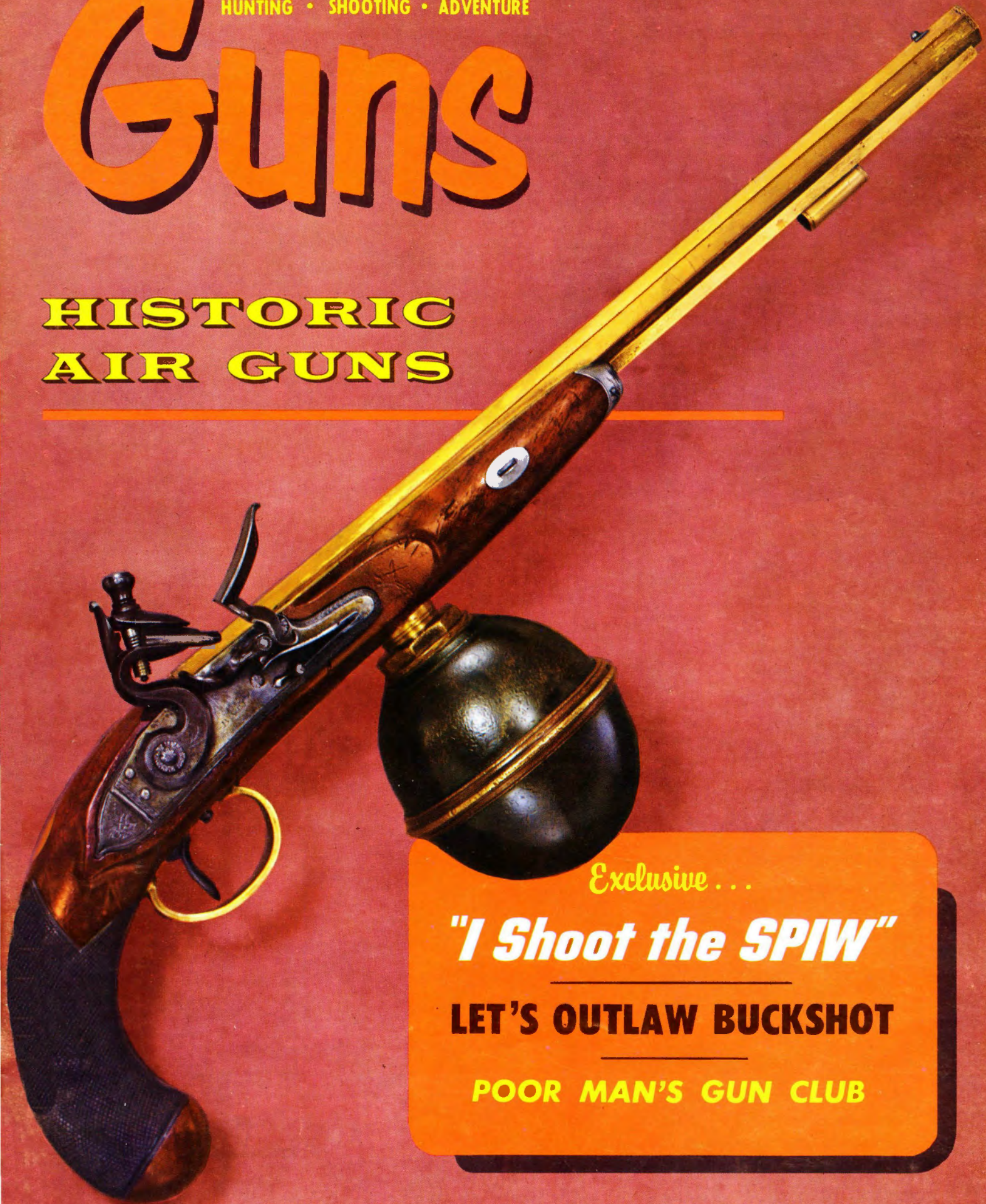


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# Guns

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---



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Savage 65

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The new Savage 65 is for smallbore shooters who like the feel of a big game rifle. You get a select walnut Monte Carlo stock with lines like a high power rifle, making it the best looking 22 in its class. And for accuracy, you get a free-floating barrel. The solid steel receiver, gracefully streamlined, houses a fast, smooth bolt action with crisp trigger pull. 5-shot magazine. The safety, under your thumb at the back of the receiver, is quick and easy to use. Lightweight, with fine balance, the Savage 65 is a lot of 22 for only \$39.50. (In 22 magnum, \$43.50.)

to 22 shots without reloading. Uses 22 long rifle, long and short cartridges. Only \$39.50. (The new Stevens 34 is built with the same action for those who prefer a 5-shot detachable clip, only \$35.50.)

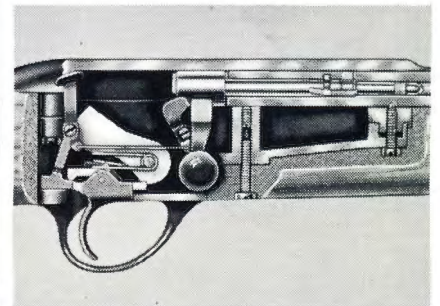
The new single-shot Stevens 73 is for beginners who want to get serious. If you've just decided you want to be a good shooter, the Stevens 73 is the place to begin. You get the accuracy of more expensive guns; a bolt that locks up in front like a big game rifle; and a barrel that's precision rifled. Not only is it accurate, but it's safe. There's no safer first gun. When the bolt is opened, the safety goes on automatically. Before you shoot, you must push off the safety. How much does it cost? Far less than you think, only \$21.95. (Youth's model 73-Y is shorter, lighter, priced the same.)



Stevens 46

Stevens 34

Stevens 73



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### Senator John G. Tower Texas



First, I must say that I wholeheartedly support the Second Amendment to our Constitution, guaranteeing that "... the right of the people to keep and bear arms shall not be infringed." This Amendment, like others in our Constitution, is clear and to the point.

I do favor, however, local and state statutes, and federal legislation, if necessary, to effectively prevent minors and felons from purchasing firearms, for rather obvious reasons. A rifle is not a toy, and parental consent and guidance in the purchase and handling of firearms could well be beneficial.

### Congressman Charles Longstreet Weltner 5th District, Georgia

I am aware of the fact that the Second Amendment guarantees to American citizens the right to keep and bear arms. However, in view of the tragic events of November 1963 and other similar incidents repeated daily throughout the United States, I feel that some means must be found to keep dangerous weapons out of the hands of irresponsible and emotionally disturbed individuals. It is very difficult for me to understand how such means would interfere with the rights and privileges of sportsmen or amateur marksmen.

### Congressman Richard L. Roudebush 6th District, Indiana

The interpretation of the Second Amendment to the Constitution of the United States is just as valid today, in my opinion, as when it was originally written.

I shall continue to support this section of the Constitution which permits American citizens to keep and bear firearms.



### Congressman Donald Rumsfeld 13th District, Illinois

I would say briefly, that I am in full accord with the Second Amendment to the Constitution and certainly intend to give close attention to any legislation that may be proposed to restrict the sale and ownership of firearms.



### Congressman James H. Quillen 1st District, Tennessee

I am in favor of keeping the Second Amendment to the Constitution of the United States as it is presently written.

It is my opinion that we cannot legislate the behaviour of any individual. In trying to do so, we should not legislate away our freedom and the means, sometimes the only means, of protecting ourselves and our families.

I feel that legislation aimed at the unlawful use, rather than mere possession, of firearms should be our goal.

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 Capital, name of capital city, name of State.



# Guns

FINEST IN THE FIREARMS FIELD

JUNE, 1965

Vol. XI, No. 6-126

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### THE COVER

This air pistol, made in London in about 1780, shows the fine workmanship that is found on many of these early guns. This pistol, and the other air guns described in the article by Jay Charles on page 22, are from the collection of Nick Gerage, owner of the Maverick Trading Post in Chicago. Cover photo, and photos used to illustrate the article, by Ed Dams, Chicago photographer.

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## CROSSFIRE

### Let's All Support This

On March 2nd, I introduced two bills in Congress to set a mandatory 25 year federal sentence for use or possession of a firearm during commission of a major crime. H.R. 5641 pertains solely to the District of Columbia, which has a serious crime problem. H.R. 5642 covers the nation as a whole. This legislation places the penalty rightfully where it belongs, on the criminal, without putting the burden of registration or ineffective licensing schemes on the law-abiding citizen.

Representative Bob Casey  
22nd District, Texas

*Every reader of GUNS Magazine should support these bills and Representative Casey by writing to their own representatives, and asking them to support this legislation. Every letter written will be a vote for guns and against criminals. This is the sort of thing we have been asking for, and if we do not support it now, we may never get another chance—Editor*

### Pats On The Back

A note to congratulate you on the restraint and good counsel contained in your editorial in the current issue of GUNS ("1965—A Year of Decision," March, 1965). It is a constructive and realistic position.

James Serven  
Tucson, Ariz.

I have been a reader of your magazine for years, and recently became a subscriber. All of you deserve a pat on the back for the good job you are doing fighting anti-gun laws; keep up the good work.

Just received the March issue of GUNS, and after reading "1965—A Year of Decision," I was relieved to know that someone is keeping us posted on all new gun laws, like the Dodd Bill, etc.

Elmer R. Raanes  
Pacifica, Calif.

### The World of Guns

First off I want to congratulate you and the rest of the group there on "The World of Guns," which I suspect is going to be used as a sort of bible by a heck of a lot of people tagged for radio and T.V. interviews on the firearms question! It serves a distinct service in that area, for sure.

Warren Page  
Shooting Editor  
Field & Stream

Just received my copy of "The World of Guns." You have done a fine job. It is certainly worth the price. Congratulations!

Henry D. Reib, Jr.  
Los Angeles, Calif.

I have just received a copy of "The World of Guns." What a wonderful book, and you are to be commended very highly. . . . The book will be a great incentive for action by the shooting profession of America.

Freeman K. Teague  
Portland, Oregon

*"The World of Guns," one of the most effective tools for fighting bad gun legislation, is fast become the recognized book for the true facts about guns and our people. Copies are still available, and I urge every pro-gun person to read this book and then pass it on to their legislator—Editor*

### Canadian Hunting

I wish, on behalf of the SATC and TCB, to express our thanks for the magnificent special section on Canadian Hunting, appearing in the March issue of GUNS.

K. M. Steiner, Director  
Southern Alberta Tourist Council

First of all, I would like to compliment you on the splendid job you have done with your March issue, portraying the wonderful hunting areas that Canada has to offer. This issue really stimulated our hunting party to get in on Canada's excellent trophy bagging.

Robert A. Lee, Jr.  
Huntington Sta., N.Y.

Your March magazine had more information in it about Canada than I have read in all the other magazines put together. My wife and I went to Canada to hunt two or three years ago, and we were at the wrong place at the wrong time.

Wade L. Johnson  
Twelve Mile, Indiana

### Stevan Richards

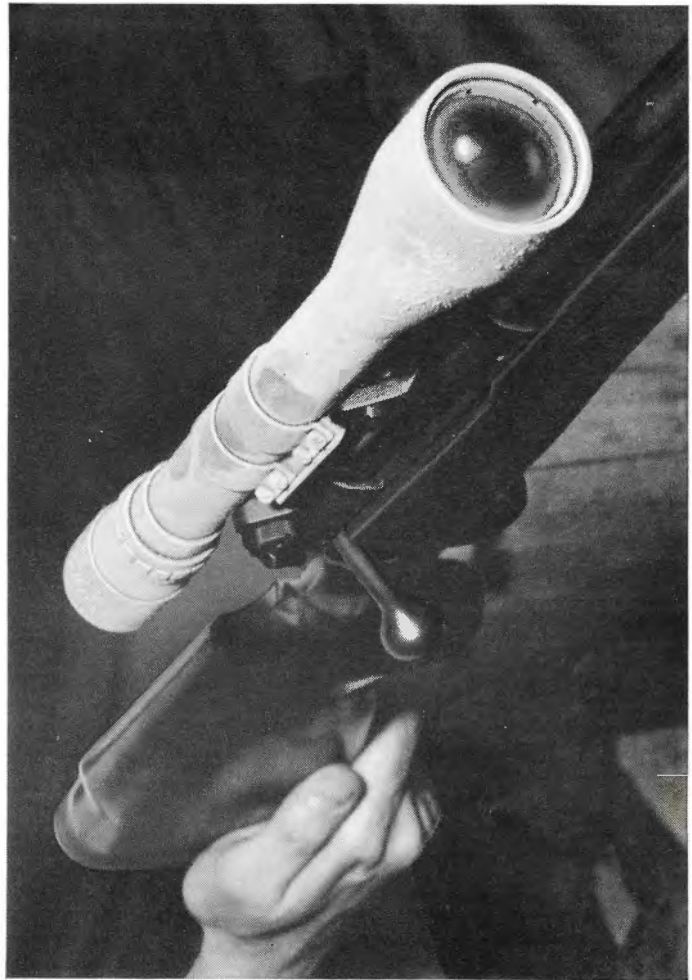
Just a short note to congratulate you on the fine article about Steve and his shooting career. Naturally, Mrs. Richards and I are prejudiced but we think it is one of the best we've seen. It is factual, colorful, and very well written. Our friends think so, too.

We do appreciate your interest in Steve and feel that it will help him become a better man and a more dedicated shooter. He has a lot to live up to now. Thanks again for your fine work.

Paul M. Richards  
Lt. Col., USAF  
Washington, D.C.



# Freeze IT! THEN USE IT!



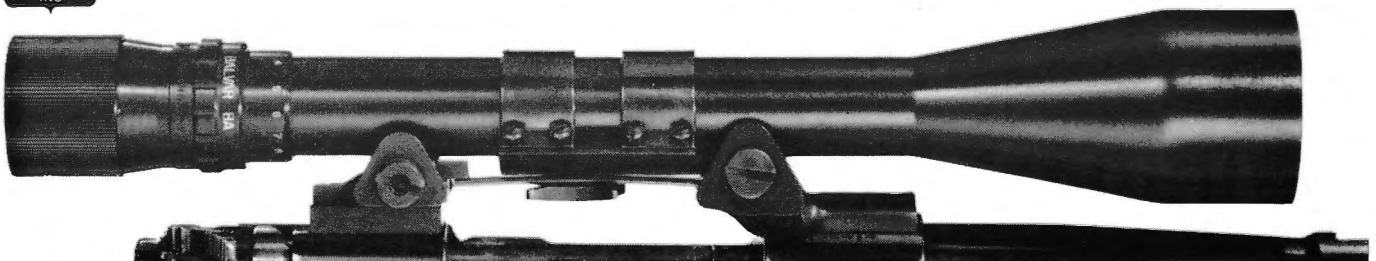
## SUPER TOUGHNESS AND B&L QUALITY AT \$49.95

Not that you would want to freeze one of these fine new scopes by packing it in dry ice, but we did. We subjected a new Balvar 8A scope to a seven-day deep freeze to be sure the new scope line would give you top performance under the roughest field conditions. Mounted on a Winchester Model 70 .375 Magnum at 40 degrees below zero, it checked out perfectly. We not only froze it . . . we baked it, soaked it, slammed it, scraped it and dropped it! It performed beautifully after all this torture. Here's the kind of scope you've wanted for years — a wonderful combination of the finest American-made instrument quality, and hard, tough design at new low prices! New alloys, new lubricants and new production methods have made it possible to give you scopes that stay in mint condition for a lifetime. New V-mount design always maintains zero, even under toughest recoil and allows you to switch your scope from rifle to rifle. You can't buy better optical or mechanical quality at any price. Your dealer can tell you why the shooting world is so excited about the new B&L scopes. There's a 2½X or 4X at \$49.95, 2½X to 5X at \$79.95, and a 2½ to 8X at \$99.95. For 85-page manual, "Facts About Telescopic Sights", send 25¢ to Bausch & Lomb Incorporated, Rochester, N. Y. 14602.

