those odds for the 25th bird after he has broken 24. Trying to force himself to nail that last one is more likely to upset his timing and bring on a miss. He should accept his odds and be content with them until he can improve. Forcing yourself during the tournament will not increase your ability. That has already been determined before you got there.

Do not keep a close running account of your score and standing in the match. There are exceptions. In one .45 caliber pistol team match, Capt. Bill McMillan, Marine anchor man, sent a runner to check the strongest contender and advise what he needed to win. The word came back, "You need a perfect score." His Rapid Fire string was coming up. Here it is usually wise to make sure of firing all five shots of each string on time, and hope for a good score between 95 and 100. McMillan knew that 98 or 99 was not enough for a win. He took a little more time to cinch each shot and ran a calculated risk of being late and losing one shot. His goal was win or nothing. He won. But, unless you are a McMillan, shun that practice like the plague. Many a good score has been ruined in the last few shots because the shooter knew he was about to win a match or set a record. Shoot each shot as well as you can when you come to it. There is nothing you can do about the one already fired, or the one to come. Do not anticipate your score. Count it up at the end of the match.

Scoring procedure varies with the different types of shooting. High power rifle targets are usually scored in the pits, smallbore rifle targets in the statistical office, pistol targets on the frames, and trap or skeet as each shot is fired. You may be scored by either another competitor or a match official. If you do not agree with the score given you on first scoring, declare your difference of opinion in the prescribed manner for a challenge then and there. There need be nothing personal or upsetting about such things. Some people will be unable to see the chip you just shot out of a clay pigeon or will be able to see space between the edge of your bullet hole and the next higher scoring ring that you cannot

(Continued on page 52)

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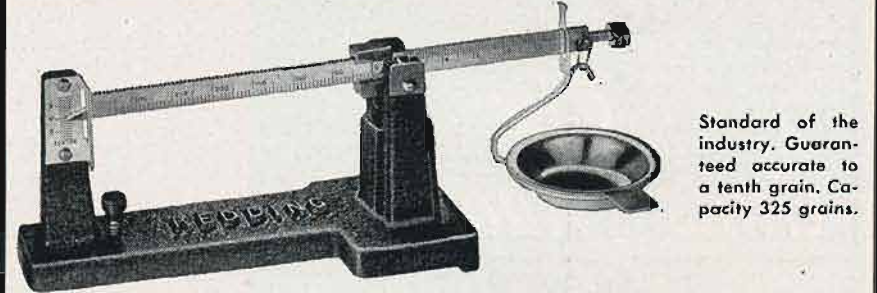
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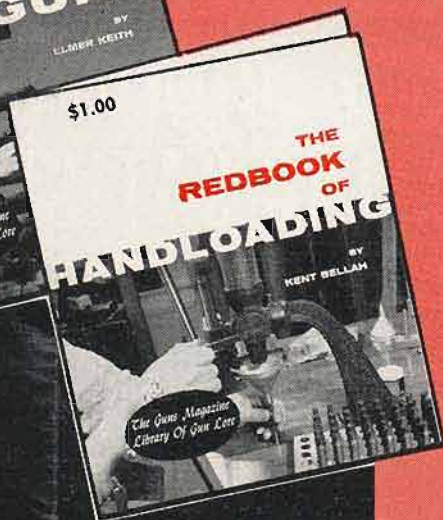
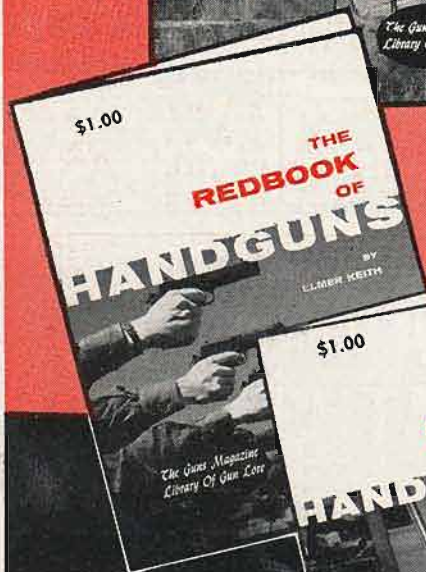
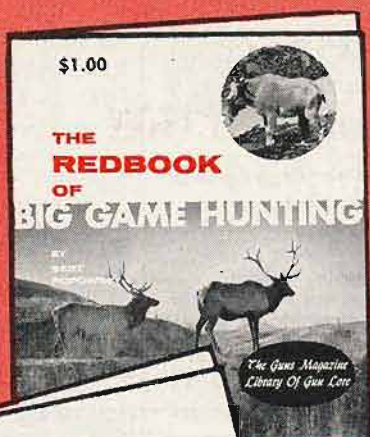
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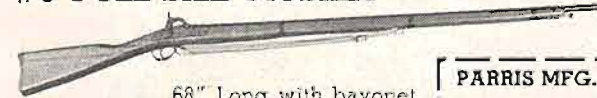
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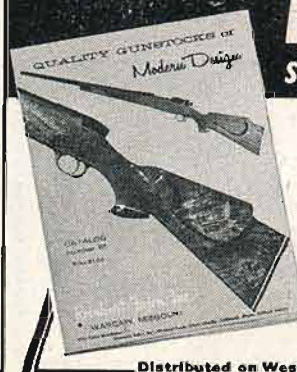


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(Continued from page 49)

see. That does not mean that he is trying to cheat you, and your challenge should not be taken as an impeachment of his honesty and integrity.

The rules for most types of shooting provide that a competitor may "challenge" the value given a shot fired by either himself or another competitor. He may "protest" an injustice which he thinks has been done him, the conditions under which another competitor has been permitted to fire, or the equipment which another competitor has been permitted to use. Proper procedure for either is set forth in the rules for each type of shooting. Do not challenge or protest without good reason. Then do so courteously, objectively, firmly, and effectively.

As soon as the scores are likely to be posted on a preliminary scoreboard, and well ahead of challenge time, check your score for accurate posting. If there is an error, you need not be excited. It is probably administrative and can be cheerfully corrected. The rule books and programs prescribe the accepted challenge and protest procedure. Start the procedure and state your case. Otherwise, ignore the scoreboard. Once it is accurately posted, there is nothing you or anyone else can do to change it.

Safety is a must at a big tournament. Thousands of people are involved in some of them, and each person may fire hundreds of shots. All of them must be fired safely. This requires constant attention on the part of everyone. When safety is not brought about by self-discipline, it is the duty of range personnel to enforce discipline, and the duty of competitors to assist in such enforcement.

Officials, in return, may be expected to carry out their various duties fairly and impartially. They should not molest competitors nor allow such practices by other officials or competitors. When disciplinary action against a competitor becomes necessary, it should be taken in such a manner as to cause the least inconvenience to all concerned.

Not everyone can become the champion, but we can all be fair and honest sportsmen. Fairness and honesty are self-explanatory. Their absence make it difficult for you to look yourself in the eye as you shave each morning, and may result in your expulsion from the tournament. Sportsmanship involves honest rivalry, courteous relations, and graceful acceptance of results. The true sportsman wants all that is his, and no more. He will strive for a high level of performance, and will assure his opponent of the opportunity to achieve the highest performance of which he is capable. He is modest in victory and dignified in defeat. It is gratifyingly amazing how very, very few participants in competitive shooting fall short of these standards.

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GUN RACK

(Continued from page 6)

Paul Haberly at the Chicago Gun Center. Triggers are custom made and installed, and can be fitted to practically all shotguns. Stan Golik is one of the outstanding shotgun repair specialists in the country, and has fitted guns for many of the greats and near-greats of the trapshooting fraternity.

Ear Protectors— A Good Investment

Shooting as much as I do, I am always on the lookout for something that will effectively reduce range noises. The Straightaway Ear Protectors are made by David Clark Co., Worcester, Mass. This company has been making these Ear Protectors for industrial uses for many years, and I managed to latch on to a pair. Despite all the kidding about "bunny ears," my loud-mouthed shooting buddies soon stopped their kidding, and now the range abounds with the green bunny ears. Pistol shooters, long known for their deafness due to much shooting, are in favor of them, and several of my friends who shoot competitively every week of the year, claim that the bunny ears have helped to boost their scores, since the next guy's gun no longer interferes with their own concentration on the target picture. Personally, I'd rather wear the Ear Protectors and keep my hearing than be a deaf hero.