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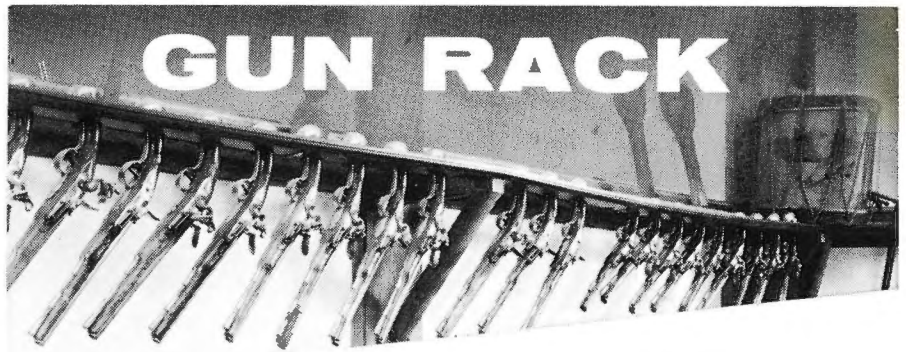
## Penny-pinching plinker with a punch!

Take along your DAISY CO<sub>2</sub>200 when you're fishing, or set up a range in your basement. This handsome handgun shoots inexpensive B•Bs at 400 feet per second. Gets its constant, controlled velocity from giant or standard Jett® CO<sub>2</sub> cylinders (more than 150 shots from the large size). Adjustable sights. A lot of gun and fun for any shooter. About \$18.50

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For more information, see your local dealer or write DAISY MANUFACTURING COMPANY, CO<sub>2</sub> Div., Box 665-W, Rogers, Ark. 72756.



### Eley Ammo

The hottest news on the smallbore firing line is the new ammo that is being produced by Eley and is being imported into the States by S. E. Laszlo, 25 Lafayette Street, Dept. G, Brooklyn 1, New York. The new ammo, called Tenex, was in R&D for quite some time since Eley specs called for a new powder, new materials, and an unprecedented degree of accuracy. All of these things have been accomplished, and the Tenex ammo is just the ticket for the serious smallbore target shooter. One of the outstanding features of the ammo is its consistent performance from shot to shot, from batch to batch. Production of the Tenex ammo called for a new powder which was developed by Nobel Scotland factories, and even the machines that assemble this super-accurate ammo were especially designed and made. That the ammo is superbly accurate is attested to by the fact that it was widely used at the recent Olympics. Our tests with our Remington M37 confirmed the reports from Eley and Laszlo, and our only complaint is that the ammo, though it improved our scores somewhat, does not carry a warranty against shooter's goofs—we pulled a couple of shots for which we cannot blame the Tenex ammo. Al Free-land of Rock Island, Ill., handles the ammo retail, will have it at Camp Perry.

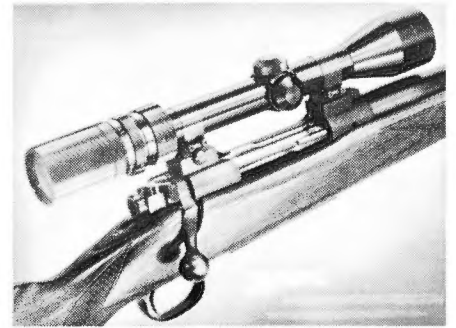
### Bushnell's New ScopeChief

The old Command Post on the old ScopeChief was a fascinating piece of equipment and, as far as we know, there were very few complaints about it. Now, there is a new Command Post, and that is not only in a new scope but also has a new means of changing from crosshair to post and back again. We saw the scope first in January, and since then have put one scope through a set of really rugged tests—seems like nothing short of a steam roller bothers that new ScopeChief II.

While the change in reticle in the old scope was of the mechanical type, the change is now accomplished magnetically. This has the advantage that the scope tube is less likely to admit air or moisture, and the new scope is not only fog proof, but also water proof as was demonstrated during our tests. Internally adjustable, the new ScopeChief maintained its zero and point of impact during several 10 shot strings where each shot was fired after changing the reticle from post to crosshairs or vice versa. In all strings,

with the exception of two called shots, the group size or location of the shots were not affected by changing reticle at any time while the string was being fired.

Also new is the built-in elevation factor that compensates for bullet drop. This makes it possible to leave maximum elevation movement in the scope, and this should help in sighting in. The scope, complete with magnetic crosshairs-pointer, is now available as 2½X, 4X, and 3X-9X variable. The variable scope will be available shortly, the others are now on the market.



In testing the 4X scope, it was first immersed in hot water and left there for 10 minutes—close examination revealed no water leakage. The scope, still hot from its bath, was then placed in the deep freeze, removed after 12 hours, and again there was no sign of leakage or fogging. The drop test, performed three times, included the usual 36 inch drop to a hardwood floor, and the finish test, after 10 strokes with a sharp hunting knife, did show a slight degree of wear—not enough however, to show the bare metal of the scope tube. None of these tests appeared to affect the new ScopeChief in any way, and the scope held its zero during all of the shooting tests. Optically, the definition and light gathering power of the scope were excellent, and no fault could be found with this new Bushnell offering.

### Dog Trainer

Buying a finished hunting dog is one thing, but the real fun lies in watching a dog that you trained yourself from the first day on. Heaving a training dummy by hand can get tiring, especially when there are a couple of enthusiastic pups to be worked and the older dogs want to share in the fun. We have been throwing dummies by hand, but for a real smart dog, a short throw is a cinch. If you



are training your own retriever and have a tendency to loaf on the dummy work because it calls for too much exercise, get a Retriever-R-Trainer. Made by Arthur M. Johnson, Inc., Dept. G., 1600 Grace Church Road, Silver Springs, Maryland, 20910, the Retriever-R-Trainer works on the same principle as the Targeteer can launcher that you have read about in these pages. A special dummy and complete instructions come with each Retriever-R-Trainer, and you can select short and long retrieves, depending on the types of .22 blanks used. You can vary your retrieving range from 25 to 100 yards, and since the dummy floats, it makes a fine aid in teaching your dog water retrieves. With a couple of dummies, you can work one or more dogs, and we found it invaluable in getting our own dogs into shape for the season and to work a couple of Labs for a hunting friend. Retriever-R-Trainer is not a toy, should not be used indoors, and has enough power so that it should be handled like a .38 Special—that is, don't point it at anyone.

### Broken Shell Extractor

It can happen to anyone—pull the trigger of your rifle, get the shot off, open the bolt, and there you are—the head has separated from the body of the case, and the rest of the case is stuck in the chamber of your gun. The E. C. Herkner Co., Box 5007G, Boise, Idaho, 83702, now offers a Broken Shell Extractor for \$3.50 that will get that ornery case out in a jiffy. Available in a wide range of calibers, the little tool is invaluable on a hunting trip, and since it is easy to use and takes up little space, it is a worthwhile addition to any shooting kit.

### Cat Hunts

Although we normally don't use this space for hunting information, this time we'll break a long-standing rule. Our old friend Steve Herrett, the man who makes handgun stocks, was so enthused about a recent mountain lion hunt that produced a near record mountain lion, that we decided to take a crack at one of those big cats as soon as we can get out there. Preston & Mayer, Route 1, Box 107G, DeLo, Idaho, will furnish everything, including sleeping bags, horses, dogs, chow, and with some luck a cat. Most of the hunters prefer to use a handgun since they are easier to handle in the rough terrain, and a few hours practice in the saddle will come in mighty handy. Seasons are long, the cats are there, so why not write to Preston & Mayer and see when they can take you?

### New Speer Varmint Bullet

Wally Titus recently shipped us some of the latest Speer bullets. Called the "Super-Varmint" and currently made only in 6 mm and in the 80 gr. weight, the new line of bullets features instant impact blow-up. Wally tells us that more of these Super-Varmint bullets are in the mill, not only in other calibers, but also in other weights. The small test batch we received shot extremely well in our custom .243 as well as in the M700 6 mm and preliminary tests in our 6 mm wildcat appear to indicate that these bullets give near-benchrest accuracy.

### NU V Food Bars

Whether you are going into back country or just bunny hunting, a candy bar in a pocket is a handy thing to have along. We have been using a new food bar that has several advantages over the candy bar. First of all, it apparently does not melt easily, it is fairly crush proof, and each bar contains 200 calories, and two of these bars will tide you over from a 6 AM breakfast to an 8 PM



dinner. The NU V Food Bars contain protein, fats, carbohydrates, nine vitamins, and four minerals. Unlike some other emergency rations which taste like dried shoe leather, these bars are tasty, and we ordered a whole case of them for our personal use—they'll be just the ticket to have in our panniers on our next hunt. Bars are made by Comidex Corp., Dept. G, New Canaan, Conn.

### Remington Zouave Replica

All black powder shooters are familiar with the replicas of the Remington Zouave rifle which appeared on the market some years ago. There is a new series of these rifles being imported today, being offered by

Gold Rush Guns, 1757 Stockton Street, San Francisco, Calif. Although the outward appearance of this new series is exactly the same as the earlier models, these have been proof tested with loads that dispel any doubt as to their inherent strength. Some of the early models, especially those imported when the price was dropped it seems, had trouble with the bolsters leaking or coming off entirely. A black powder craftsman here in the U.S. tells me that he has had a good many requests to re-braze bolsters on these guns.

The proof load on the early Zouaves was reportedly only 40 or so grains of black powder with one ounce of bird shot. The new series is proofed with the original Springfield Armory proof load as follows: 280 grains of black rifle powder and a 500 grain bullet, followed by another proof with 250 grains of black and a 500 grain bullet.

We fired repeated rounds with heavy, maximum, and even overloads, and our test gun showed no signs of weakening. I have no doubt that these guns will take almost anything you hand them. The accuracy of our test rifle was a pleasant surprise. With the 475 grain Minié bullet, we found that our optimum load was 64 grains of FFg, giving us 50 yard groups of 5¼ inches.

Gold Rush Gun Shop also offers the Zouave in a "Short Cavalry" model with a 22" barrel at the same \$66.50 price as the rifle. Completely finished, blued, and proofed barrels are also available (they'll fit a Mississippi rifle, too), priced at \$31.00, or in the white, without sights at \$25.00.

(Continued on Page 53)

## HUNTERS!

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# "TALL TALES"

about sights  
unseen . . . or . . .  
the one that  
got away!

Ferret  
.30



Ferret  
.256

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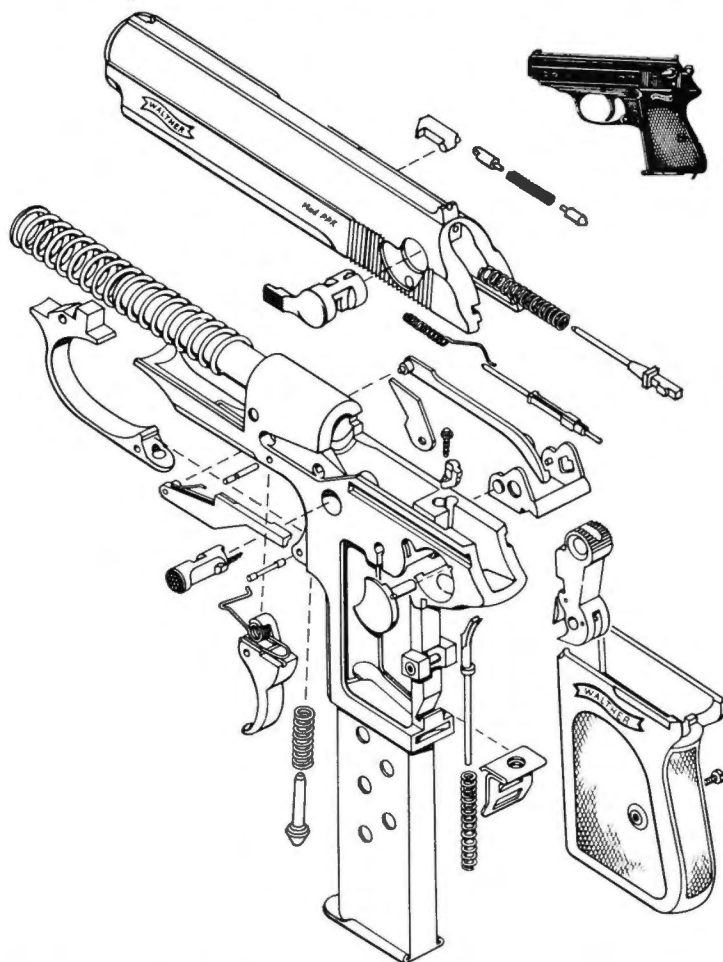
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Canada: 1410 W. 6th Ave., Vancouver, B. C.



# AN INSIDE LOOK

AT THE WALTHER PP AND PPK

By SHELLEY BRAVERMAN



**T**HE PP (Polizei Pistole) and PPK (Polizei Pistole Kriminal) series were designed about 1925 at Zella-Mehlis, Germany, and after early-model modifications, specifications were standardized circa 1938. After WW II, manufacture was shifted to France and marked MANURHIN (Manufacture de Machines du Haut-Rhin); a few years later, production was moved to the new Walther factory at Ulm, Germany. Tolerances have been maintained and parts although made at three different factories during a period of thirty years, are generally interchangeable.

Because of the inertia-type firing pin, guns in good order may be carried with the hammer down; pulling the trigger forces the hammer back until the release point is reached, allowing it to fall and fire the cartridge. Subsequent shots follow the conventional "automatic" cycle as the recoiling slide cocks the hammer.

The ejector is combined with a "hold-open" member and changes position for each last shot; this sometimes results in

ejection difficulties.

Four calibers are encountered: .32, .22, .380 and .25 (rare). Early models had the magazine catch in the butt and some differed in the hammer block design. Stainless steel barrels were furnished on special order, as were "Light-metal" models made of a duraluminum alloy. Also made were special "presentation" guns of a peculiar alloy, quite soft, heavily engraved—and for emergency use only! Some did not have the "loaded-indicator" as illustrated here on the center-fire PPK.

Accessories included "Night-Sights" (Leuchtkorn) which were fastened over the front sights, and a variety of sub-caliber barrel inserts for use of 4 mm ammunition. These are known as "Einsteckklauften" and are still made.

To Dismount: Remove magazine, empty chamber, cock hammer, pull trigger guard down and push to left (it will then catch on frame and remain open) —retract slide, lift up and ease forward.



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E45-343. 4-man boat with motor mount.....\$58.96  
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Shoots 2 1/2" H.V. or 3 1/2" Magnum shells. 32" full choked barrels. Double trigger. Auto ejectors. 49" overall. 9 1/2 lbs. Same features as above. **\$121.78**

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## Panel of Experts

*Because of the heavy influx of questions, it has become necessary to limit the number of questions submitted in one letter to two. Your questions must be submitted on separate sheets of paper, must carry full name and address, and your Shooters Club of America membership number. If you are not a member of the Shooters Club of America, send a dollar bill with each question. Questions lacking either number or money cannot be answered. If you want a personal answer, enclose a stamped, self-addressed envelope for each question.*

### Tokarev M40

I am planning to buy a Russian M40 Tokarev semi-auto. I would like any information you could send me on the strength and accuracy of this arm.