Some Personal Gloating

For over two years, I had been looking for two actions. One was a BSA Martini for conversion to a plinking cartridge; the other, a Winchester High Wall. Last week I found both, the Martini in fair condition, although the stock is somewhat battered, the Winchester action in a box with more actions of the same kind than I thought were in existence. I am planning to convert that one into a 6 mm. Friend of mine in Texas has one in .22-250 that does incredible shooting at unbelievable ranges. Of course, my sidekick is an ex-Marine sniper and can shoot rings around most of us, including me. I am perfectly willing, however, to make a trip to Texas when my Winchester is finished, and see whose gun is more accurate—from a bench of course.

Handloading News

This is perhaps the most prolific and most productive field in the whole gun business. Every time you turn around and think you have all techniques down pat and your loading shop geared with all the latest, a truck load of new stuff shows up.

Charlie Heckman of C-H Die Company told me at the recent N.R.A. meeting that he now has seaters for swaged bullets. These seaters are designed to prevent damage to swaged bullets, and will fit into seating dies. He also has a star crimper for the plastic shotshells that holds the crimp firmly. I

have not tried either one of these items, but have always found that things that come out of Charlie's shop do just fine on my loading bench.

Dick Lyman of the Lyman Gun Sight Corp. was kind enough to give me a sneak preview of the new Ohaus 505 powder scale back in January. He tells me that scales will be shipped shortly to dealers, and that the preliminary demand for the scale is amazing. I can well understand that. The scale is self-contained with hinged lid, has a magnetic damping action, and weighs up to 505 grains. With the box closed, all parts of the scale are stored so that there is no chance of upsetting the accuracy of the scale or getting it out of whack in any fashion. The extra large pan is most welcome, especially to me since I like to check my loads for my shotshells every so often and the smaller scales don't give me enough room or, for that matter, weight tolerance. This scale is sensitive to within 0.1 grains. Lyman also has some new sights available for various gun models and a new die for bullet casting.

Markell of San Francisco is beginning to market their new gas check bullets in .38 and .44 caliber. They are designed for magnums as well as for the standard guns, and are specially lubricated. The gas check supposedly prevents leading when hot charges are used. As yet, I have not tried these bullets in any of my guns, but will be interested to see how these cast bullets compare with those I make on my bench, and with some of the commercial ones. Markell has, however, a very good reputation and I have found some of his other bullets to be highly accurate.

For some time now I have been trying a load of new CCI Magnum primers. Let me summarize right now: they work fine and have never let me down. Now something about the technical aspect of these primers. Reduced charges will be more uniformly ignited with Magnum primers because of the maximum heat duration and the fact that the shape and placement of the powder charge in the case is not a critical point, since the available heat is sustained for a long enough period to ignite the powder charge properly, even though an excessive amount of air space is in the case due to a reduced load. Regular primers very often do not fire a very reduced load. Moreover, some of the light powders used by handloaders today are heavily coated with a deterrent. The maximum heat produced by the Magnum primers assures complete burning of the powder load. With the Magnum primers a greater degree of uniformity of velocity and an increase in velocity occurs and that point can be of considerable interest to those of us living under extremely cold conditions. I think that the CCI Magnum primers will prove valuable to a lot of the



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handloaders, and I can only report here that they performed very well for me.

Winchester will market a new .22 Magnum Rimfire cartridge in the very near future. This will be a full metal case with a 40 grain bullet. Velocity at the muzzle is identical to that of the hollow-point, that is 2000 fps from a 24-inch rifle barrel, and from a 6½ inch revolver barrel the muzzle velocity is 1550 fps. With the 4½ barrel, it is 1420 fps, and 1780 fps with a 10 inch barrel. Predictions right now seem to be that this will make a good turkey round, since little tissue destruction occurs; but some of the died-in-the-wool turkey hunters I know have been yelling for more power and heavier

bullets. Most certainly, however, it should make an interesting varmint round and small game load.

The new MEC 500 by Mayville Engineering is another step forward in shotshell loading tools. The shell is only handled twice in the entire operation of loading, and an experienced operator can produce 500 rounds per hour. Because of the demand, Ted Bachhuber has to back-order the new tool, but he hopes to be caught up with production in short order. I saw the MEC 500 at the N.R.A. meeting and made several rounds with the greatest ease. They chambered perfectly in a pump, double, and autoloader.—Bob Steindler

HANDLOADING BENCH

(Continued from page 12)

with excellent results, cutting playing cards and splitting bullets on an axe blade, breaking targets on either side.

Most handloading problems can be traced to cheap, inferior equipment. The major trouble is shoddy workmanship, with dies or frames out of alignment, or incorrect dimensions. Some cast iron is good, and does the job well. Some does not. In no other field is a respected brand name so important. The best brands are generally highly advertised and well known, with modest claims for top quality. But the products are of high uniform quality. Prices are apt to be higher than cheap merchandise, but so is the quality and satisfaction.

A friend nearly blew his head off with cheap "bargain" scales that registered 4 grains light, for his particular charge. Three makes of scales that we have found accurate and dependable, with good quality control, are Webster, Redding, and Pacific. All I've tested were excellent.

A chap showed me some of his reloads that had scored the bore of his shotgun. He had bought "bargain" steel shot. Evidently they were surplus shot, probably used for ballast rather than for reloads. The shot in his loads were non-uniform, many having tails, and were covered with red rust. I always recommend shot and other components that are designed especially for reloading. Some "bargain" lead or chilled shot are non-uniform, as they are made for ballast or for shielding atomic installations.

B. E. Hodgdon, the powder man, Merriam, Kansas, is making what he calls self-lubricating half-jackets for swaged handgun pills. They appear to be made of plastic. I made a few .38 pills in a C-H Swag-O-Matic. They shot well with 3 grains Bullseye. Heavy charges caused leading. I believe these are okay for light or moderate loads. The .38's are low priced, only \$3.50 per 500. Hodgdon tells me he will soon have .44's.

Some lads use Lyman gas checks in place of jackets. They are generally satisfactory at low or moderate velocity, but a few guns give bore leading. Painting the bases with melted bees wax helps. I haven't found a substitute for half-jackets of the best grade for normal or Hi-V loads. Three fine makes are Bahler, Harvey, and Speer, and perhaps

others I haven't tried. C-H plans to make quality cups soon.

The excellent "Book of Pistols and Revolvers," by W. H. B. Smith, that I revised and brought up to date, has at least one error that was called to my attention. On page 678 the starting serial number of the S & W .44 Magnum is too high. I own two guns with lower numbers. Errors in print glare like a neon sign. Sometimes it's my typewriter, and sometimes ignorance. Anyway I'm checking the correct number. Walter Smith knew more about handguns than any man I ever knew. Walter's errors were remarkably few for a work of this nature. The new text is greatly enlarged, with about 100 new pages and over 100 new photos. The new edition of Smith's book is without equal or competition. At many dealers, or \$10.00 postpaid from the Stackpole Co., Harrisburg, Pa., and worth every cent.

We loaded excellent ammo on a Kodiak Shotshell Reloader. It's made by the Jefferson Corp., who make fine sporting arms, Box 185, North Haven, Conn. It sells for \$59.95 with a Universal Measure Bar for light and heavy loads. My 12 ga. is for 1½ and 1¼ oz. shot, and bushings for a variety of powders. It loads both primers and caps, has two open stations, and a single stage crimper with adjustable stop. A wad pressure indicator has an adjustable stop. Shells stay in the sizer for all operations. You can change to other gauges quickly. This is not the fastest machine, but it's versatile, sturdy and good.

Checking 1¼ oz. loads with Illinois chilled shot, and Alcan wads, patterns equalled factory ammo, using a Hi-Standard Trophy. With identical loads, except using Illinois Long Range Copper Plated Lead Shot, patterns were more even and dense, with greater penetration than the same make of chilled shot. No doubt this is because fewer pellets are deformed in the bore to give flyers. The name "Long Range" is quite descriptive. Shot pellets kill by penetration and pattern density on the terminal end. The "shocking power" of the old soft "drop" shot was a myth, a hangover from black powder daze. Perhaps rifle and handgun shooters of yesteryear started it, because their soft lead bullets delivered more shock than hard alloy types.