Fredrick Tincer  
Buffalo, New York

*The Russian M40 Tokarev is adequate in strength and accuracy for the purpose intended—a military rifle. It is not suitable for target work, nor for hunting.*

*The only reason that is valid for purchase is that you are a student of firearms design or a collector; otherwise it is suggested that you purchase something more suitable; contact a reliable local gunsmith and have a personal talk with him.—S.B.*

### P-38 Malfunction

I am writing about the curious behavior of a P-38 Walther automatic pistol. I bought this gun some time ago, it is in very good condition. According to reports from dealers, it was made in 1943 at the Mauser factory. While shooting Kynoch ammo, some of it faulty, after several misfires and extractions failures (definitely due to the old ammo) the top cover, the rear sight, the extractor, and its spring and plug, blew away from the gun on firing. Next time, after replacing the parts, some of them new, the extractor and its other components blew off. Again, the cover and other attached parts blew off a second time. The ammo we were firing was from the local army arsenal, the other officers were firing their Browning High Power P-35 which is the official sidearm of our army. They had

extraction failures, as did my own P-35 Browning. But there was no further trouble. The local Army headquarters had an excess of old 9 mm Kynoch Ammo and had given us a large lot for plinking and other unofficial target practice.

Do you think this is a defect on the particular gun or would all P-38's behave that way with faulty ammo? I am surprised this would be so since it was adopted by the German army after long tests. One failure like the ones above in the field would certainly place the arm out of action.

Dr. Leonidas Arguello  
El Salvador, Central America

*Without checking your P-38 and old Kynoch ammo I can't make a definite statement, but I believe the ammo is faulty. Some ammo over 15 years old, depending on the primers and lot number of the powder, should not be fired for practice and plinking. The commercial P-38 is an excellent pistol, but some war-time guns were sub-standard.—K.B.*

### Sears Roebuck Parts

I have a .22 rifle, Sears Roebuck Model 25. The magazine rod was stolen, and I can't seem to find another one anywhere. Could you tell me where I could get this part?

Robert Davis  
Los Angeles, Calif.

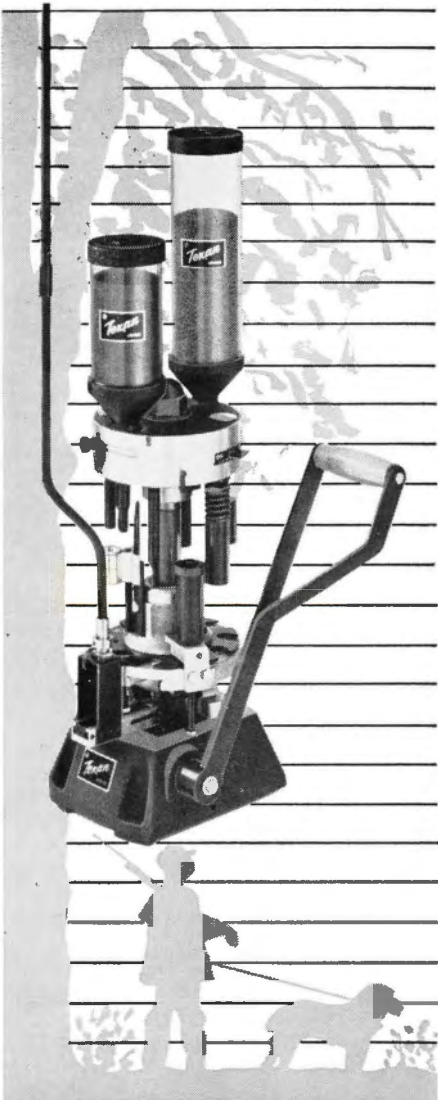
*For a replacement of the magazine rod on your Sears Roebuck gun, write to Sears Roebuck & Co., Gun Repair Dept., 925 S. Homan Ave., Chicago, Ill.—P.T.H.*

### Colt Curio

I have a Colt Single Action Army .45 with a 5½ inch barrel and Eagle grips. The serial number is 105061. On the right side of the frame, the word "Preece" is inscribed in script letters. Can you tell me the meaning of this?

Lawrence Huntington  
Liberty, Ind.

*Your single action Colt Revolver was shipped from the factory in the year 1884. I cannot tell you what the name Preece means. I would assume that such an inscription is on the original of the revolver. I can only suggest that you write to the Colt Company, Hartford, Connecticut, and inquire as to the original disposition of your*



# Texan

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ALL TEXAN RELOADERS LOAD PLASTICS AS EASILY AND FAST AS PAPER SHELLS... This Texan M II does it automatically.

The ultimate... There is no competition. A shell with every pull of the handle... automatic turret indexing... automatic powder and shot drops... self-aligning crimp starter for a perfect plastic crimp... rugged, heavy duty construction.

Performance extra-ordinary, value unquestioned.

\$199.50 with Automatic Primer Feed and 8 point Crimp Starter.

Available in 12, 16, 20, 28, or .410 gauge. Quick conversion to another gauge.

Write for catalog of complete Texan Reloader Line.

**ROTEX MANUFACTURING COMPANY**  
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piece. They will require a \$3.00 fee for telling you exactly when the arm left the factory and its specifications. They may or may not be able to tell you to whom the revolver was sent.—G.B.

### Colt Auto

I am interested in some information on the capabilities of my Colt .32 automatic to fire other rounds such as the 7.65 Mannlicher, 7.63 Tokarev or Mauser round. The Colt is in good condition. I would appreciate any information you could give me.

Steve Pennington  
Edmonds, Wash.

*The Colt .32 caliber Pocket Automatic is very definitely not suitable for conversion to any of the cartridges you list. The listed cartridges are considerably more powerful for the "blow back" design to handle, as well as being too long for the action and magazine.*

*There is a somewhat obscure 7.63 Mannlicher M1900 cartridge, somewhat less powerful, but this also would be too long for your action—and not particularly safe in your gun.*

*If you feel that your .32 is not powerful enough for your needs you might consider trading it against a Colt .380. See your local gunsmith.—S.B.*

### Target Bullets

I am reloading .38 Special ammo with 3.5 grains of 5066 and Speer 160 grain bullets, swaged SWC with copper cups. Is this a good load for target work? This load is to be used in a S&W revolver in excellent condition.

Dean Phillips  
Struthers, Ohio

*Speer's long jacketed 160 gr. bullet is most excellent for high velocity hunting and defense loads in a .38 Special or .357. It is a poor choice for target loads below the velocity of sound, some 1075 fps. The best and most accurate target bullet we have ever tested is Speer's .38 Hollow Base Wad-cutter, that is also less expensive than their jacketed type. Your dealer has these in bulk at still less cost than in boxes of 100, or he can obtain them. In lots of 500 or more they are as cheap as casting your own, and much better. Your 3.5 gr. charge of 5066 is good, or you may like 2.7 gr. Bulls-eye better. Even 3.0 grains hold fine accuracy to beyond normal target range.—K.B.*

### Sisk Bullets

I have been trying to obtain some of your designed Sisk-Bellah 37gr. HP revolver bullets for the 22 Jet. I picked up 100 last summer in a shop, but that's the limit. My Jet is the 4" model and I was using the Rem. bullet which may have been of the original lot and 11 gr. of 2400. Last spring I shot nine red foxes and with the exception of one head shot the rest had to be shot again in order to anchor them.

In the "Book of Pistols & Revolvers," you indicate very good expansion, with this

(Continued on page 62)

# H & R PRESENTS

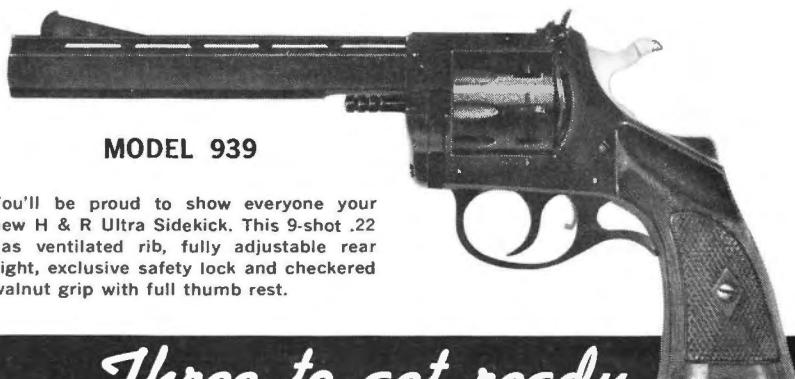
## One for the money



MODEL 949

You can't beat the H & R Forty-Niner at any price. You get authentic Western styling in a 9-shot .22 plus frontier style side ejection, quick-draw front sight and one-piece walnut grip.

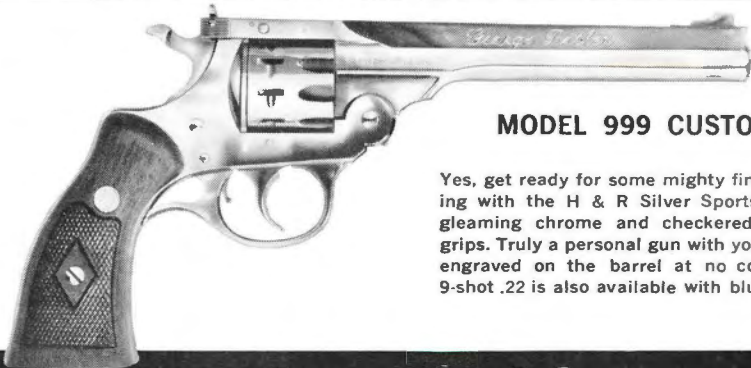
## Two for the show



MODEL 939

You'll be proud to show everyone your new H & R Ultra Sidekick. This 9-shot .22 has ventilated rib, fully adjustable rear sight, exclusive safety lock and checkered walnut grip with full thumb rest.

## Three to get ready



MODEL 999 CUSTOM

Yes, get ready for some mighty fine shooting with the H & R Silver Sportsman in gleaming chrome and checkered walnut grips. Truly a personal gun with your name engraved on the barrel at no cost. This 9-shot .22 is also available with blue finish.

## Four to GO!



MODEL 925

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# SUPPORT YOUR RIGHT TO OWN FIREARMS!

No group has been as vocally pro-gun as THE SHOOTERS CLUB OF AMERICA. We have published articles, mailed thousands of flyers, bulletins and brochures, appeared on radio and TV — all done to combat ill-advised, restrictive anti-gun activities. Now, as announced in recent issues of GUNS, we are fighting for a pro-gun law! The S.C.A. needs your support. Help yourself and your sport by joining THE SHOOTERS CLUB OF AMERICA today!

**YOU GET ALL THESE  
VALUABLE BENEFITS WITH  
YOUR MEMBERSHIP!**



- \* INFORMATION LIBRARY SERVICE
- \* NEW 1965 REDBOOK OF USED GUN VALUES
- \* SHOOTERS CLUB NEWSLETTER
- \* 20% DISCOUNT ON FIREARMS AND HUNTING BOOKS
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- \* CLOTH EMBLEM
- \* NUMBERED MEMBERSHIP CARD



# NEWS from the SHOOTERS CLUB OF AMERICA

The latest news from Washington indicates that President Johnson has thrown the full weight of his office behind yet another anti-gun bill by Sen. Dodd (D-Conn.) This new bill would amend the Federal Firearms Act and the National Firearms Act. Its provisions greatly prohibit the honest sportsman's ability to purchase guns.

At this time, it appears that the President's backing will enable Sen. Dodd's bill to pass with ease. This will of course, be a severe blow to the millions and millions of shooting sportsmen and at the same time have little effect upon the lawbreaker.

Briefly, the provisions of the new Dodd bill (which combines, and adds to all previous Dodd bills), are as follows:

- (1) Individuals will not be allowed to sell guns, even to fellow sportsmen. All gun sales will have to be made through a licensed firearms dealer.
- (2) The cost of a dealer license will be increased from \$1.00 to \$100.00.
- (3) Dealers will be allowed to sell firearms only in the state where they hold a license.
- (4) A dealer license can be denied merely on suspicion of wrong-doing.
- (5) No person under the age of 18 will be allowed to purchase any firearm.
- (6) The bill provides for a virtual prohibition of imports -- particularly of military arms.

It takes little imagination to understand how these provisions will cripple the freedom of American gun sportsmen to enjoy their sports. It is a terribly hollow victory for the S.C.A., but this latest outrage proves once again that the S.C.A. is the only sportsman's organization foresighted and outspoken enough to anticipate such crippling legislation.

The S.C.A. has always placed the subject of firearms legislation first and foremost on its agenda. We have long felt that anti-gun legislation threats were serious, not mere vote-gathering gimmicks for individual legislators.

Even today, with the holder of the highest office in the land allied with our opposition, we will not cease our efforts.

Despite the severe blow which it seems we are all about to absorb, we can come back and win; but it can not be done unless the S.C.A. receives the full support of individual shooting sportsmen throughout the nation. We need your help desperately, and we hope that the President's position on firearms legislation will galvanize shooting sportsmen who have not previously felt the full weight of the threat hanging over our heads.

In order to continue to have fun with guns, we must first preserve the right to own and use guns. The S.C.A. is the only organization which has been outspoken enough to fight for this right without reservation. Now it is your turn -- help us to help you by joining THE SHOOTERS CLUB OF AMERICA. If you are already a member, let your friends and shooting companions in on the facts of life. We all must stand together!

## CLIP COUPON BELOW AND MAIL TODAY!

The Shooters Club of America SCA-G-6  
8150 N. Central Park Avenue, Skokie, Illinois

YES! I want to help guarantee my constitutional right to own and enjoy firearms. Payment of \$3.00 for a one year membership enclosed.

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chrome-plated outside • mirror-smooth inside • first quality steel



Lyman P-A die shown in cutaway.

## All-new All-American dies: out-and-out quality at sensible prices

These shining-new dies by Lyman reflect a new dimension in inside-out workmanship and precision to give you mirror-smooth interior finish, for a lifetime of easy-chambering cartridges; chrome-plating all around the outside for permanent protection from rust and corrosion. All-steel hex-nuts for stay-set adjustments, complete with wrenches, are standard equipment throughout.

**DELUXE TWO-DIE RIFLE SET** — shown above — for bottleneck rifle cartridges using jacketed bullets. Features the new Lyman P-A (precision alignment) die for bullet seating and crimping, as well as full-length resizing, decapping and expanding die. The most advanced die set of its kind . . . all for only \$13.50.

**STANDARD TWO-DIE RIFLE SET** for bottleneck rifle cartridges using jacketed bullets. Features: full-length resizing, decapping, and expanding die • bullet seating and crimping die. \$11.50.

**LYMAN T-C** (tungsten carbide) **PISTOL DIE** — shown below — for decapping and sizing. Inserts are made of tungsten carbide, the hardest metal known to man. Result: Here's a die that turns out 200,000 rounds without a sign of wear. Even dirty cartridge cases get a burnished, factory-new look when sized with the T-C die. With polished tungsten carbide, reloaders get 75% less friction than steel — no lubrication needed . . . there's an all-new ease to reloading. \$12.95.

**STANDARD THREE-DIE RIFLE SET** for straight-taper cartridges and all others using cast bullets: full-length resizing and decapping die, 2-step neck expanding die, bullet seating and crimping die. Your perfect combination for consistent case neck tension, unmarred lead bullets. \$13.50.

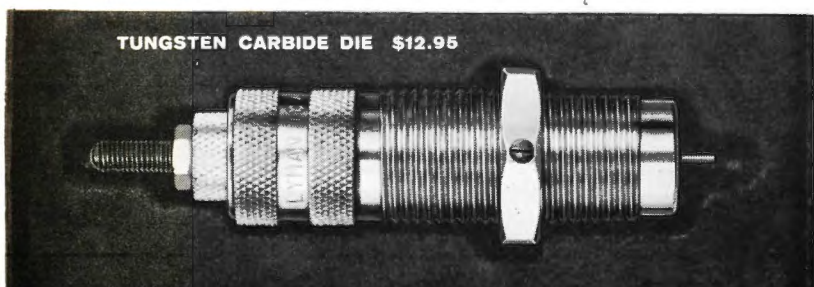
**STANDARD THREE-DIE PISTOL SET** for all pistol calibers and bullet types: full-length resizing and decapping die, 2-step neck expanding die, bullet seating and crimping die. \$13.50.

**LYMAN P-A** (precision alignment) **RIFLE DIE** for seating bottleneck rifle cartridges. Uniquely designed for maximum alignment . . . cartridge neck and bullet immediately centered by sliding inner sleeve. Adjustable to crimp bullet. Lyman P-A dies are available for all bottleneck rifle cartridges. \$6.50.

**DELUXE THREE-DIE PISTOL SET**, now the finest set in the reloading field is teamed with the most advanced full-length resizing and decapping die in the world — the T-C (tungsten carbide) die, combine the best of both: the complete set is yours for only \$21.00.

Look to  **Lyman** for the finest

In Canada it's Lyman-Prencio, Ltd., 72 Stafford St., Toronto, Ontario



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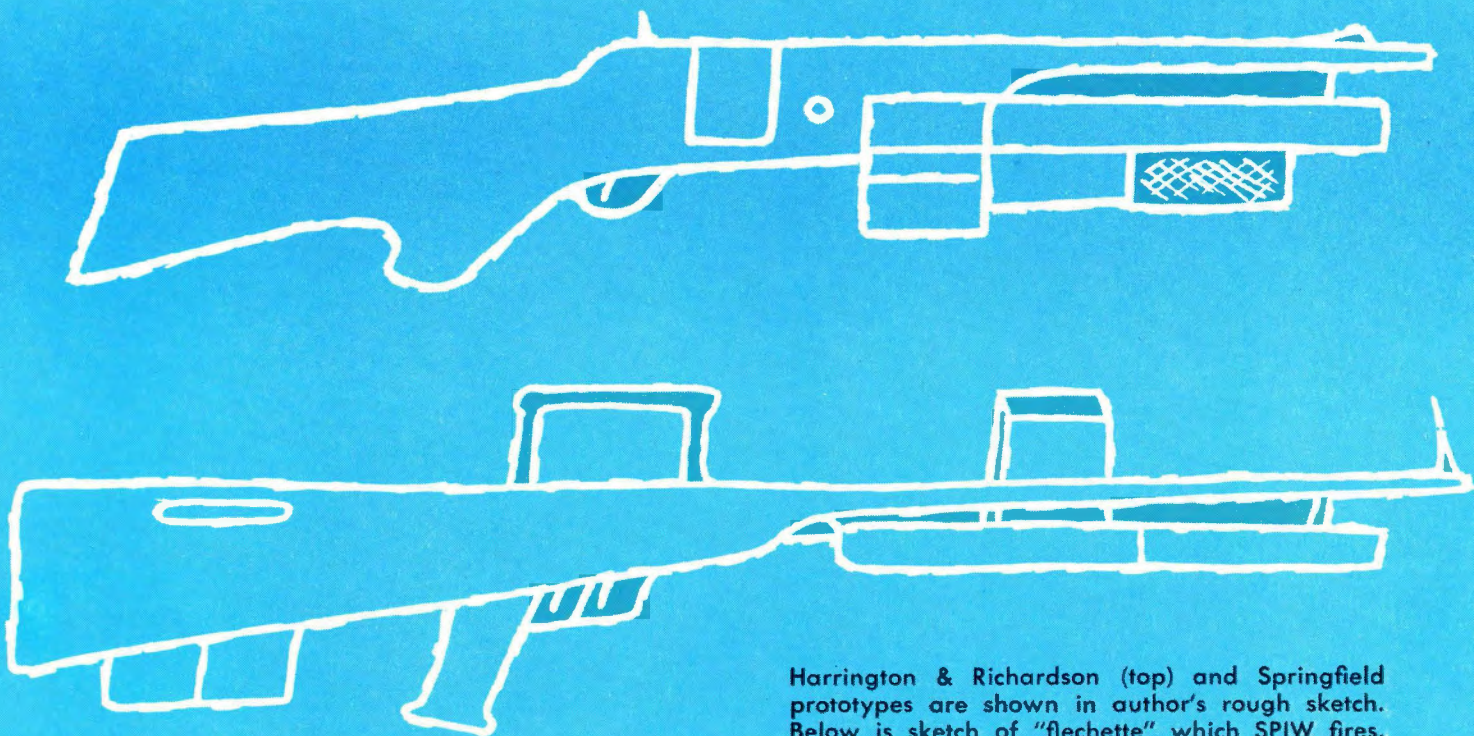
- Please send me the new Lyman catalog featuring all-new All-American reloading dies
- Please send me your new literature on the Lyman T-C die
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Harrington & Richardson (top) and Springfield prototypes are shown in author's rough sketch. Below is sketch of "flechette" which SPIW fires.



# "I SHOOT THE MYSTERIOUS

---



## HERE, FOR THE FIRST TIME, ARE THE RESULTS OF THE FIRST SHOOTING TESTS OF THE ARMY'S SECRET WEAPON

FOR OVER A YEAR, gun enthusiasts have tried to get the facts about the SPIW (Special Purpose Individual Weapon). It first created a stir in the gun world when word got out that the Infantry Board was testing four prototypes of a mysterious dart rifle at Ft. Benning, Georgia, last spring. Since that time, nearly every publication in America has at least mentioned the SPIW, and a few have guessed at what it might be like. Here, at last, are the known facts about the SPIW.

The Army wanted a new rifle. It had to be light and dependable, and a rifle that fired darts instead of bullets, someone decided, would fill their needs perfectly. The call went out to the major arms manufacturers of nation: Build a rifle that would fire a .06 caliber dart from a .223 caliber barrel; singly, in bursts of three, and fully automatically, from a sixty round magazine. In addition, the rifle had to be capable of firing the existing M-9 grenade from a three shot launcher which was to be located below the rifle barrel. Finally, the rifle must be light—even with a full combat load.

By February of 1964, four companies had prototypes ready for testing: Aircraft Armament Industries; Winchester; Harrington and Richardson, and the Springfield Armory. By March, men had been supplied by the 197th Infantry to fire the weapons and the Infantry Board began putting the proto-

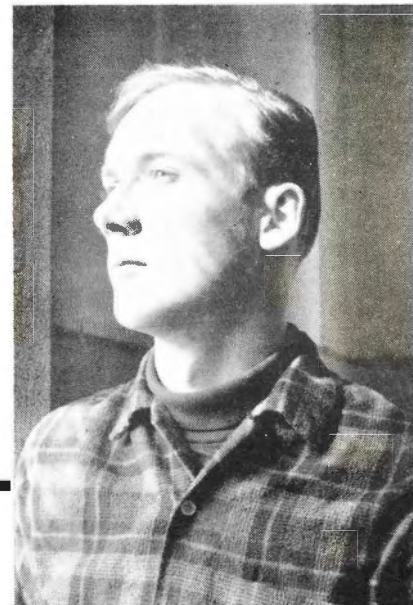
types through every imaginable test of accuracy, efficiency, and endurance.

The darts or "flechettes" fired by the rifles were about the size of a finishing nail, and were encased in a plastic "sabot." This "sabot" guided the dart inside the barrel, but when it left the muzzle, it disintegrated, leaving the finned dart without its plastic cover. The darts had been aerodynamically designed, and reminded me of a two-stage rocket. In order to keep the combat weight as low as possible, the shells were made of very thin brass. The complete cartridge was light, strong, and compact.

With the exception of one which was operated by the recoil of the primer, all of the prototypes used blowback actions. The result of this combination of cartridge and action was a rate of fire of nearly 2,500 rounds per minute, and it was soon discovered that it was impossible to fire less than a full magazine in a single burst. The technicians from the various companies altered their sample rifles in order to slow the rate down to about 800 rounds per minute.

The three shot "counter" was one of the most interesting things about the SPIW. Each rifle had a small disc in the mechanism which "counted" the shots as they were fired. When the selector was set on "three shot burst," for example, the counter controlled the fire so (Continued on page 45)

# SPIW"



By THOMAS H. TIPTON



# GUN OWNERSHIP STANDS

By E. B. MANN

TOO OFTEN, guns take a clobbering in print. Too often, newspaper and magazine editors seem to be dealing from a stacked deck on gun subjects—from editorial policies stacked against guns either by old-maidish fears or by the even less admirable desire for sensationalism, for the “scare headlines” that will sell newspapers or magazines.

Why do men write, and magazines publish, such articles? Why do newspapers permit the “damn the gun” slant that appears in so many of their stories and columns? Why do radio and television spokesmen condemn gun ownership over the very media most frequently condemned as purveyors of violence in featured programs reeking with the very misuse of guns which they so much deplore?

We have already suggested two reasons why they do it. It is only fair to admit a third—that these men, or some of them, are sincere in their apparent belief that the gun and the shooting sports are bad for America. But to be sincere in that belief, they would have to be uninformed, or misinformed; and how is that possible when the facts are so easily available? “Get the facts, and get 'em right!” has

always been the cardinal rule of all good reporting; yet top-paid reporters, in print and on the air, spout propagandized untruths which could not possibly have survived the simplest, most obvious inquiry.

We know the facts are easily available, because we have done more than most to make them available! This magazine has devoted more pages than any other, not just since November, 1963, but since our birth in January, 1955, to direct, factual analysis of firearms problems with relation to crime, with relation to public safety, and in relation to legislation. Our “Know Your Lawmakers” department alone (begun in June, 1959) has been called “the most useful tool yet offered for use against federal anti-gun legislation, because it tells us who our friends are (and are not) in the Congress.”

SHOOTING INDUSTRY, the only trade magazine published for the firearms industry, published also by us and distributed to firearms dealers across the nation, has carried, in every issue since its birth (in January, 1963), at least four columns of facts on firearms legislation specifically designed to inform dealers how to discuss and how to act on firearms

Are Controls More Dangerous than the Peril to Safety?

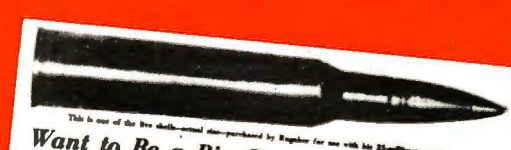


## Furor Over Firearms

Proposed Mail Order Controls

### Solon Rips Gun Lobby

Against 100-year-old National Rifle Assn. ...



Want to Be a Big Gun? Buy a Cannon!

### Writer Buys a Gun; So Can You!

Point to Merit, You Name It ...



### Are You Gun Shy? ... Read This and Be Happy

By Bob Schindler ...

### CHICAGO SUN-TIMES

Restrict Gun Sales ...

## Detroit Free Press

You Name the Weapon—It's Available in Detroit  
Be a Big Shot with Your Own Artillery

ANTHONY CAN BUY A ...



# ACCUSED!

EVERY NEWS MEDIA MALIGNS GUNS AND  
GUN OWNERS; BUT WE DO HAVE FRIENDS

legislative problems. A Midwest dealer writes: "Your 'Guns And The Law' column provides the best up-to-the-minute information and advice I have found anywhere on how to meet anti-gun propaganda."

Last year, we published *THE WORLD OF GUNS*, the first and only compilation of facts and figures on the magnitude, the importance, and the massive contributions of the firearms industry and the shooting sports to the economic growth of this nation, in war and in peace, past and present. At our own expense, we gave free book-bound copies of *THE WORLD OF GUNS* to every member of both houses of the national Congress, to every state Governor, and to many leading legal and law enforcement figures. Manufacturers have purchased thousands of copies for distribution to state legislators and others. A competitor in the firearms publishing field says, "This is the finest single pro-gun document ever published. My only regret is that we didn't do it."

Shooters Club of America, sponsored by this magazine, has rallied thousands of shooters and gun owners *out* of the do-nothing category into active combat status in the war against anti-gun legislation.

That our efforts are effective, sometimes in unexpected ways, is indicated by the following from the "Congressional Record" of Monday, February 1, 1965. The speaker is the Honorable Robert L. Sikes, of Florida:

"Mr. Speaker, there is continuing agitation for the enactment of firearms legislation to restrict the constitutional rights of the American citizen to own and use firearms. A number of such bills have been proposed. It is very important that Congress consider carefully any proposals which are advanced to change the time-honored right of U. S. citizens to own firearms.

"I confess concern about the easy access to weapons of criminals and unsupervised juveniles who should not have such access, and some restrictive action may be necessary. But before we take such action, let us be sure that it does not accomplish more harm than good. The fact is, the registration of guns or restrictions on ownership will not discourage the criminal. More likely, it will only discourage ownership of firearms for the protection of responsible citizens. We do not want to burn the barn to get rid of the rats. Therefore, all bills proposed must be carefully examined and none passed in an atmosphere of emotionally inspired haste.

"This subject has been treated fully and capably in *GUNS Magazine* in the March 1965 edition by its editor, Mr. E. B. Mann. Under permission granted, I include

it for the information of my colleagues:

(Quoted in full, "A Year of Decision," by E. B. Mann, as printed in *GUNS Magazine*, March, 1965)

We've been told often that preaching pro-gun doctrine in a gun magazine was like quoting scripture at a Baptist prayer meeting: "Everybody who reads your magazine is already a believer." A man who has studied this problem more extensively than most recently contradicted this statement. He said, "We talk about the millions of shooters, the millions of gun owners; but most of them are do-nothings. Every time you can jar one of the do-nothings into active interest, you've done a lot! And you're doing it. This is apparent from the increasing numbers of letters to legislators which quote your arguments."

Fortunately for us, many of those who are not keenly interested, personally, in guns or in the shooting sports can sense the bias, the lack of logic, in much of the anti-gun propaganda, and are repelled by it. And we should not forget that by no means all of what is published in non-gun media is anti-gun.

One of the voices in print that speak for us is that of Scripps-Howard syndicated columnist Richard Starnes. The following is from one of his columns, read by millions:

"Gun prohibition shares every shortcoming that liquor prohibition revealed. It deprives and punishes the many for the excesses of the few, and it doesn't do the things it proposes to do. There is no more rigid gun law in the nation than New York's Sullivan Act, and in 50 years all it has accomplished is to assure the armed hoodlum that his victim will be unarmed.

"(The anti-gun crusaders) shamelessly exploited the assassination of President Kennedy. Senator Dodd used it to try to stampede Congress into adopting a bill that would have given every local police jurisdiction a virtual veto on the purchase by mail of sporting firearms . . . No one would object to laws that would keep guns out of the hands of criminals, but no such law has yet been devised."

Another strong voice frequently lifted for us is that of Robert Ruark, nationally syndicated columnist and magazine writer. Two paragraphs from a Ruark article in "True Magazine" are typical of Ruark's ability to reduce anti-gun-isms to absurdity:

"A dedicated, bubble-headed echelon of gun-haters have been proposing all sorts of wild legislation against weaponry for more than a (Continued on page 58)

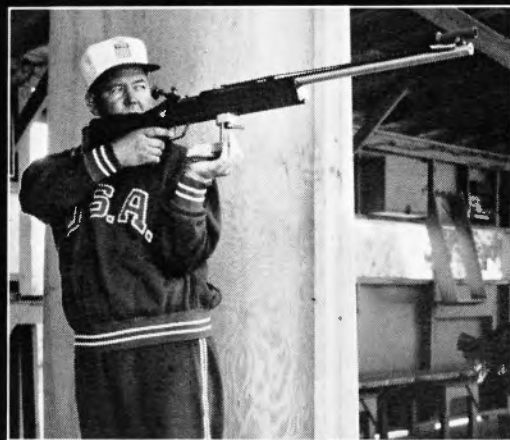




Above: Winners of 3 position small bore match, left to right: Hristov (2nd); Wigger (1st); Hammerl (3rd). Left: Wigger wins Silver Medal for small bore, prone.



The tenseness of the actual competition can be felt in these photos of Lones Wigger (left) and T. G. Pool (right) as they fire for score in small bore 3 position, where Wigger won Gold Medal and Pool came in sixth.



American free rifle shooters, shown here during their training practice. Sgt. Martin Gunnarsson, shown in two photos at left, placed third, while Gary Anderson, in photo at right, won the Gold Medal in this event.