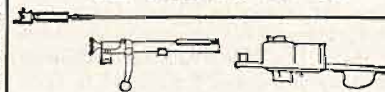
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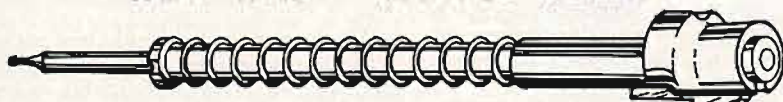
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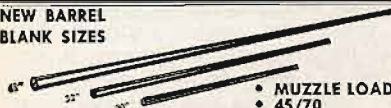
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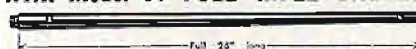
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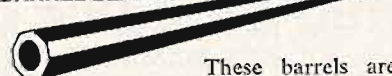


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SUMMER WORK FOR WINTER GUNS

(Continued from page 27)

I began to get a feeling of familiarity as I worked on comb and cheekpiece. My rifle was becoming something less than a stranger to me. Finally, one day, using a doe as an aiming point, I arrived at an ultimate fit—the place where I found it hard to *not* look through the sights when I snapped my rifle to my shoulder.

Now the final "look-in" of my rifle began in earnest. On all occasions, when I walked the hills during the summer, I had this rifle in my hands. I would pick out some object for an aiming point—then, with eyes on it, snap my rifle to my shoulder. It came up beautifully, down hill, across ridge, uphill. Where I looked, those sights were on.

But I was still not ready for the autumn deer woods. Not by a long shot. I began smoothing out the cycle of aiming, firing, reloading. (Before you "look-in" your rifle, be certain of game law and firearms regulations concerning loaded rifles afield during closed seasons.) That means coordination of trigger pull, sights, rifle balance, and rifle inertia. The balance has to be felt, made an integral part of the whole, dominate the ritual of gun mounting. I felt a kinship for the balance of this Mannlicher, with its slight muzzle heaviness, right from the first. But the rifle did require handling—plenty of handling to get the feel of all dimensions. I had to feel it in hand until I knew that this was *my* rifle, responsive to my every whim.

Eventually, I began using live ammo on my hill targets, feeling the recoil, seeing how

those sights cut up through the target on firing, seeing how the rifle "hedded" my shoulder during recoil and while I chambered another round for a second shot.

I started this part of the "look-in" process by using iron sights—a Williams top scope mount, with an Ace-In-The-Hole-Peep. I would walk through my hilly reforestation, pick out a target at 50 yards, snap my rifle to my shoulder, and without waiting, get off the shot. Not surprising, I got good killing groups at this distance right from the very first.

After many sessions with iron sights, I removed the aperture for awhile. I would snap my rifle to my shoulder, fire—all without the benefit of the rear sight. I wanted absolute assurance about the rifle's fit, the balance. The off-hand groups didn't widen too much at 50 yards, the average brush range for deer. They could have been easily contained in the vital area of a buck, even though I made them without the benefit of a rear sight.

Each time I fired this rifle, I put it through the routine of reloading, snapping the bolt back, chambering another cartridge. This part of the familiarization process is very important in a deer rifle, for it always leaves a brush hunter with a load in his rifle, ready for the next shot. A rifle which hasn't been thoroughly "looked in," strange in the hands of a hunter, is likely to remain unloaded after the first shot—until the hunter consciously attends to the details of chambering another cartridge. Usually, the routine stops with the fired shot, leaving a precious interval when the hunter may be confronted by a trophy buck, only to find that he has an empty gun.

During the evening, when I returned to my study, I had my deer rifle on my desk, where I could pick it up frequently, snap it to my shoulder, feel the heft of it, the balance, become better acquainted with it. Even the sling got its share of attention.

Ordinarily, a sling for a rifle is equipped with swivels the width of the strap. Using a Boyt rifle sling, I had the family shoe repairman sew two swivels on the respective loops at either end of a carefully measured carrying strap. The strap selected was an inch wide, for easy carrying. But those swivels were seven eighths of an inch inside their bows. In pulling the strap ends through, before the sewing, they wedged firmly, canceling out any tendency of the swivels to rattle in the woods.

I ended my familiarization period by carefully sighting in the rifle with a 4X scope at 200 yards. I already had sighted in with iron sights at 100 yards—both sights adjusted to 200 grain Hornady soft point, round nose bullets, driven at 2450 feet a second—an excellent brush and open burn combination. The scope would be used mostly for the more open shooting, the iron sights used in the brush. At those 50-60 yards woods ranges, I could see no reason for scope sights—nor iron sights either, when I come right down to it. More important than the sight option in either case was the "looking in" this rifle had been subject to all during the summer.

To emphasize this particular rifle caper, make a test with your own deer rifle. After

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Shpg. wgt. 2 lbs.

Price per set: 2 pc. rifle die sets \$4.79; 3 pc. pistol die sets \$6.49.

Standard Conventional Type Mark II Reloading dies, heat treat finish not chrome plated. Shp. wgt. 2 lbs.
2 pc. rifle die sets \$5.49
3 pc. pistol die sets \$7.19



HERTER'S FAMOUS MODEL 3 SUPER RELOADING TOOL



\$13.95

- World's largest selling re-loading tool that really speaks for itself.
- Loads rifle, pistol or shot-shells.
- Full length resizes and swages bullets with ease.
- Lathe bed cast iron frame stronger than similar tools, no scrap iron used.
- Complete with primer arm, and shell holder of your choice.

Shp. wgt. 23 lbs.

HERTER'S MODEL 40 POWDER MEASURE



Patent Pending

- Only measure of this type made with micrometer setting. Has two built in baffles that actually take the weight off from the powder.

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Shpg. Wgt. 4 lbs.

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Guaranteed for your lifetime. In translucent white or red. Price for any pistol or rifle cartridge. 42¢. Shp. wgt. 8 oz. Price for any shotgun shell 49¢. Shp. wgt. 8 oz.

Send for famous free booklet. How to Reload by George Leonard Herter. Send 25¢ for giant 400 page reloaders catalog. Dept. 2 AG

IMMEDIATE DELIVERY

HERTER'S INC. SINCE 1893 WASECA, MINN.

seeing that your rifle is unloaded, cock it, put the safety on. Now snap it to your shoulder, eyes on a target. Release that safety as the gun is mounted, and get off the shot. Now, how did you fare? Be honest with yourself. That interval between the time when your sights settled on the target and the simulated shot—did it seem right? Did you have to reach for a second aim, steady the sights a bit? How about the second shot? Did you take the rifle down from your shoulder to reload? If you have to answer yes to any one of those questions, better begin that familiarization course, the "lookin' in" of your deer rifle.

All this is much more essential for a clean, humane kill than caliber, velocity, or bullet weight, important as they are. It's no casual undertaking, either. Rifles are individuals. No two are exactly alike—not even when they are the same model, the same caliber, have the same barrel length and stocking.

You go to the range, sight in your rifle. In the process you examine it, have it in hand, snap it to your shoulder, maybe remembering how a big buck looked in those sights. All this helps, making the rifle a bit less strange in your hands. It is part of the essential routine of "looking in" a deer rifle. But it isn't enough. Get your hands on that rifle at every opportunity—on the range, in your home, until you know that any other rifle would not "feel" as this one does, or "look" the same through its sights.

Broken down into its component parts, the ritual of "lookin' in" a deer rifle give you subconscious control of that trigger. When you will the shot, you'll not be conscious of trigger pull. It makes those sights so familiar, there is no conscious thought in alignment. Working the bolt to chamber another round is also a subconscious routine.

During the process of making my gun trail-ready, I became so familiar with its shooting that I found no trouble in taking a deer with it without the rear sight, when the aperture was accidentally broken. That particular day, I hunted in a downpour of rain, easing along a fern ridge toward camp, the broken rear sight in my pocket, my gun looking strange with the aperture missing.

A beautiful three point buck came smoking out of a clump of fern. I snapped the rifle to my shoulder and fired as he touched the ground the third time—27 feet from his bed. He went end over end, to fetch up under a sheltering hemlock. I dressed him out and left him hanging there to cool. He had a broken neck.