# BEHIND THE OLYMPIC SCENES

By BETTY SUMMERALL DUNCAN

WE WERE NOT SUPPOSED to win, you know. Not since 1924 had the United States won an Olympic medal—any medal—for position shooting. Now, 40 years later, Lones W. Wigger, Jr., has been acclaimed the greatest rifleman in the world with small-bore rifle and Gary L. Anderson achieved universal supremacy with the free rifle. It was a grand sweep as the only two 3 position events netted two gold medals for the U.S. at the XVIII Olympiad!

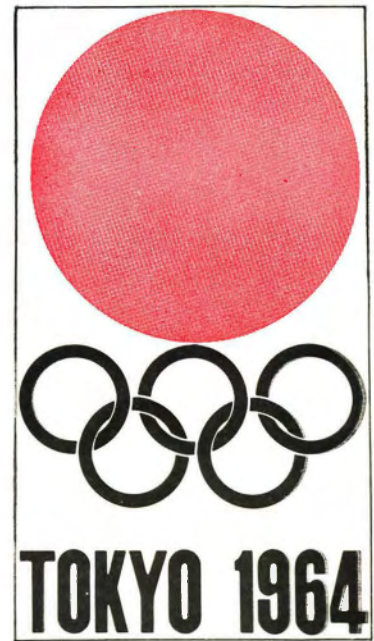
In their effort to make the 1964 Olympic Games the most outstanding of all, the Japanese went all out. Shooters were besieged for autographs wherever they went; they were provided with a police escort from Olympic Village to the beautiful Asaka ranges; cheese cloth screens were constructed the length of each range, at staggered firing points, to deflect wind currents.

Such was the atmosphere which stimulated a deluge of World Records, Olympic Records, and an almost fantastic new scale of accuracy. From the three rifle events (Free Rifle at 300 meters; Smallbore Rifle at 50 meters, 3 X 40 shots; and Smallbore Rifle—50 meters, 60 shots prone) our jackpot total was two gold, a silver, and two bronze medals. Allowed only two shooters in each event, this adds up to five medals won out of a possible six. For the first time, a U.S. Olympic Shooting Team was fortified with sufficient depth.

When Gary Anderson and Martin Gunnarsson reported to the 300 meter firing line on October 15th for the opening Olympic shooting event, wind gusts were challenging. It cost Anderson eight points during his initial 10 shot string in the kneeling position to figure out what the wind was doing to his bullets. Once he established his cadence, he was on his way and there was no stopping him.

Gary Anderson, winner of the first U.S. gold shooting medal in the 1964 Olympic Games with a new World Record score of 1153 X 1200 in this 3 position Free Rifle competition, banked heavily on the standing position. It was his strategy to telescope a strong lead here into a winning aggregate score. His 377 off hand exceeded Hollenstein's World mark by one point and eleven points over Russian silver medalist Shota Kveliashvili. Further substantiating Anderson's theory of building up an advantage in the most difficult position, the other positions being secondary, was his final nine point lead over his Russian adversary.

Anderson is convinced that the most effective preparation for 300 meter free rifle shooting (Continued on page 42)



## SOME BACKGROUND ON THE GREAT OLYMPIC WINS BY THE UNITED STATES RIFLEMEN



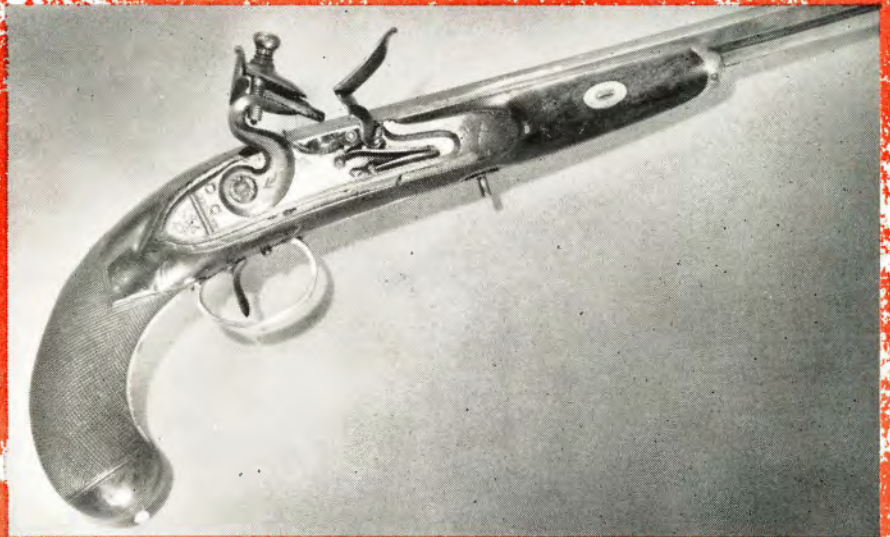
Winners of the free rifle competition. Left to right: Shota Kveliashvili (2nd); Gary Anderson (1st), and Martin Gunnarsson, who placed 3rd.



# Historic Air



By JAY CHARLES

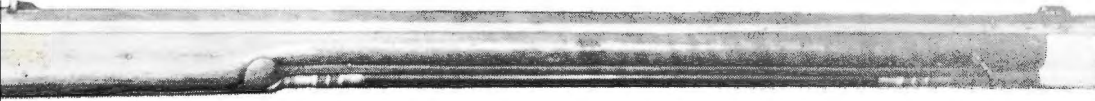


Underside of Bates air pistol shows attachment for air tank. Side views show details of the lock mechanism, which looks like the genuine thing.



# Guns...

THE OLD AIR GUNS HAVE A SURPRISING  
HISTORY IN WAR AND IN PEACE



Only a close examination would show that this wheel lock rifle was in reality only a handsome air rifle.

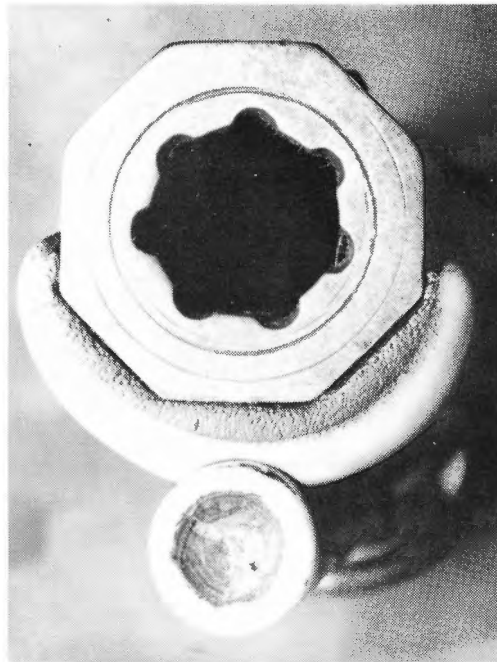
**A**IR GUNS HAVE a long, though not always honorable, history. While today's air guns are frequently considered kid's guns, serious competitive target shooting with air guns is quite the adult sport in Europe, especially in Germany and Austria. But the historical use of air guns encompasses not only target shooting, but military usage as well as poaching.

One of the earliest, if not the earliest, air gun is credited to Güter of Nuremburg. Since the historic background of these guns is rather hazy and adequate records do not appear to be available, various gun historians believe that he worked between 1400 and 1560.

Whatever the actual date of origin, many fine gun makers created beautiful specimens of "wind guns." Some of them, showing superior workmanship and obviously made by skilled artisans, are unsigned, and the maker's name is a matter of conjecture, based to a large extent on certain similarities of workmanship on wood or steel.

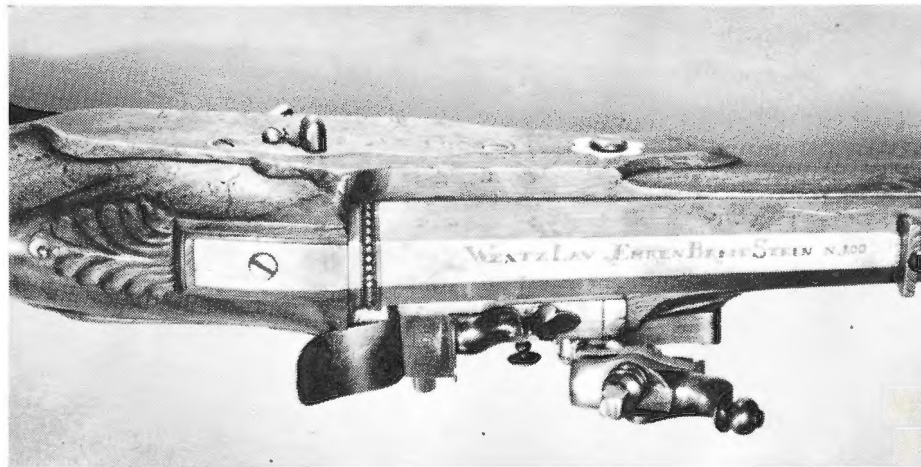
The relative silence of the wind or air gun when discharging its projectile gave these guns a great deal of popularity with poachers. Since game belonged to the land owner and the gentry frowned on poaching and discouraged the practice with rather severe punishments, makers of these guns found it politic not to advertise their illicit skills. It appears likely that the assumption that the best of the air guns that passed into our hands were made by the better gunsmiths is probably correct. Only skilled hands could produce a gun that contained such close tolerances as the pieces we have in today's collections. A poor gunsmith could never maintain the close tolerances and complete the many, and often highly intricate details, and hence the assumption that only the best of the gun makers were also the producers of air guns.

But game and game keepers were not the only targets of the early wind guns. A corps of Austrians at the Battle of Wagram during the first part of the 19th century was armed



Both ends of the wheel lock air gun. View of muzzle shows rifling, which measures .52" across lands and .58" across grooves. Air pump attaches to fitting hidden under the trapdoor in the butt.

Top view shows details of fake wheel lock action and markings on the barrel. Gun is believed to have been made around 1680-1700.







The unmarked air gun at left is only one of the three in this article that has action that is obviously faked. Gun is shown taken down (above) to show separate barrel liner.

## HISTORIC AIR GUNS

with repeating air rifles. These Austrian sharpshooters caused so much havoc among Napoleon's troops that he felt compelled to issue an edict, proclaiming the users of these guns as assassins—all prisoners taken with such an air gun were to be executed!

Air powered guns did not reappear on the military scene until the late 19th century when Teddy Roosevelt's Rough Riders carried a pneumatic dynamite cannon to Cuba. The U.S. also had dynamite cruisers, complete with an air tube to launch the explosive charges. These tubes were fixed, and in order to bring them to bear on the target, the ship had to be turned around.

Although air guns never became the principal arms of the military, there are records of numerous incidents where sharpshooters and snipers, through the ages, plied their trade with highly accurate air rifles.

Lewis and Clark took an air rifle on their expedition (about the same time as the Battle of Wagram) and documented at least one deer taken with it. An Indian woman was accidentally wounded with this gun at a distance of some 40 yards.

Three basic types of "ignition" have been used in air guns. Probably the earliest was the bellows principle, followed by the condensing syringe, which used a piston close-fitted in a tube. The compressed air cylinder was the last to be introduced, appearing around the late 17th century.

The three guns shown here are of the compressed air chamber type, and are from the collection of Nick Gerage, owner of the Maverick Trading Post in Chicago.

Oldest of these is the wheel-lock model. The gun is of German origin and is marked WentzLav EhrenBreitStein, N 100, and is believed to have been built between 1680-1700. It measures 45 inches overall and has 30.5 inch barrel. The bore mikes .52" across the lands, .58" across the grooves. This is a far cry from the .177 or .22 pellet one usually associates with air guns, but air guns have

been found in calibers up to .775". The air chamber is in the butt of the gun and a trapdoor opens in the butt plate so that the pump can be attached. Weight is 12.5 lbs.

The other long gun is unmarked, but is believed to have been made by Bate around 1780. Smoothbored in .38 caliber, the gun is equipped with a single set trigger, has a single screw take-down, and originally had a rifled tube which was inserted in place of the smooth barrel. Overall length is 49.5 inches, the barrel length is 33 inches. Weight without air cylinder is 5.75 lbs., and with it 8 lbs.

The real eye-catcher is the flintlock air pistol. Not too many of these were made, and most of them were custom jobs. Marked Bate-London, it is elaborately engraved, and even the ferrule which attaches the air cylinder is ornate, although it can't be seen when gun is assembled for use. Like the Bate long gun, the pistol was made between 1770-1780.

The .31 caliber barrel is 10 inches long, and the rifling strongly resembles Marlin's Micro-Groove. Over-all length is 19.5 inches, and without air cylinder the gun weighs 2.75 pounds; the cylinder alone weighs 1.75 pounds. Trigger is of the set variety.

The flintlock mechanism on the pistol works and looks like the real thing, but it does not strike sparks since a fake flint is used. The mechanism activates an eccentric which opens the valve momentarily to discharge a blast of compressed air. The system is probably a bit more elaborate than is necessary, but it is a pleasure to see the meticulous workmanship. The long guns shown also have working lock mechanisms. Seems that even in 1770 people wanted their air guns to look like real guns!

These old air guns are very accurate—and they are deadly as their history shows. Some of the low-powered plinking air guns have retained an astounding degree of their original accuracy, and considering their workmanship, it is really not too surprising to find that there is an increasing interest in those old wind guns!





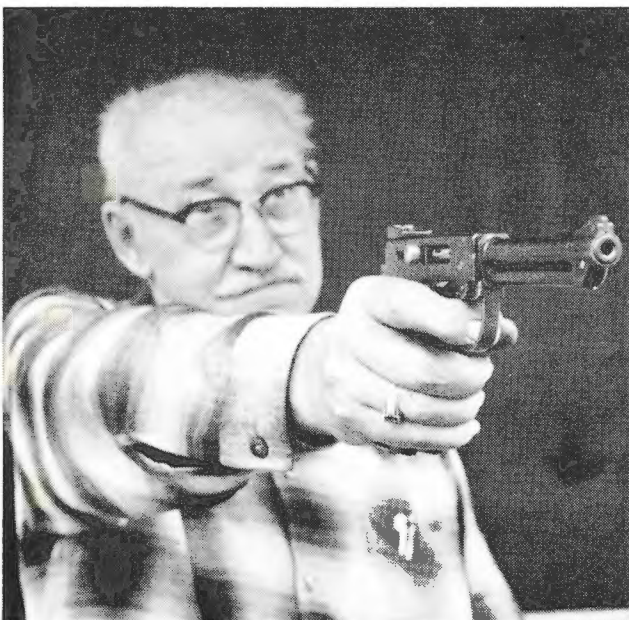
HERE IS A GUN THAT WAS DESIGNED AND BUILT  
FOR ONE LOT OF .22 AMMO IN 1925



## Gas-Operated .22 Auto Pistol

By KEN WARNER

Pistol design is complicated, and it has many intricate, tricky pieces. Below: big hands of Behrens makes pistol look smaller than it is.



**T**HE FIRST SUPPLIES of Western Super-X .22 Long Rifle reached Florida in 1925. The first lot was really hot, having a muzzle velocity of 1,450 fps. It was just the ticket for Henry Behrens, Sarasota gunsmith, though it was too fast for accuracy in standard barrels and gave a lot of other troubles. Before Western withdrew this hot .22 stuff to cool it off, Behrens corraled 45,000 rounds.

He then set out to make it shoot. When he finally rifled a Schuetzen single-shot with a gain-twist, he had found the answer. The hot load with such unheard-of velocity would shoot with the rest.

Behrens now set out to make a handgun to hold the new round—and wound up with the gun pictured here. On June 5, 1925, according to the dated plans, Behrens had the design worked out. The gun was to be a heavy target auto, with locked breech, and just for fun, a gas-operated action.

Between June 10 and June 30, the gun was built. Behrens doesn't recall how many hours (Continued on page 48)





Trap house, built of railroad ties, houses the club's hand-cocked regulation trap which was bought for \$25.

# Poor Man's Gun Club



Some members bring their muzzle-loading shotguns for black powder trap shooting on the Tofield range.



By A. R. WARNER

**WITH VERY LITTLE CASH, A  
LOT OF HARD WORK AND  
INGENUITY, THESE CANADIANS  
FOUNDED A NEW GUN CLUB**

SO YOU AND your shooting buddies want to belong to a gun club but you can't afford it? Do what we did—we built our own! After five years of operating the Tofield Gun Club, we have \$150 in the bank, and I doubt very much if our total cash outlay over the years was more than our present bank balance. Does that sound interesting, do you want to start a club in your town? Here is the story of the birth and growth of our club.

Tofield, located about 40 miles southeast of Edmonton, Alberta, is a small town with a population of about 1,000. A good many of the residents are hunters since we are located in the midst of some of the finest waterfowl and upland game country known. Since most of us are farmers or small businessmen who depend on the farmers for their income, ours is not a wealthy town and one gun club, that was started some years ago, did not survive for very long. In 1959, a few of us got together and decided that we wanted a place to do some shooting—some of it informal plinking but we also wanted some serious target shooting.

A local farmer had a pasture that bordered on a high bank of a creek and we leased this little corner of Alberta. Here a 20 yard range was laid, and every Monday night the members drove out there for a little practice with their .22 rifles. The club was organized under the sporting rifle

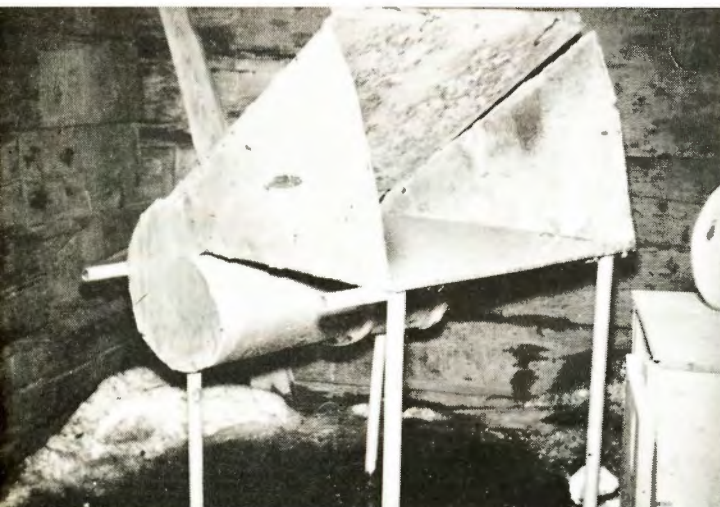




George Thiessen, Tofield member, instructs a group of youngsters on the operation of an autoloading shotgun.



The club president, Arnie Klassen, teaches one of the junior members the fundamentals of smallbore shooting.



The club's home-made bullet trap has been hit by over 50,000 rounds, and still shows no signs of stress.



A work party of club members erected this separating partition between the club room and the firing line.

regulations set forth by Dominion Marksmen. Dominion Marksmen is sponsored by CIL (Canadian Industries Limited), who supply free targets, and provide various awards for the completion of different competitions. The only restrictions are that CIL ammunition must be used and that shooters abide by the scoring rules, use the proper targets and rifles. Rifles classed as target rifles are forbidden in the sporting rifle class.

Soon after the club was formed, it was decided to institute a Junior Club. Our main purpose was to teach the kids the safe way to handle guns, and to give them a basic knowledge of sportsmanship. We were very successful, and none of the young people trained by us has ever been involved in a gun accident. As a further incentive to improve their shooting, a local utilities firm offers a trophy, which is awarded to the best shot in the Junior Club.

One evening, on the way to that first range, one of the members took along his shotgun. After the light became too poor for rifle shooting, the members amused themselves by shooting at hand-thrown lumps of dirt. Thus, the trap-shooting idea was born. A Western practice trap, the property of the former members of a previously attempted gun club, was secured. The price was right—three free memberships for the surviving members of the old club! Since

dues at that time were only \$2.00 per year, we had very little to lose. This trap was set up at the first range, and we did shoot a few clay pigeons that fall.

The following spring, the axe fell. Apparently our range was close enough to a neighbor's buildings that it constituted an annoyance to his dairy cows. The hunt was on for another location for our range.

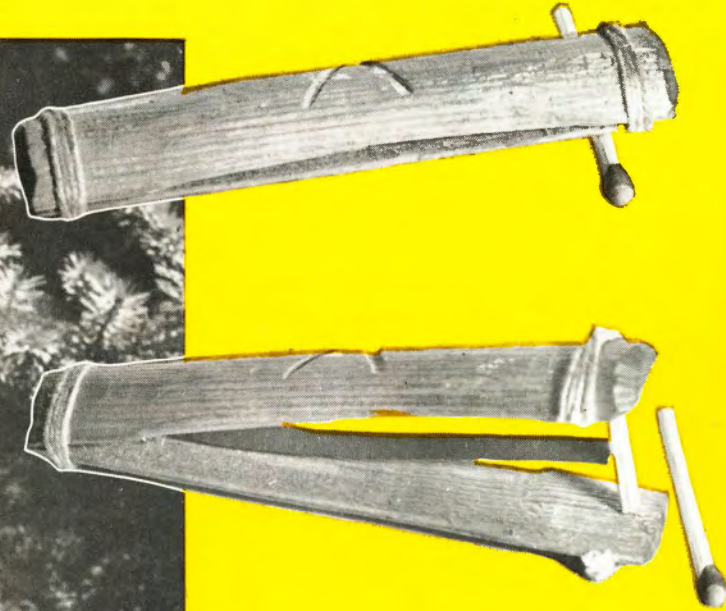
After several weeks of searching, a spot was found only half a mile from town. A bend in a natural coulee again formed a backstop for rifle bullets and the sides of the coulee were covered with underbrush.

Very little shooting was done that summer. The members were busy as beavers clearing brush, digging roots, seeding grass. A regulation trap field was laid out, with the trap dug into the hillside, and protected with old railway ties stacked log cabin fashion. A few concrete walk sections were scrounged for use as firing points, and a trip line and trigger assembly were dug in by hand.

A 20 yard smallbore range was laid out with the help of a borrowed bulldozer. A bench rest was built 100 yards from the target holders so that the members could sight in their big game rifles. The old practice trap had been repaired with an oversize spring. It now had an amazing ability to throw birds so fast (Continued on page 46)



# CALLING



In using deer call, hands are cupped around ends of call so that they act as sound boxes. At right, author's Indian wooden deer call.

**CALLING DEER HAS  
BEEN A FORGOTTEN ART, BUT  
WITH THE HELP OF A CALL  
YOU CAN NOW MASTER IT!**

By **ARTHUR H. CARHART**

**T**HE MOST AMAZING thing about deer calling is that, after it was "rediscovered" and the first Indian-type call came on the market in 1947, so many sportsmen still don't know the facts about this highly effective and easy to learn way of hunting.

Some have represented deer calling as "new." Well, it isn't.

Deer calling was an art practiced by the American Indians. They had to get their venison within bowshot, and the deer call was their way of doing this.

In 1843, John James Audubon led a party of naturalists, explorers and gents to the upper reaches of the Missouri River. Audubon's friend, Edward Harris, a well-to-do New Jersey farmer, was one of this group. Audubon had hired Etineé Provost, a famous frontier hunter, to get meat for the pot as well as specimens for natural history purposes. Etineé put a deer call together on June 24, 1843. After breakfast that day, Ed Harris, the farmer-naturalist and hunter, borrowed this call, and quoting him,



# ALL DEER



he "tried it on a small island of timber about a mile beyond the point (where the river bent sharply,) at the first call a Doe came within 30 feet of me, she stopped behind a bunch of trees and in endeavoring to change my position to get a shot I stepped upon a log and my foot slipped and before I could recover myself to shoot she had seen me and was out of sight in the bushes."

Long before I found this reference to deer calling, a friend from Alaska sent me a call that he had been using most successfully for blacktails and mulies. I tried it, and since it worked for me, I wrote about it. Within two years, a number of commercial calls were on the market, but the one made by Sport-LORE, Inc., was the first one and its design has not been changed over the years. A number of variations of the original Indian call became available, and while some survived, others fell by the wayside when results in the field were disappointing. My old Sport-LORE call still produces deer for me every year, and because of my success, I am constantly amazed how few deer hunters really understand deer calling.

Many hunters apparently don't appreciate deer calling. Anyone who thinks that calling guarantees a shot at a deer or proclaims that a call is a "gadget" is as wrong as he could be. Calling deer is *one* way of hunting deer, and if properly done, it can be highly a effective way. For my money, I consider it a lot more sporting and calling requires as much skill and woodsmanship as any other kind of deer hunting.

The original call was hand-fashioned from cedar wood.

The reed used was fresh, inner bark of the cedar tree, and the ends of the call were bound together with ordinary twine. The call made with modern materials has plastic sides instead of wood, and a special rubber reed replaces the inner bark of a cedar. The slotted ends of the call provide practically automatic adjustments of tension of the reed to produce a proper tone—which no other item offered as a deer call that I've seen can do so effectively.

If you buy a deer call, this feature on the flexible reed is of first importance. There is a "flutter" in the sound it makes. Some calls have been made with a hard plastic reed, very much like a duck call, but they do not produce this important flutter. Relatively few hunters have heard deer "talk." They may have heard the surprised snort of a deer warning of danger, or the squall of a wounded deer. But when deer are undisturbed and are "talking" to each other, there is a bleating, plaintive sound, with a very distinct flutter in it. That's why the flexible type of reed that produces this sound, comes so very close to duplicating the actual deer voice.

Even with the best call made, it is possible to scare deer out of the country. Use it too forcefully, too loudly, or too often, and you are worse off than if you had no call.

Deer must be within the area being hunted. Find a spot where you are at least partially screened, and from where you can look around in all directions. Many hunters have reported they kept looking at the open area where they expected deer to show up. When none did, and when they got to their feet, deer that had *(Continued on page 41)*

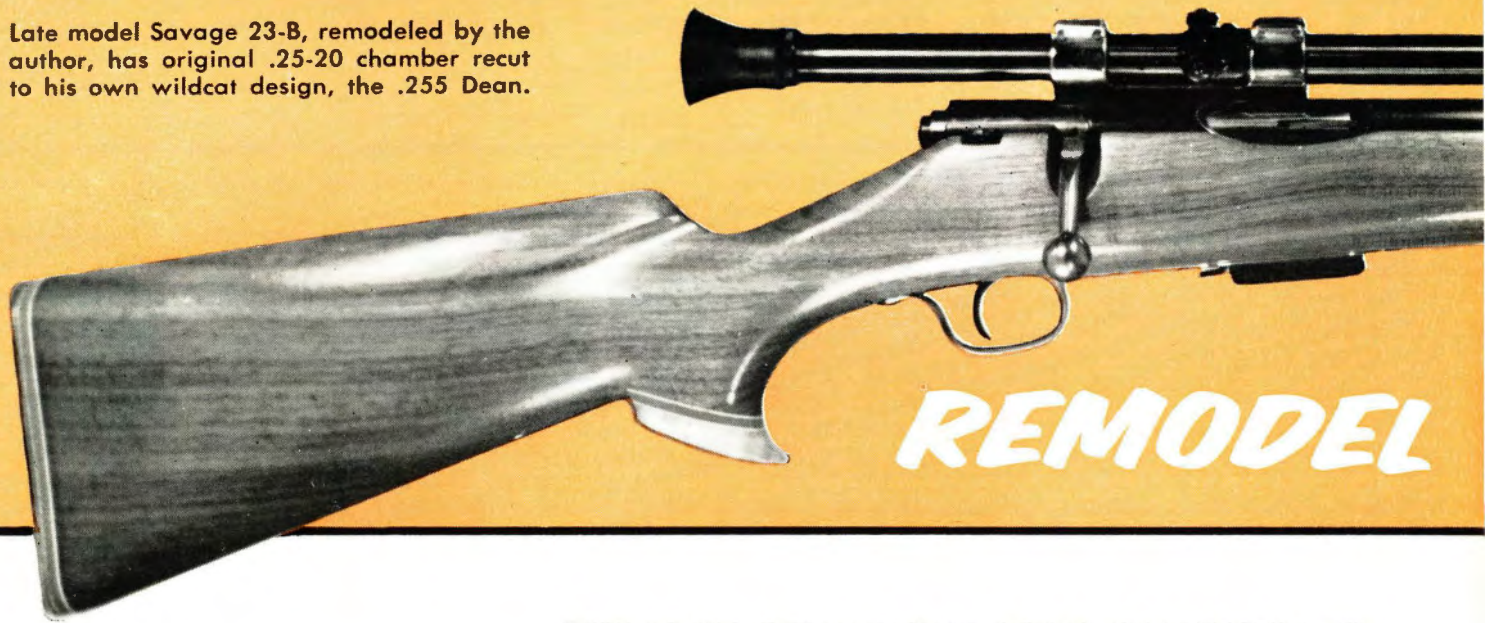


Modern deer call is imitation of the one used by the Indians, but has the advantage that it can be mastered by anyone with the help of a record that comes with it. The small buck was called within easy range of gun.





Late model Savage 23-B, remodeled by the author, has original .25-20 chamber recut to his own wildcat design, the .255 Dean.



# REMODEL

**THE FIRST COMMERCIAL RIFLE CHAMBERED FOR THE .22 HORNET, A MODEL 23 IN ANY CALIBER IS WORTH RESTORING**

By HARRY O. DEAN

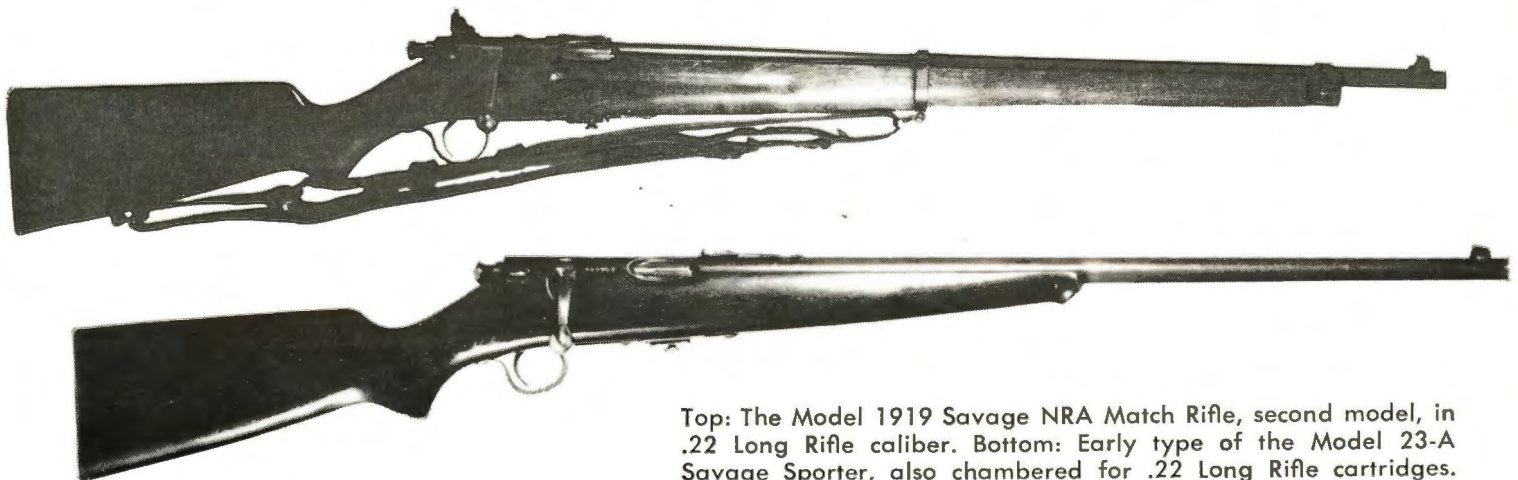


Calibers of the Model 23 Savage.