Another time, I was hunting the brushy Lampa Mountain ridge with Al Lyman. I wanted a big buck, one which would give point to the breaking in ritual of my new stock. A beautiful forked-horn hit the trail running, angled along the hillside. I caught only momentarily glimpses of him for the first 35 yards, but then he hit the ground in a small opening. I don't remember sighting, or the actual ritual of firing the shot. These factors were so much a part of the over-all routine that they scarcely registered with me. What I do remember is the deer going head over heels to crash in a clump of huckleberry. He had a broken neck.

When Al Lyman came down through the brush to the sound of my shot, he paused and watched me dressing out my deer. He stooped and pulled the head around, examin-

(Continued on page 60)

UNSERVICEABLE MACHINE GUNS

Potomac Arms now offers a variety of non-operational machine guns, available through no other source, to collectors and arms students. All weapons listed below are available for immediate delivery.

*Made unserviceable or deactivated by steel welding. Internal parts function. Can be used for instruction purposes, or as a prized decorator for collectors.

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Cal. 25mm. with 3 flares. Additional flares 50c each. Ideal as a boat flare or for celebrations.



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SUPPLY LIMITED



LANCHESTER

Rare British sub machine gun, cal. 9mm. Complete, \$29.95; Select, \$39.95



LAHTI ANTI TANK RIFLE

Caliber 20MM and gas operated. Made in Finland and used by German Army in WW II. Drastically reduced for final offering sale. This "Monster" comes in original heavy duty chest, with essential replacement parts and accessories included. Shipping weight about 250 lbs. F&B price while they last, only \$119.95. AMMO AVAILABLE: 20MM armor piercing rounds, \$75.00 per 100. Minimum order, 10 rounds for \$10.00.



FRENCH CHAUCHAT DEWAT

French light machine gun, cal. 8mm. WITHOUT BUTT STOCK. \$14.95; Select, \$19.95. Accessory kit sent FREE with this Dewat.

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ROBERTS

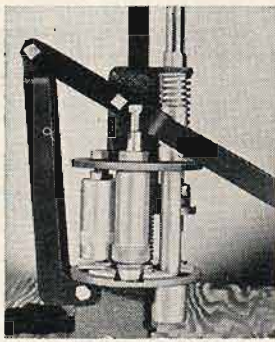
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WALNUT - MAPLE - MYRTLE

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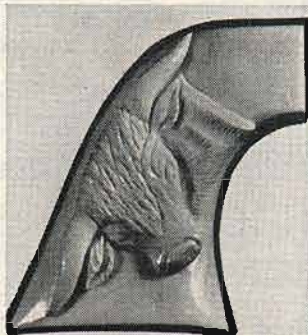
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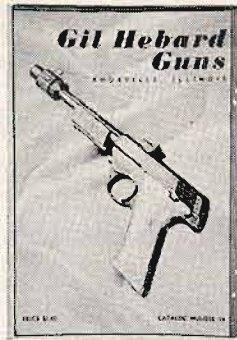
MEC 500 SHOTSHELL RELOADER easily processes 500 shells per hour. Economical interchange of parts and dies without minimizing quality. One stroke of press handle performs up to 9 different operations on six separate shells. Illustrated is exclusive Re-size-Deprime station which resizes shell to original diameter and head spacing, making possible to load any shell including new plastics. Shell is deprimed in same operation. Mechani-trol Wad Guide permits accurate feeding and positive seating of over powder and filler wads in combination. Final Crimp Die adjustable both for depth and radius of crimp. Priced at \$89.95 complete in 12 gauge, the MEC 500 is manufactured by Mayville Engineering Co., Mayville, Wis.



CLASSIC GUN CASES in hand-rubbed rustic walnut, complete with glass lid that locks securely with hasp and key lock. Felt lined mounting clips in satin brass finish included. Matching brass hardware. Choice of red or green felt lining. Over 50 cabinets available in different finishes and styles. Fully guaranteed. Send 25c for complete catalog to Fort Dearborn Trading Company, 1027 Woodbine Ave., Oak Park, Ill.



STAG GRIPS custom hand-carved in genuine pearl or ivory for revolvers and automatic pistols. Such subjects available as steer head American eagle, Mexican eagle, Buffalo, Deer, Elephant head and others. Prices for carvings only \$11 to \$14 each, grips extra. 25c brings famous 48-page Gunsmith Catalog #60 fully illustrated. From: Frank Mittermeier, 3577 E. Tremont Ave., New York 61, N.Y.

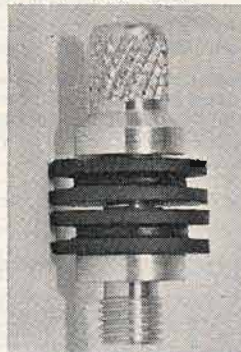


PISTOL SHOOTERS reference book and catalog available from Gil Hebard Guns, Knoxville 6, Ill. 116 packed pages devoted to competitive pistolman; over 450 illustrations. All latest products and prices. Pistol shooters "Bible" and standard reference book. 50c, postpaid. Orders accepted now.



STRAIGHTAWAY EAR PROTECTOR can mean bulls-eyes for pistol shooters. Enables firing without loud noise. Lets nerves stay steady. Keeps ears from ringing and hearing protected throughout match.

Winner of more than 100 trophies, Professor Walter A. Kistler, currently New Hampshire State Gallery Pistol Champion, is great advocate of Straightaway. The exceptionally high attenuating Straightaway Model 372-9A is Professor Kistler's favorite. This same model is used by West Point Pistol Team. Manufactured by David Clark Co., Inc., 360 Park Ave., Worcester, Mass.



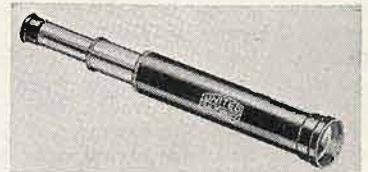
GUN CLEANER POLISHER TIP with neoprene discs designed to clean gun bore thoroughly. Discs have built-in oil reservoir to hold oil or cleaning solvent for 12-16-20-gauge shotgun in each package. Takes minimum time by giving proper pressure to patch against bore. No brush needed. Easy to use, fits all rods. Self-locking plastic case. Sells for \$1.00 a box. From the line of Stella Products Co., P. O. Box 822, Chicago 90, Ill.



SHOOTERS' GUN CASES with heavy-duty Talon zipper, separate adjustable carrying sling. Attractively embossed design of two deer in crimson red. Cases are available in lengths of 39" to 50". Will accommodate all types of rifles and shotguns. Of fine water repellent duck material with saddle leather trimming. A product of International Firearms Co., Ltd., 1011 Bleury St., Montreal 1, Canada.



LOW-PRICED .32 caliber revolver available 5-shot double action with loading gate only \$19.88. A lightweight real .32 that can slip into pocket or car, for use in hunting or trapping. Lightweight with solid steel barrel to give close-up accuracy. Form-fitting handles make it easy to hold. Priced at \$19.88 express collect from Godfrey Import Corp., 67 Reade St., New York 7, N. Y.

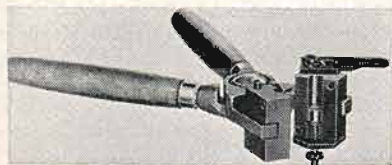


30X TELESCOPE engineered by United Binocular Co., 9043 S. Western Ave., Chicago 20, Ill. Compact 7" size when closed, only 14" long when fully extended. Made of a special aluminum alloy, all-metal telescope weighs only 8½ ounces. Brings any object 30 times closer. Precision ground 30 mm objective lens gives image fine clarity. All parts have threaded fittings. Comes with plush lined dark pigskin carrying case. Sells for \$9.95 (no federal tax). Backed by United 30-day free trial money-back guarantee.



IMPROVEMENTS have been added to Pneumatic Rifles of Sheridan Products Inc., 1234 13th St., Racine, Wis. A semi-beavertail forearm for Blue Streak and Silver Streak models, called "King-size Forearm," and a wide flaring, better-looking, safer Trigger Guard add to beauty of high-velocity rifles. Sturdy Exhaust Valve, coupled with last year's improved Intake Valve, makes tough, enduring valve combination. Rifle line geared to controlled power for safe shooting.