EVERY RIFLEMAN should find plenty of interest in the story of the famous "Savage 23." This sleek little rifle started life with a different name and there were several changes, all for the better, of course. But, throughout all of these modifications, the basic design stands out so strongly that you cannot fail to recognize it.

In 1919, the Savage Arms Company brought out a new smallbore target rifle. Looking much like a baby Springfield, the Savage Model 1919 featured a long military type stock which reached to within a few inches of the muzzle. It was lighter than a Springfield, however, tipping the scales at about 7 pounds, with sling.

Savage was looking for comments from users, and the little five shot bolt gun had a real "shakedown run" at Caldwell, New Jersey, when the United States Dewar team of 1919 gave the gun a good "wringing out." Suggestions also were heard from the National Rifle Association. The progressive people at Savage weren't fooling; they



Top: The Model 1919 Savage NRA Match Rifle, second model, in .22 Long Rifle caliber. Bottom: Early type of the Model 23-A Savage Sporter, also chambered for .22 Long Rifle cartridges.





# YOUR SAVAGE M-23

asked for opinions and then did something about it! Over a period of time, they improved the action of the cocking cam, speeded up the lock time, and corrected the ejection to make it more positive. Bear in mind that they were limited by their attempt to keep the price in the twenty dollar bracket. It was this rifle, listed as the "Model 1919 NRA Target Rifle" that was sold by the National Target and Supply Co., for many years.

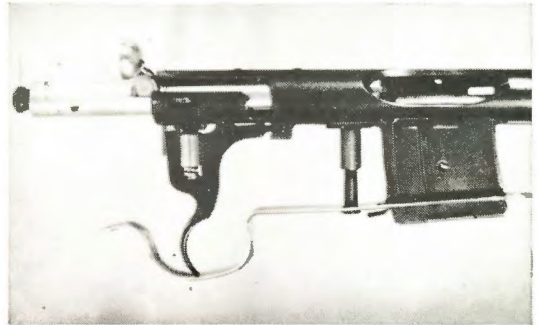
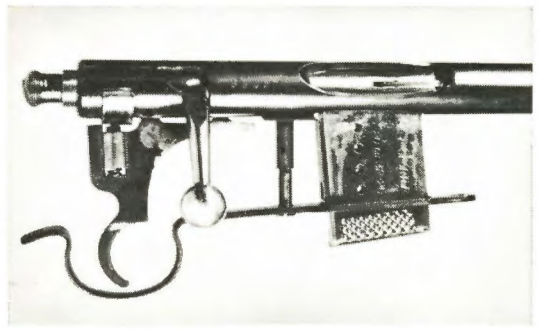
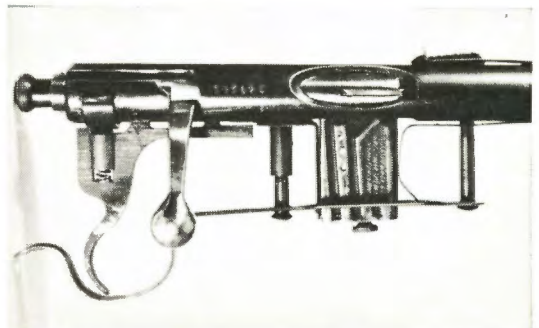
In 1923, some radical changes were made and the true "Savage Model 23" took form. The Model 1919, incorporating the new changes, was now called the "Savage NRA Match Rifle." It continued in production with serial numbers from 25,000 to 45,000 and was last cataloged in 1932.

The new 1923 sporting version was christened the "Savage Sporter Model 23." This handy .22 rifle had a sporting stock and a modified bolt handle which would not interfere with scope sights. At this point, the Savage designers made a smart move! By the addition of a second locking lug, the very same Model 23 action was made suitable for the .25-20 and .32-20 cartridges! Tests indicated that the improved two lug action was sufficiently strong to withstand the nominal 28,000 pound breech pressure of these popular varmint cartridges. There was, of course, a good pressure safety margin above this figure.

The year 1924 saw the Model 23 Sporter being produced in three different calibers. Designated 23-A in .22 R.F. caliber; 23-B in .25-20; and 23-C in the .32-20 caliber, all three were made with "schnable tip" fore-end until 1933. Up to this point the M23 serial numbers ran from 25,000 to 127,000 in .22 rimfire caliber. The centerfire rifles had numbers up to 204,048.

In 1930, the attention of the Savage engineering department was turned again to their famous Model 23. A hot new cartridge had just come into prominence—the .22 Hornet! The clamor for this new varmint cartridge was so strong that Winchester was ready to produce factory ammo without one single commercial rifle being made to shoot it! Not to be caught napping, the Savage group was already revamping a Model 23 for tests. The action was perfect in size; the gun and cartridge seemed made for each other! "Blue pill" pressure tests, heat treatment experiments, accuracy trials, all were given top priority. A new magazine and release system was designed and an improved stock with a full fore-end and high comb for use of a scope had been created. Finally all was ready. In 1932, Savage Arms announced a new rifle for a new cartridge . . . the Savage Model 23-D Sporter! The *first* commercial Hornet rifle to

Top to bottom: Early Model 23-A with knurled magazine button; a Model 23-C action, note loading port lengthened and thumb safety; later actions had curved magazine.







Pencil points to place where a thin shim washer can be placed to correct headspace.

## SAVAGE M-23

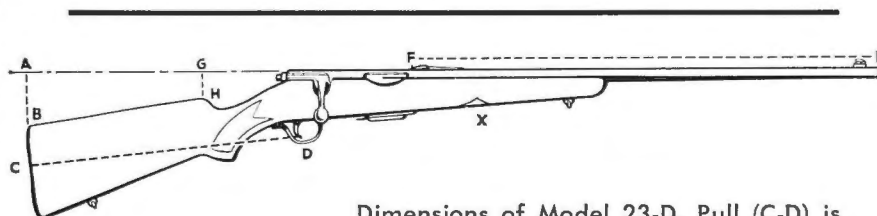
be produced. it was light, accurate, and best of all, it was moderately priced! The sales charts at Savage edged upward.

The Savage designers then altered the striker to eliminate the cocking knob and thus added a speedlock to the firing mechanism. With all these improvements on the basic action it was decided to discontinue the old military-style NRA Match rifle and replace it with a fine new .22 target rifle of modern design.

Around March of 1933, Savage brought forth their new "Savage NRA Model 1933." They again wanted to produce a target arm, capable of high performance, at a price under \$30. The new rifle, to be known as the Model 19, was just such a gun! It listed at \$29.95. The new prone stock won the praise of all who tried it, and it was as comfortable as an old shoe! The loading port had been enlarged to permit single loading and the new sights were much more rigid. The fine stock was full enough to allow some shooters to trim it at comb, fore-end, or pistol grip, if necessary. With a



Illustrations show various steps taken in the installation of the fore-end tip. An array of good sharp rasps, round and flat, are essential, and so is a lot of patience.



Dimensions of Model 23-D. Pull (C-D) is 13½"; drop at comb (G-H) is 1⅝"; and drop at heel (A-B) is 2¾". The barrel lengths (E-F) varied from 23 to 28 inches.

striker travel of only  $\frac{3}{16}$ ", the lock time was reduced to less than .002 second! Small wonder that the rifle chalked up many perfect scores on the target range!

The big bonus for tack driving varmint hunters came in 1934, when this same target-grade rifle was introduced in .22 Hornet caliber! A woodchuck sniper's dream, with a medium heavy barrel, and built for a scope! Here was a Hornet rifle that came up to the full accuracy potential of that fine cartridge. These rifles were built from 1933 to 1940. In 1937, the .22 Long Rifle version was also made available with a new heavy barrel. This was due more to the demands of shooters, rather than to improve accuracy, since the original M19 would shoot excellently if the bedding was right. It points up the fact, however, that the Savage folks were willing to cater to shooters' requests, and the heavier rifle, designated Model 19M, would hold better in all positions. The Model 19M was manufactured from 1937 to 1941. The regular M19, with medium weight barrel, was made from 1933 to 1945.

As you can see, the rifles known as the "Savage 23's" and all their ancestors made up quite a family. Then they faded from the scene, one by one. The .22 sporter was discontinued in 1941, along with the long popular .25-20. The excellent M19 target rifle was dropped in 1945; followed by the .32-20 in 1946. Finally, in 1948, the popular .22 Hornet Model 23-D ceased to be manufactured, and the curtain had fallen on the famous Savage Model 23 Sporters.

Around 1940, I developed a wildcat version of the .25-20 cartridge; the ".255 Dean." I used a 23-B in (*Continued on page 39*)





**PORTABLE**


# GUN SUPPORT

By DON SHINER



Simple fore-end rest attached to the tilt table and Kodapod will give you bench rest steadiness for increased accuracy on shots at long range.

A CAMERA clamp or Kodapod and a tilt-top can be combined to make a fine portable, pocket-sized gun support which can be set up almost anywhere in the field. This shooting aid can be attached to a wooden stake or to the trunk of a young tree for shooting and varmint hunting. Cut a block of hardwood, rocker-shape it to fit the forearm of the rifle. To this attach a 1x2 inch rectangle of aluminum, drilled and tapped to accept the standard 1/4x20 camera screw found in the Kodapod.

Clamp the entire device to a tree, then tighten the tilt-top at the desired angle. This portable gun rest will help to increase your shooting scores. 





Riot shotgun (top) does not throw a good buckshot pattern. Drilling has a rifle and shotgun barrels, yet European hunters use rifle only for big game. Author feels that a good rifle is surer and safer.

# Let's Outlaw Buckshot

A REVEALING APPRAISAL OF THE USE OF BUCKSHOT  
FOR WHITETAIL DEER HUNTING

By B. R. HUGHES



Author believes that any of these old time cartridges are superior to buckshot. Left to right: .303 British; .22 Savage Hi Power; .250 Savage and the .300 Savage.





Shotguns and hounds are traditional for deer hunting in the South, but few deer are killed with a single shot.



**"I'M SORRY, MISTER.** No rifles allowed in this deer camp. If you want to hunt with us, you've got to use a shotgun. However, I think we've an extra you can borrow."

You may hear these or similar words should you show up at a Southern deer hunt armed with a rifle. In the South, as well as in other regions, shotguns and buckshot are an immensely popular combination for deer, and in many places rifles are outlawed.

So it would seem that the multi-pellet load must be a good one. Many are the tales of monstrous bucks downed with buckshot at fantastic ranges. The truth is, however, that buckshot is the worse possible choice for almost any sporting purpose and, in my humble opinion, its use should be limited to military and police use.

Strong words? Indeed they are, and I think this case merits such language. But if buckshot is so bad, why then is it so popular? This is a fair question, and I will do my best to answer it. Even before the American Revolution, rifled arms were admittedly much more accurate than the more common smoothbores. Yet, at the same time, rifles were more expensive. Therefore, most of the citizens of ordinary means in those days were restricted to the use

of the wondrously inaccurate smoothbore. It was exceedingly difficult to hit a target the size of a man's head at 50 yards with a smoothbore and, in an effort to insure hits, shooters fell back to loads containing several large pellets. Such loads were impressive on savage Indians, and fairly effective on deer and turkey at close range. The trend continued down through the years, and the use of buckshot for deer hunting spread, particularly among farmers and others of the less well-to-do-class.

With so many shotguns in use, it followed that a few miraculous long shots would be pulled off. Occasionally a single stray pellet would strike a deer in the brain or backbone at 100 yards or so. Thus, the myth of buckshot effectiveness was spread. In truth, when ranges were limited to about 25 yards, buckshot was a fair killer, and I suspect that most of our ancestors accepted this fact. But as those tales of long kills were told, more and more hunters accepted the idea that buckshot was effective at completely unrealistic yardages. Soon the deadliness of buckshot was accepted by practically all sportsmen.

Add to this the belief of many that a rifle is a danger to other hunters while buckshot is *(Continued on page 40)*



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# THE M700 RE-EXAMINED

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THE AUTHOR'S CHOICE  
FOR A READY-MADE VARMINT RIFLE

By BLAINE KLOPPENBORG

THE YEAR 1962 was a memorable one for varmint shooters, for it was then that we got our first glimpse of the new Remington Model 700 rifle. The big game hunters also remember this as the year that Remington introduced a new big game cartridge for this rifle, the 7 mm Remington Magnum.

After several years, I can still recall my eagerness to get my hands on one of these rifles. Because I am mainly interested in varminting, I chose the Model 700 in .222 Remington caliber. This is still one of the hottest varmint cartridges made; wonderfully accurate in good rifles, with little report, and hardly any kick at all. Sending its 50-grain bullet out of the muzzle at some 3200 fps, the .222 Remington is noted for its exceptionally long barrel life, and was a roaring success from the moment it was introduced in 1950. In addition to being a top seller, the .222 Remington is conceded to be one of our top varmint cartridges, and it also holds its share of benchrest records.

Ted McCawley, of Remington, arranged for me to receive a Model 700 BDL in .222 Remington well before they reached the market. When it arrived, I checked it over carefully and everything functioned perfectly. I used a large variety of ammunition, under every possible field condition, without a single malfunction. I then function-fired the rifle to check the loading characteristics, and get the general feel of the new gun.

Admittedly, I had some misgivings about the 20" tube





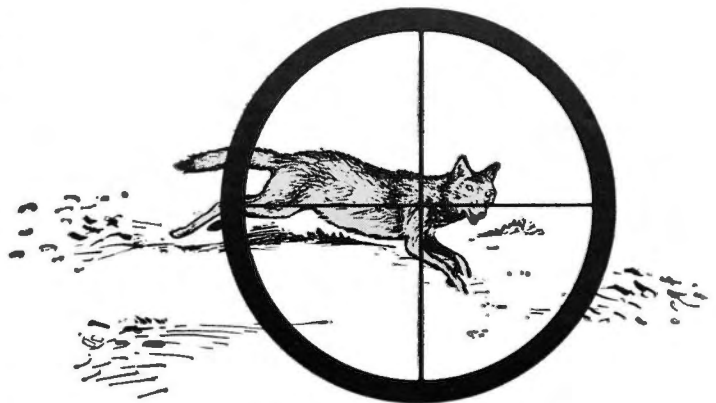
that this rifle sported. Being a varmint shooter and sometimes benchrest enthusiast, I was prone to look with disdain at anything but a long, heavy barrel. Although, as a varmint shooter from way back, I long ago discovered that a well tuned-up light rifle will put five shots into just as small a group as a heavy rifle.

Before taking the barrel out of the stock or fiddling with the rifle in any way, I gave it a range test. I am a firm believer in range testing a rifle just as it comes out of the box from the factory. The chances are, that's the way about 99 out of every 100 shooters are going to use theirs. I rigged the same scope on it that I had on a heavy barrel outfit, a Unertl 2" Ultra Varmint scope in 15X. This gave me the best possible combination; a varmint cartridge, a varmint rifle, and a varmint scope. I fired three shots to zero in at 25 yards before moving back to the 100 yard benchrest. I then fired a slow string of five rounds. Hardly believing what I saw, I ran off another five shot group, again firing slowly. This group was exactly  $\frac{7}{16}$ ", and I was using standard Remington factory loads. I consider this a real performance for a stock rifle with a 20" lightweight barrel and factory ammo. Here was proof that a varmint rifle can be made accurate and light without belting you out from under your upper plate. Everything about this rifle worked well, safety, extraction, trigger pull, and feeding. But a word of caution at this point: If you single load into the box type magazine (which most

varmint shooters do) be sure the round is in the correct position—seated in the magazine and fully to the rear. If this is not done, cases will not feed into the chamber, but instead will flip out onto the ground.