WITH Guns



ADJUSTABLE SINGLE CAVITY Swaging Core Mould. Now scrap metal can be melted and swaging core poured for fraction of cost. Length and weight of bullet to be swaged can be accurately predetermined with Core Mould. By adjusting base screw, a core of any desired length and weight can be cast. Adjustable Core Moulds offered in .22, .30, .38, .44, and .45 caliber sizes. Cost of Adjustable Swaging Core Mould is \$13.50 complete, or \$10.00 for Mould Block only. Direct inquiries to Lyman Gun Sight Corp., Middlefield, Conn.

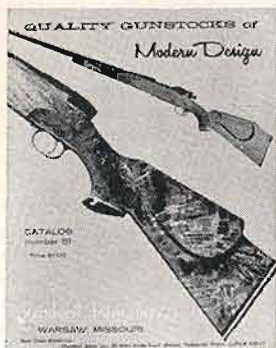


CONSUMER CATALOG No. 61 now available by O. F. Mossberg & Sons, Inc., New Haven, Conn. Describes in detail complete line of rifles, shotguns, telescope sights, Targo guns, Targo traps, and Covey hand trap. Realistic cover illustration depicts gun room scene of typical shooting fan. Painting executed by Norman Adams, well-known illustrator and gun enthusiast.



STAR LITE moisture-removed light-weight foods allow outdoorsmen to knapsack beef steaks, boneless pork chops, ham patty mix, open hearth stew (with beef), chicken stew, rice and chicken dinner, and cooked scrambled eggs. Freeze-Dry Foods can be prepared in 2-15 minutes by adding water. Packaged in two- and four-person servings. Outdoorsmen, and stay-at-homes can eat nutritionally balanced, naturally flavored meals that need no refrigeration and are carefully packaged for complete protection. Star Lite Freeze Dry Foods introduced by Armour & Co., 1355 W. 31st St., Chicago 9, Ill.

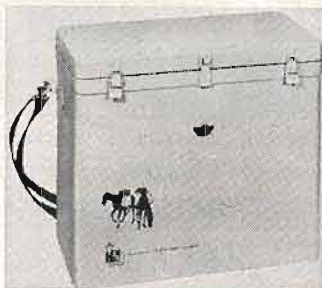
GUNSTOCK CATALOG in color issued by Reinhart Fajen, Inc., Warsaw, Mo. Shows complete line with nearly 200 pictures of latest rifle and shotgun stocks, semi-finished and custom made for domestic and foreign guns, along with stock-making tools, com-



ponent ideas, accessories, fitting instructions, and other valuable information. Fancy grades of walnut, maple, and myrtle wood shown in accurate, natural, full color. Available at \$1.00 postpaid from Reinhart Fajen, Inc.



.30 H.P. COMPETITION BULLET. 190 grain Matching Hollow Point, now perfected for long range match shooting. 30-caliber competition bullets part of distinguished line of 52 bullets in wide selection of calibers, weights, designs. The 190 gr. H. P. incorporates ballistic advantages of line's 180 and 200 gr. International. Complete information available from Sierra Bullets, Inc., 600 W. Whittier Blvd., Whittier, Calif.



NEW OUTFITTER'S RIG called Trail-Pac is all-aluminum pannier completely water and airtight. Duds and food stay clean and dry in any climate or place. Non-corrosive, completely seam welded to insure maximum strength and long life. Features air pressure equalization valves for adjusting to various altitudes. Holds 152 lbs. of gear in 2 3/4 cubic foot compartment. Fits any pack-horse. Approved orange-yellow hunting color. Priced at \$65.50 each or \$125.00 per pair. Details from TA Mfg. Corp., 4607 Alger St., Los Angeles 39, Cal.

THE Streamline

U.S. and Canadian Pat.
Complete job as shown
for Most guns \$25

Anti-recoil Gun Barrel

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

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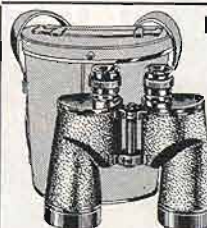
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- CUSTOM MADE
- THE BEST SINCE 1897

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P. O. BOX 5327
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BAUSCH & LOMB 7x50 NEW BINOCULARS

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\$125

REGULARLY \$295

U.S. Govt. Surplus. Standard size and weight, individual focusing, latest model. Extra wide field. Adjustable filter. Limited supply.

7x35 Bird Watcher Binocular. Centre focusing with leather case & strap... **\$12.95.**

8x30 Imported Centre focusing Binoculars with leather case & strap... **\$29.95.**

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SHOOTERS—COLLECTORS here's a top quality orig.
G.I. SNIPER SCOPE for spic. or military rifle. 2 1/2" X
coated optics, 5 1/2" eye relief post & cross-hairs, hydrogen
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For HIDDEN PROTECTION!

A deadly weapon! Compact, easily concealed, 4 1/2" long,
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Beautifully engineered by world-famous
W. German armorer. Short, .22 Cal.

Short, Long, Long Rifle. Amazingly accu-
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BRAND NEW, exact replica of original
Remington Derringer. Double Barrel.

BLUE STEEL \$17.95. DELUXE CHROME
FINISH \$22.95. Send \$5 deposit, Bal. C.O.D.

You must be 21 or over. Police use as second gun.

NATIONAL PRECISION SALES (Co., Dept.) D-19

606 MAIN ST., EAST ORANGE, N. J. (MONEY BACK GUARANTEE!)



(Continued from page 57)
ing the neck wound. He looked up at my
rifle. "You know, Spud, that rifle of yours
is fairly well under control. Given time, you
should do fairish brush shooting with it.
Next time, get up a bit closer to his car.
You lost about four inches of good stew
meat, sending him back on the neck that
way."

I said, "Go on, you damned old woods
fraud. You know that's a good shot." Al
Lyman began to chuckle. He sat down, back
to a huckleberry brush and began the ritual
of loading his ancient briar. I glanced at my
well looked in rifle. It was good to be
hunting.

Sometimes, in the stillness of the night,
with the storm winds keening around the
eaves of my cabin, long after the deer season
is past, I think about deer rifles, wonder why
such a small amount of their actual clean,
humane killing potential is used by the
average once-a-year hunter. I think, too, how
the recommended power of deer rifles have
been upped without a corresponding increase
in clean killing. Then, as the poets say, a
vision flashes on my inner eye, and I see
Al Lyman, his ancient Krag at the woods-
man's carry, the charred side of the stock
conspicuous in the half light of those dense
vine maple thickets. I can almost hear him
explaining the gunning virtues of "lookin'
in" a deer rifle. I wonder how many deer
rifles are actually uncased during the summer
—how many get any "lookin' in" at all.
That's what they need—more than they need
extra power, extra range, or even extra
accuracy.

Try it, and see.

THIS GUN HAS A GEAR SHIFT

(Continued from page 30)

The gun has the traditional high, bright
finish, and a beautiful blue job. Like all the
fine Smith & Wesson Magnums, it is a custom
job of gun building, carefully fitted, inspect-
ed, and finished. Stocks are the big S & W
target type as furnished on the .44 Magnum
and the .357 Combat Magnum. (Not liking
the big stocks for my short fingers, I prompt-
ly substituted regular Magnum S & W stocks.)
It is a real gun from every angle, and of tra-
ditional S & W Magnum quality.

In addition to the usual cleaning tools and
screw driver, the new .22 Magnum center fire
comes with six auxiliary steel cases that take
the standard .22 L.R. perfectly. You can in-
sert these cases into the chamber fully loaded
with .22 L.R., short, long, or even C.B. Caps.
Then flip up the rimfire striker and you
have a perfect .22 rim fire revolver of finest
target class.

This gun shoots the .22 L.R. beautifully
and almost to same point of impact as the
Remington high velocity center fire Jet car-
tridge. My groups seemed to center a trifle
higher at close range than the full powered
load, but not enough to require any change
in sight setting for small game shooting. I
found that you could open the cylinder and
simply flick the empty .22 L.R. cases out of
the chambers with the finger nail alone,
leaving the auxiliary cases in the chambers,
ready for reloading. I had a little pouch that
just held these six cases, so I carry them
loaded with Long Rifle hollow-point high
speeds, and it takes but a moment to dump
out the center fire loads, insert these six .22
auxiliary cartridges, pull back the firing pin
shift, and there you are—all set to kill a mess
of bull frogs, cottontails, or grouse with
cheap low powered ammunition.

This feature alone is bound to make the
new S & W Model 53 a very popular and
versatile gun. Smith & Wesson also furnish
an extra cylinder bored for the .22 L.R., in
case anyone wishes to convert the gun to a
fine target revolver on short notice. The new
cylinder is, of course, at extra cost.

With this gun and the six steel auxiliary
chambers one can get in all the cheap .22
rim fire practice he wishes, and yet be able
to switch it back to the powerful high speed
center fire load in a minute, by dumping out
the six auxiliary cartridges and flipping the
firing pin shift forward to center fire. All
told, this is one of the most versatile and in-
teresting sixgun developments that has been
produced during my lifetime.

Next, let us look at the new Remington
Jet .22 center fire round. It is made from the

Your guns deserve
RCBS Precisioneered
reloading equipment

Any gun worth powder
is worth RCBS
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RCBS "JR." PRESS

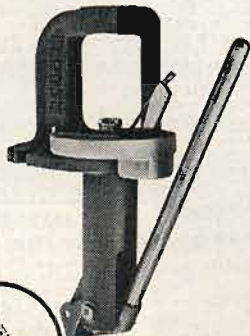
Price includes Removable Head-Type Shell Holder,
Primer Catcher, Universal Primer Arm, and New
Handle Position Control. Rugged Block "O" Frame
eliminates springing. Converts to up or down stroke
in minutes—no extras to buy. Standard 7/8"-14
thread fits all popular makes of dies. Ample lever-
age to handle all reloading and case forming. Primer
Arm has flat return spring to prevent
primer from jamming or clogging. **\$31.50**

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FOR JEEP AND TRUCK VEHICLES
"TRAILERS" for JEEP Vehicles

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San Angelo Die Casting & Mfg. Co.
P. O. BOX 984 SAN ANGELO, TEXAS

LIFETIME PISTOL CARTRIDGE DIES

USERS REPORT OVER 1,000,000 GUARANTEED FOR 200,000
LONG LIFE • NO SCRATCHING • NO GALLING
MANUFACTURED BY

Carbide Die & Mfg. Co.

CEMENTED CARBIDE CARBOLOY (TRADE MARK)

P. O. BOX 226 COVINA, CALIF.

.357 Magnum case, and is shaped much like a milk bottle. The shoulder has a very long taper; too long, to my way of thinking, because this throws all thrust back on the recoil plate. Both Remington and Smith & Wesson warn the shooter to clean the chambers free of all grease or oil by use of lighter fluid or gas before using the powerful Remington cartridge. The new cartridge throws a 40 grain, pointed, soft point bullet at 2460 feet velocity from an 8 $\frac{3}{8}$ " barrel.

I believe if the body of the case was extended forward another one fourth inch and given an abrupt shoulder, so that the parallel sides of the case was about one-fourth inch longer, that it would have been a far better shaped case and would then throw far less thrust on the recoil plate. Like the .348 Winchester, it has too much taper to properly lock the case walls in the chamber from the pressure of firing, and this can only result in more set-back on the recoil plate.

I received some of the first lot of experimental cartridges, and found extraction difficult for the first two gun-fulls of hulls. I had to tap the extractor rod with a soft pine block to loosen the cases in the chambers. After that, extraction was better; but with this lot of cartridges, extraction is sometimes easy and sometimes difficult enough that a blow with the palm of the hand is needed to knock the cases out of the cylinder. Accuracy was excellent from the start, and it is by far the flattest-shooting revolver load I have ever fired. It is so fast and so flat that it is very difficult for the shooter to see the strike of his bullet even out to considerable range, as the bullet seems to be there the instant the hammer falls; and though there is no recoil in any adverse sense, the gun does jump enough to obscure your vision of the target and the strike of the bullet. Once sighted in, there is no need for any hold up of front sight out to at least 125 yards and it seems to shoot to center hold at anything from 30 yards to 100 and beyond.

Muzzle blast is terrific, the worst I have ever endured from any sixgun. Shooting out a car window is absolutely painful to the left ear unless you use cotton or plugs. Standing alongside a car or building also throws the muzzle blast back in the ear nearest the car or building. Out in the open with gun fully extended, it does not bother me at all. Inside a big slaughter house, where I killed some eight head of beef cattle with it, the blast was disagreeable to all of us. It seemed much sharper to me and harder on the ears than the .44 Magnum.

Jack Nancolas, our local Government hunter, and I took the little S & W Magnum up the Pahsimeroi Valley and over into the Hat Creek country, and shot jack rabbits with it.

I shot eight jacks myself; did not keep track of how many Jack shot. Two of mine ran off and got away after receiving hits broadside through the lungs. Two more ran for 100 to 150 yards, then kicked up the dust. Four were shot through the body endways, as near center as I could hold, at from 30 to 60 yards. These stayed where they were but kicked around for a long time and had to be knocked in the head.

Like the first lot of Remington .222 I received, these .22 Jet bullets slipped through everything with very little expansion and did not seem to kill as well as a high speed .22 L.R. hollow point. The first lot of .22 Rim Fire Magnum I received from Winchester did the same thing; but the next lots of ammunition in .222 from Remington, and next lot of Rim Fire Magnum from Winchester, expanded beautifully and killed very well. I expect the same thing from the Remington Jets, once they have worked out the proper length and thickness of bullet jacket and the proper amount of lead exposure.

Certain it is that this first lot has far too stiff a jacket, or not enough lead exposed, or both. I shot one jack through the lungs as he

(Continued on page 62)

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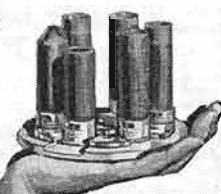


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stood up broadside at a little over 100 yards, using both hands and shooting in a stiff breeze. When the sights came on, I increased the pressure, and when the wind and my wiggle moved them off the big bunny, I simply held the pressure and endeavored to get the sights to bear on him again. I was lucky to get the shot off perfectly. I had just shot a rabbit through lengthwise at 50 yards a few seconds before, so turned my attention to him as I did not want him to get up. I asked Jack to watch the one I had shot at as he ran off. When I knocked the first one in the head with a stick and retrieved him, Jack remarked, "You got that long shot also, I saw him kick up dust over in that sage patch." We walked over there and found him down but not dead.

Rollin Westfall and I jumped a wild house cat while going fishing. He ran into some dense bushes, but I finally made him out and slipped him one of those 40 grain soft points. It went in the back just to one side of the spine, and out the center of the chest. The cat took off in high gear, with my yellow

BALLISTICS FOR .22 JET

Range (Yards)	Velocity	Energy	Mid-Range Trajectory
0	2460 fps.	535 ft. lbs.	—
50	2100 fps.	390 ft. lbs.	.2"
100	1780 fps.	280 ft. lbs.	1.0"
200	1280 fps.	150 ft. lbs.	5.7"
300	1020 fps.	90 ft. lbs.	18.0"

Labrador after him. The dog ran him into a bunch of willows, and over ran him. Before the dog could get turned around, the cat went up a tree. I shot the cat through the lungs back of the shoulders, and he still sat there, so I gave him a third shot through the shoulders that brought him out of the tree. Examination showed that all three of the tiny high speed slugs had gone right through with very little expansion. The exit holes were not larger than .44 or possibly .50 caliber.

Expansion tests by shooting into mud or paraffin or other non-living substances may give comparative results, but they do not prove what a bullet will do in living tissue. To test these Jets further, I next tried them on eight head of beef cattle at the local slaughter house, giving them brain shots in center of forehead. Examination of the skinned skulls showed the tiny bullets, when centered in line with the scapula, went on back into the spinal cord of the neck. When slightly off center after penetrating the brain, they stayed in the back of the skull. There is no doubt that this load has ample penetration. This experimental present Remington loading would do for brain shots even or a brown bear or grizzly. But it does not have proper expansion for small game.

Ted McCawley and Earl Larson of Remington say they have a new batch of ammunition on the way that will always extract freely and easily, but sad to say it is also


loaded with the same lot of bullets. I am going to save a box of this stuff for shooting treed lion and let Nancolas try them on his big cats next winter. They will also be useful for headshots on beef or any large animal. I have given Remington the dope on the performance of this ammunition, and they say it met all their expansion tests in inanimate medium such as gelatin, soap, etc. But there is no substitute for living flesh and blood and no inanimate mediums will ever give the same results. I know Remington will correct this fault with the ammunition, and I would then expect this gun and load to kill jacks, house cats, and bob cats, coyotes, similar game neatly with any well placed shot. The bullet must, however, blow up to make this little .22 caliber effective on such game. As soon as Remington gets expansion and blow-up like their .22 Hornet and .222, then this gun and load will take all such pests cleanly with one shot each.

I have tested bullets and ammunition on game for Remington for 40 years and they have always been quick to change a bullet jacket that was not right for the game intended.

As a further instance of what a soft point bullet will do on wood and game I give the following. I have fitted a great many .32-20, .38-40, and .44-40 soft point bullets into green lodgepole pine. In every instance, unless knots were hit, the bullet jacket did not rupture at all and only the soft point smeared back and mushroomed in front of the jacket. I have shot a good many deer with all three cartridges, and almost any body hit on a living mule deer, caused those same soft point bullets to expand beautifully, with at least half the jacket ruptured and furled back. In many cases, the jacket was spread out to its full diameter, like a hotcake. This shows the difference between striking green wood and living flesh and blood.

The retail price of the new cartridges is \$6.50 per box of 50.

Ted McCawley of Remington informs me that they have not shipped any of this Remington .22 Jet center fire magnum ammunition to the trade, and will not do so until the bullet jacket problem is licked and the ammunition performs perfectly on all small pests. The Remington engineers know the problem and are waiting the reports from men like myself who are testing it on game. When the final bullet jacket design gives the desired explosive effect on such pests, then they will load for commercial sale. Another experimental batch, is now being loaded, using a much more fragile bullet jacket. I will test this lot also on jackrabbits and similar game as soon as it arrives, and will then report in my columns in GUNS. Suffice to say, the prospective buyer of this fine S & W gun and Remington ammunition, can be assured by the time they are both on the market the ammunition problem will be licked and will expand properly on all such pests. The cases are solid head and heavy, and no doubt all tool makers will bring out dies for the new round.

So, gentlemen, here is your .22 center fire magnum gun and ammo. 

This is, so far as we know, the first and only report to date of the effect of the .22 Jet bullet on live game. Keith is now testing new lots of .22 Jet ammunition, will report on it in an early issue.—Editor.

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PULL!

(Continued from page 14)

Think publicity will help attendance at your club's shooting events? "Trap & Field" reports that two radio stations, one TV station, and a local newspaper helped plug a shoot at Ft. Dodge, Iowa, Gun Club on March 12. A total of 41 shooters from 23 cities entered, driving from 16 to 134 miles to attend. What's unusual about the turnout? There were 21 inches of snow on the ground! PULL! offers a 21-gun salute to the power of publicity.

Fall Creek Valley Conservation Club, Markleville, Indiana, announces that its traps will be open each Wednesday evening during the summer for practice and merchandise shooting, and that there will be instructors on hand to assist beginners. (Other gun clubs take note.)

United Sportsmen's Club, Jefferson City, Missouri, will hold a Ted McClung Memorial Shoot, September 9-10. PULL! salutes a great gesture from a great club to my former co-worker, Ted McClung.

Over in Michigan, the South Lyon Sportsman's Club announces that the club's trap field will be open to the public each Sunday at two P.M. The club is located on Pontiac Trail at Martindale Road, near Kent Lake. For another happy note, the club promises that all visitors will be made welcome by members of the South Lyon Target Busters Club. And perhaps even shown how to "bust" a target?

Northbrook Sports Club, Northbrook, Illinois, has a fine gimmick for shooting promotion that is worthy of attention from all trap and skeet clubs. Reasoning that country club members can make fine converts to the games of trap and skeet, especially during the winter months, Northbrook sent invitations to 18 area country clubs (Chicago north and west suburbs) to participate in a 50-target skeet event early this year. 102 shooters braved sub-zero weather for the event. Has your club tapped this excellent source for new shooting interest?

The 1961 NSSA World Championship of skeet moves from its 1960 site in Virginia to Reno, Nevada. Harold's Trapshooting Country Club will host the top event in skeet July 30 through August 5.

Another big skeet program for 1961 is the \$20,000 Pot-O-Gold Skeet-O-Rama, at the Golden Valley Gun Club, Pacoima, California, August 11-12-13. This 1961 event will permit the skeet gunner who fails to crack the big one at Reno another chance at glory and a pot of gold, one week later. Shooters have always wondered who would win if a big event was repeated one week later. Here's a chance to find out.

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SHORT SHOTGUN BARRELS

(Continued from page 19)

Barrels for the Ithaca M 37 and the Remington M 31 do not use such extensions and are ready for use as they come. The Stevens M 520, M 620, and the Remington M 10 barrels will have to have the magazine tube and action bar assemblies fitted to them before they are ready for use. This takes only a few minutes and the assemblies can be placed back on the original barrel if the need should arise. The barrels for the other models, if complete with extension, can be used simply by replacing the original barrel.

In order to verify what results can be expected from such a gun the author patterned a Remington M 10 with a standard 20" cylinder bore barrel and a Stevens M 620 with 20" barrel, which had been fitted with a Herter's Vari-Choke with Recoil Eliminator, giving it a total length of 23".

Because few people would attempt to use such an open bored gun at the 40 yard range patterning was also done at shorter ranges, but still using the 30" pattern circle. The results were surprising. True, at 40 yards the average of 29.7% of the pellets in a 30" circle tends to confirm the factory figures of 25-35%, but up to about 35 yards these short barrel guns can account for a lot of game. There were no open areas on any of the pattern sheets, but beyond 35 yards the pattern begins to open considerably.

The Stevens M 620, with the Herter Vari-Choke set at Cylinder, was patterned at 20 and 25 yards only. The average of its patterns at the respective distances confirmed the results obtained with the Remington M 10.

The pattern load used in both guns was a standard one of 3 dram equivalent with 1 1/4 ounce of No. 7 1/2 shot. The author has used this load on both quail and rabbit with good results, although some people prefer No. 6 shot for rabbits. Here in the Midwest, most of the bouncing bunnies are collected between 10 and 30 yards, ranges at which you can't beat the short-barreled shotguns for results.

The pattern results appear below:

SHOTGUNS	Average Per Cent Pellets In 30" Circle At Given Yardage				
	20 yds.	25 yds.	30 yds.	35 yds.	40 yds.
Remington M 10	85.6	71.2	66.1	54.2	29.7
Stevens M 620	83.3	69.3

By this time someone will be saying: "Sure, it seems reasonable enough in cost and pattern results, but won't I lose a lot of velocity from such a short barrel?"

Yes, you will lose some muzzle velocity, but this is compensated for by the added ease in swinging, allowing you to get on target faster. And the loss is not as much as you might think.

Wait, we're not finished. These short-barreled shotguns also make good slug guns. At forty yards, with only the regulation front bead, they do well enough to down any deer. A blade front and peep rear sight would be better yet, and a Weaver K1 will give you a deer gun deluxe.

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Write for free catalog of fine Savage, Stevens, Fox firearms. Savage Arms Corporation, Westfield 53, Mass. All prices subject to change. Slightly higher in Canada.

\$61.50



Savage model
340

ELMER KEITH SAYS

(Continued from page 8)

weighs but 5 pounds. Additional features are the hinged two-position fore-end of black Tenite, and the adjustable, black web carrying strap on the left of the stock. Retail price is \$39.88.

The new lever action Palomino Carbine, Model 402, is the same mechanically as Mossberg's Palomino rifle, the 400. But, in the carbine design, it weighs only 4½ pounds and is only 37¾" over all. Other notable points are custom hand checkering on pistol grip and fore-end, tubular magazine that holds 20 Short, 15 Long, and 13 Long Rifle cartridges. Stock is fitted with sling swivels and a barrel band at the fore-end. The 402, like its companion model, the 400 Palomino, retails at \$68.88.

Heavy .30 Caliber Spitzers

D. B. Hufnail, Town Line Road, Rutland, Vermont, makes a line of .30 caliber, heavy, flat base bullets in Spitzer form. These are very well and accurately made bullets, with tapered jackets to give expansion at most any range, yet heavy enough in the base to prevent blow-up. The heaviest is the 265 grain, and it has plenty of lead exposed to insure expansion, yet has a very thick, tapered, heavy jacket. We would expect a charge of around 45 to 47 grains of 4350 to be about the limit with this bullet, with a resultant velocity of around 2000 to 2100

feet. It will require deep seating and a long magazine, owing to its extreme length, but it should be a killer from all .30 calibers, particularly on the heavier game. The 220 grain Spitzers are made with heavy jackets and some with double jackets, of which I do not approve as double jackets never did work out well for me. For those owning the larger case .30 caliber, long-magazine rifles and wanting long heavy Spitzer bullets for extreme long range shooting of big game, these Hufnail Spitzers in 220 grain should work very well.

Shotgun Boring

V. M. Starr, of Eden, South Dakota, is the best man I know to rebores, rechoke, or polish shotgun barrels, or to fit them to any particular load. Many waterfowl shooters have had trouble getting good patterns with foreign made Magnum 10 and Magnum 12 bore guns, and I have referred a lot of them to Starr. He says I am slowly killing him off account having to pattern the big ten bores so much, but he gets results and gives his clients the kind of killing patterns they want. He must have the whole gun, and should also be sent a supply of the particular load you want to use. I have recommended him for this service for a great many years, and I have yet to hear one single gripe on his work. If you want more or less choke, less forcing cone, or a better polish so the barrels won't lead, V. M. Starr is the man for the job.

Primer Pocket Cleaners S.A. Springs

E. R. Cook, 1824 Neat Lane S.W., Albuquerque, New Mexico, can furnish hand-made coil springs for the bolt and trigger spring of the S.A. Colt. These springs are practically unbreakable. He also makes a small primer pocket cleaner that is really a small, square-ended hand drill. It is not only very good for cleaning the bottom of primer pockets, but it can also be used to deepen them to attain a perfect fit with primer below flush with the cartridge head. These primer pocket cleaners are made in small rifle and pistol and large rifle and pistol sizes, and do a very good job.

Cook also makes a fine rifle sight drift for driving front or rear rifle sights back and forth in sighting guns without damage to the sight. It has a steel body with soft copper end where it contacts the sights. These little tools and springs are hand made.

Santa Fe Ammunition

Santa Fe, a division of the Golden State Arms Co. of 386 West Green St., Pasadena, now offers new brass or loaded ammunition for some of their foreign military rifles in 7.5 Swiss or 6.5 mm Swedish, and also in .30-06. Unprimed brass runs around \$2.52 retail. They intend regularly furnishing many of these European military calibers. They plan also to furnish in the near future caliber .50-70 U.S. Govt., 7.62 mm Russian, .303 British, 6.5 Carcano, 7 mm, and .308 Nato.

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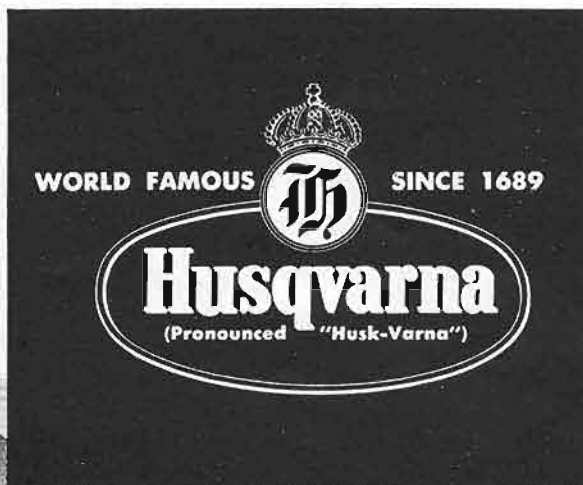
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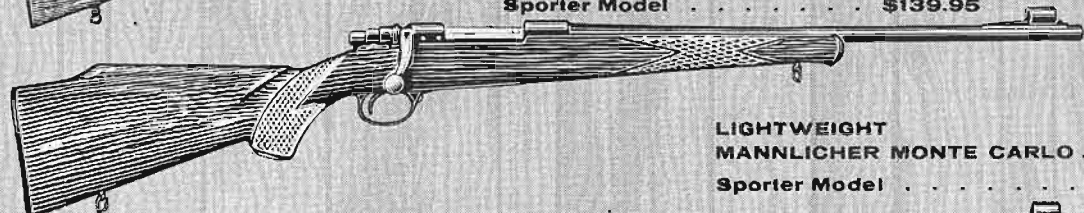
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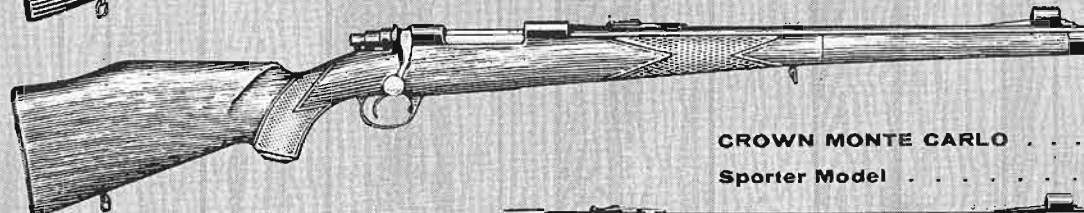


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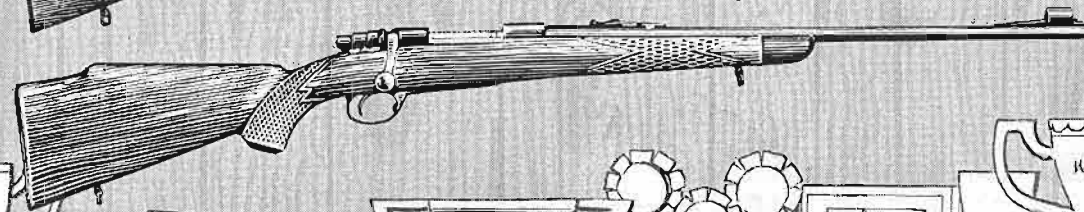
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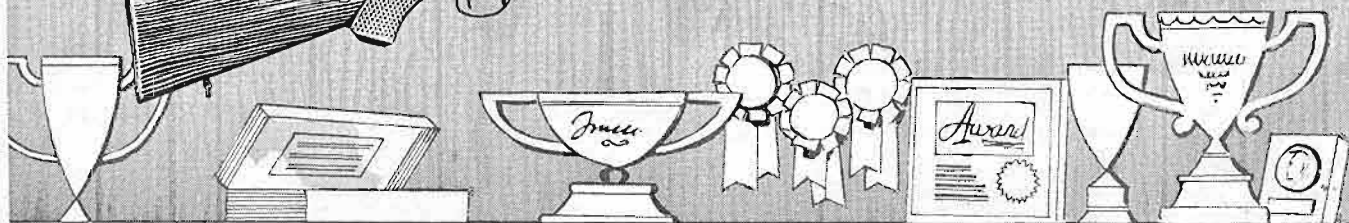
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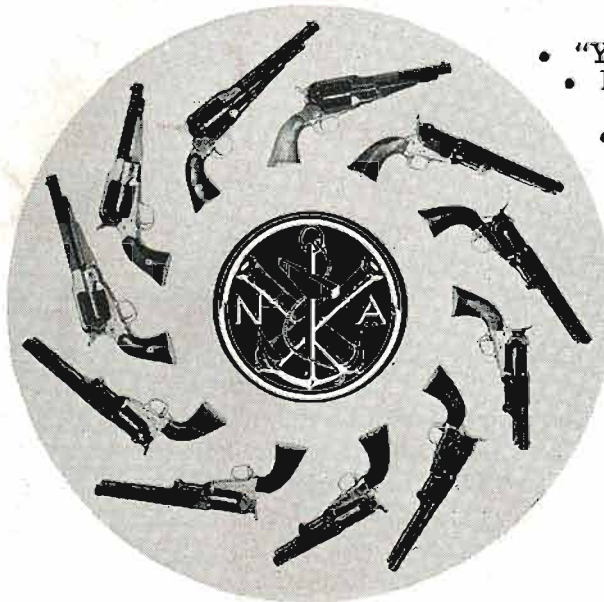
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