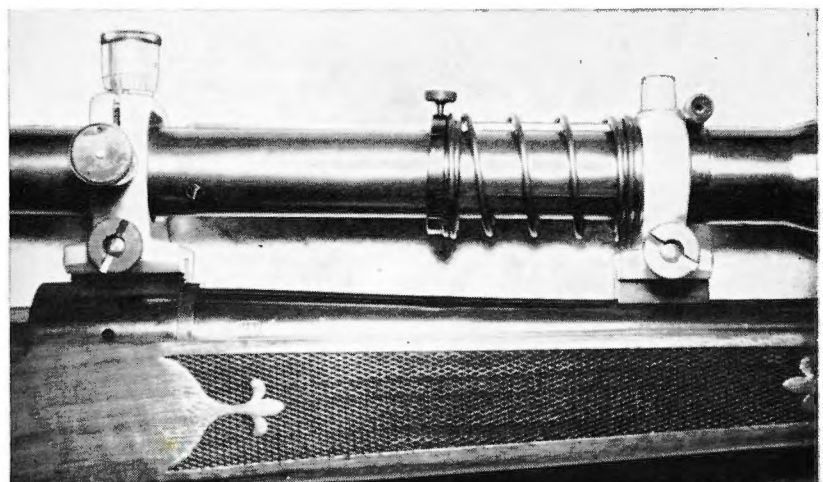
The short barrel has its own peculiarities. Instead of "climbing" when it gets hot, as a long barrel outfit will, the short tube "patterns" when it gets warm! After about five or six shots in rapid succession, extreme spreading develops. I found no evidence of keyholing, however. For pure accuracy, my older Model 725, which the 700 replaced and which is endowed with a 22" barrel, will lay 'em into a half-inch group all day, a feat which outperforms the 700's shooting abilities. For varmint work, the velocity loss of the 20" barrel over the 22" or 24" barrels is almost negligible. I strongly suspect that velocity loss would show up rather markedly in the larger bores however. Whatever velocity loss is sacrificed with the short barrel is more than offset by the lightweight (mine tips the scale at  $6\frac{3}{4}$  lbs.,  $\frac{1}{4}$  lb. over factory specs), custom features, and the price tag. The 250 yard working range of the .222 Remington is such that any difference in velocity isn't going to affect its Sunday punch overly, especially when we are only talking about several inches. Whatever species of varmint is shot within the .222's range will be very dead indeed, and you can't kill a varmint any deader than dead.

The bolt of the 700 carries the same recessed face for added strength and safety to (Continued on page 51)



Left: Accuracy of Remington 700 is evident by this  $\frac{7}{16}$  inch group at 100 yards. Shooting was done on a windy day, from bench, with handloads.

Big varmint scope is easily mounted on the 700, and Monte Carlo stock is high enough to give perfect eye alignment.







**H**ALF A century of trapshooting was honored at the Dr. E. W. Merrithew Memorial trapshoot at the Martinez, California, Gun Club. His fellow club members and shooters pay much deserved honor to a founder and charter member of the club, and crippled youngsters at the San Francisco Shrine Hospital were benefited by a contribution from shooters and the club in the Doctor's name. Area newspapers gave the program good coverage, including photographs before and after the big two-day clay target program.

The Martinez club is one of the oldest and most active trap clubs on the West Coast, offers shooters a beautiful and functional clubhouse overlooking ten traps, and one of the nation's few Olympic Trap installations, with an 85 foot bunker and fifteen traps.

Saturday's portion of the big two-day event offered 100 16 yard targets, 100 handicap, and 25 pairs of doubles, followed by 50 International targets. Al Ljutic from Reno, Nevada, and Ed Snyder of Bird's Landing, California, deadlocked for Class A 16 yard honors, and Ljutic took the shoot-off, after both had dropped one target during the regulation distance. Ransom Petray from San Francisco's Pacific Rod & Gun Club posted an unopposed 99 for the victory in Class B. Dr. Claude Warden from Lafayette topped the Class C contingent with 95 birds. John Sprinkle from Pleasant Hill and Bob Potter from Oakland locked horns in Class D, at 94, with the shoot-off victory going to Potter.

Another Pacific Rod & Gun Clubber, Al Eder, won the handicap event (and another yard) with a score of 97. Dom Lupo from the host club was one target shy of a shoot-off. Palo Alto's Jim Crane dropped just two birds from the doubles event, good for unopposed honors.

History was partially repeated for Al Ljutic in Sunday's 16 yard program, but this time the shoot-off went to Jim Crane, who

still had momentum from his Saturday doubles victory, after both had dropped two birds in a choppy wind that greeted Sunday's shooters. As on Saturday, the same score, a lone 98, took Class B for Perry Austin of Healdsburg. Guido Pierucci took the Class C trophy back across the Bay Bridge to San Francisco, for one less broken bird. Howard Skog of Hayward and Edmond Harm from Fremont tied for the trophy in Class D, and the hardware went to Harm in the extra inning. Young Jeff Evans from Napa started to put in his claim for the High-Over-All honors in the handicap event, where his 96 topped the 149 entries. A. R. Smith from Cheney, Washington was one target off the winning pace for the runner-up spot.

George Higgins from Sacramento took all the gold in Class A doubles, while the Class B trophy hinged on a shoot-off between Jeff Evans and Tom McIntyre from Daly City. McIntyre took the trophy, but the total score of 465x500 targets gave the High-Over-All for the entire Merrithew Memorial to Jeff Evans, who shaded Al Eder of San Francisco by just one bird for the victory.

Nadine Ljutic added another trophy to this shooting family's collection with a victory in the feminine division of the handicap program, and the junior victory went to Mitch Huston of Kelseyville, California.

In Pennsylvania, Dr. A. B. Hersberger won another memorial event, the Tish Wasserman Memorial Trophy, at Aronimink Gun Club, with a perfect score, and Mrs. R. P. Scott won the Ladies' Handicap portion of the same program with a score one target shy of perfection.

Another memorial event at the Aronimink club, the Dr. J. F. Mahoney Memorial, was decided on the same day, after inclement weather had caused its postponement. Robert McKenna was the victor, when two other

shooters who had matched his score left the grounds before a shoot-off.

Mrs. R. D. Mulberger and Louis Pettinos tied Fred Lyons and Mrs. K. C. Jonas in the unusual "protection" match at the Philadelphia Country Club, with the shoot-off victory going to Lyons and Mrs. Jonas. William Huntsberger fired a 99 to top the field in a Bucks F&G Club event at Doylestown.

Mrs. Rhoda Wolf braved high winds and snow to win the Torresdale-Frankford Mid-Winter championship. Fran Slicker of Roxborough, a protege of John Wilde, secretary of the club, captured a significant victory at Roxborough on the same week-end. Dr. William L. Battersby was the handicap victor in the Torresdale program.

Mrs. John Whitting of Valley Forge Gun Club led her team to victory in the seventh match of the Pennsylvania Women's Inter-Club Trapshooting League. Mrs. Whiting broke 25 straight in a shoot-off to gain the victory over Mrs. Bruce Ambler of the Huntingdon Valley club, and Mrs. Donald Darby and Mrs. Malcolm Scott of her own club. Her Valley Forge Club won the team match, with a score of 221x250. Huntingdon Valley was second, Torresdale-Franford third, Philadelphia CC fourth, and Aronimink Gun Club fifth. Other members of the winning Valley Forge team were Gertrude Walker and Mrs. Robert Hewes.

In other trophy shoots, Cy Melikian won the Fred Hooven Trophy Shoot at Newton Square, and to provide a man-bites-dog switch, Fred Hooven turned back Pierre Houdry in a shoot-off for the Thomas P. Jones Trophy.

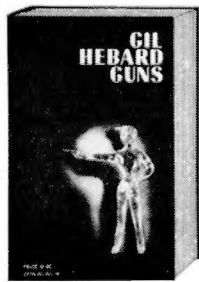
Mrs. Karl C. (Bonnie) Jonas turned back all entries in a regular event at Gladwyne in the 16 yard championship. Jack Lafore bested Dr. Rodman Finkbiner for the runner-up spot, but Dr. Finkbiner gained momentum for an unopposed victory in the handicap program with a perfect score, five targets better than the 16 yard effort.

The shooting Hunsberger family had a bad day at a shoot hosted by the Upper Perkiomen Sportsmen's Club at Red Hill, Pennsylvania. William Hunsberger, former Pennsylvania state champ, lost the big one by one target to Warren Fenzloff of New Jersey, and Mrs. Hunsberger (Jean) was one target shy of Mrs. Mary Christopher's 92 in the Ladies event of the same program.

More happy as they drove home from the Peter Fuller Handicap Trophy event were the George Kolbs. At least, George Kolb was happy. He and Mrs. Kolb both broke perfect scores in the race, and Mr. Kolb topped Mrs. Kolb in the shoot-off.

Another husband-wife shooting team had better luck. Mrs. Lewis R. Wolf (Rhoda) won the William Leeds yardage handicap trophy at Torresdale for the 24 yard stripe, and Dr. Wolf topped the 23 yard contingent for his trophy. However, they did complicate matters slightly by finishing one-two in the high-over-all competition.

Still another shooting couple, the Joe Comlys', won the Lou Rauscher handicap event, and did it with perfect scores, so that there could be no question of who did best.



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## REMODEL YOUR SAVAGE M23

(Continued from page 32)

.25-20 as my pilot model, and chambered it to fire from the .255 Dean case and create a new shoulder—just as Lysle Kilbourn had done in developing the famous "K" Hornet. The new cartridge shot like a charm; it was fast, accurate, and deadly! Publicity the cartridge received in the "American Rifleman" and even in F. C. Ness' book "Practical Dope on the Big Bores," started a rush of queries from shooters. And, in most cases, I had to try to talk them out of the idea! It seemed that the majority of them had some old lever gun, a Remington Model 25 pump gun, or some other arm of borderline strength. All were safe enough with the .25-20, but they were certainly *not* rifles to be recut to the .255 Dean. My cartridge had topped 3,000 feet per second with the 60 grain bullet in some test runs, and was normally loaded to 2,700 or 2,800 fps as a working round. It was only safe in recently made, tight, Savage M23's, the Savage M219 single, the Winchester M43, and certain falling block single shot guns. I do not mean that it was a high pressure number; it was just that no one likes to chamber a rickety gun to Hornet, Bee, .255 or what have you. I did resolve, however, that I would build one more .225—should I ever locate a tight, late model Savage 23.

Several years ago. I spotted a pretty good M23B in the necessary .25-20 caliber. I

connived with Bill Getzman at the Buffalo Gun Center, and after some horse trading, I owned the little .25-20 bolt gun. I checked with Otto Neubrand, the gunsmith who had made the first .255 Dean reamer and though he would never sell me the reamer, he was anxious to chamber my new find. This done, I turned my attention to the stock. The wood was plain with no fancy grain, but it did have good contrast with light and dark streaks. I decided to remodel the stock and trim it up a bit. This is possible with the late model stocks. Though the early schnabel tip models are more of a problem, all of the M23 stocks have a pretty good shape.

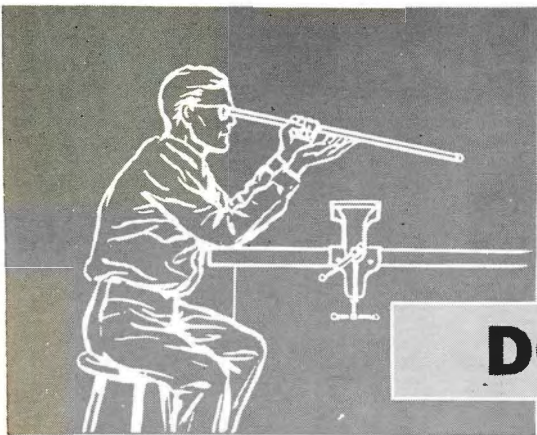
I removed all of the old varnish, accumulated dirt, and oil stains from the stock with a water soluble varnish remover, and then scraped the stock to remove dents and gouges. I decided to get fancy, and add a contrasting fore-end tip and grip cap. I chose tigertail maple, with red and white plastic spacers. You'll note that my fore-end tip is mounted at a 45 degree angle, but I would suggest that if you have not had experience with this, that you mount it at 90 degrees. A 5/8" hole is bored into the fore-end, parallel with the barrel groove, and a matching hole is drilled into the oversize fore-end tip block and plastic spacers. A roughed up piece of 5/8" dowel is then spread liberally with a good glue (I used

an epoxy resin type), and the components are glued into place. When the glue has hardened, the oversize block and spacers are trimmed to match the shape of the fore-end.

The grip cap is attached to the stock with a long screw, and is shaped to suit your fancy. When all of the final shaping is done, the entire stock is sanded smooth. I raised the grain of the wood several times by wetting it and drying over a hot plate. What type of finish you select is up to you, but do a good job; the Model 32 deserves it.

In spite of its age, there is very little that can go wrong with a Model 23. I have seen some sad looking specimens, but even with a fairly rough bore, they seem to shoot into a three inch circle at 100 yards. Headspace can be corrected easily by adding a shim washer between the two bolt sections, and any gunsmith can make up extractor hooks or a firing pin should one break or become worn. The factory can still supply certain parts. In .32-20 caliber, the 80 grain Hi-Speed bullet is best for varmints. Rifles in .25-20 caliber will do fine work on chucks, fox, and coyotes with the 60 grain bullet. Model 23 Hornets handle all loads well and a good four power scope will allow all of these centerfire loads to perform well up to 150 yards. Many westerners have their Model 23 barrels cut to 18 inches for saddle use, with a rugged 4X Weaver mounted low.

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## LET'S OUTLAW BUCKSHOT!

(Continued from page 35)

relatively harmless, and the story is almost complete.

How well armed for a deer hunt is a buckshot hunter, and how safe are his hunting companions from stray pellets? Let's examine the matter, and see if the answers to these questions can be found.

First, let us concede that a deer has a vital area into which a bullet or buckshot must be delivered if a quick, humane kill is to follow. Let us give this area a size of about 113 square inches—a circle about 12" in diameter. This does not take into consideration the backbone, neck, or brain, because with a shotgun these are not normally targets, and if a killing shot cannot be delivered into a 12" circle, there is little to indicate that a smaller target would result in greater success.

Judicious patterning will reveal that it is a phenomenal shotgun that will place any number of buckshot into this 12" circle at any range much beyond 30 yards. It does not seem to matter much if the shotgun is choked full, modified, or improved cylinder. Test firing reveals that the patterns are all ineffectual even at moderate ranges. Generally, the best patterns were obtained with modified barrels, but the difference was slight. Those who have used Winchester's Mark 5 buckshot loads extensively tell me that this particular load performs best from a full choke.

To be effective, a number of buckshot pellets must strike the target; individually, the pellets do not have enough power. How many pellets must strike that 12" circle to qualify a certain gun and load as a reliable deer killer? Naturally, there is no cut and dried rule, but it should be conceded that no less power than that generated by the .357 Magnum handgun slug at 50 yards should be relied upon for clean kills on deer. At this range, the 158 grain factory bullet develops about 500 ft./lbs. of energy from a six inch barrel. I can't imagine anyone being satisfied with much less power than this for deer, so let's accept this figure as the minimum requirement for a clean kill. Even with the minimum power standard of 500 ft./lbs., many wounded animals are going to travel quite a distance, even with good hits.

Most hunters have only one shotgun, and must accept its performance with buckshot,

good or bad. Generally, it will be very poor. I tested over a dozen shotguns before finding one that I felt was better than average, but it was still not exceptional in performance. A considerable number of buckshot loads were fired, and after this testing, my already poor opinion of buckshot had gone down several notches! I tested standard loads of 00, 0, No. 1, and No. 4 buckshot, and not one could be relied upon to put 500 ft./lbs. of energy into that 12" circle at 40 yards! The No. 4 buckshot load fizzled out at 30 yards, and the best performer of the lot at this range was the No. 1 buckshot load (about 15 pellets per shell), which averaged seven hits at this distance for a total of 763 ft./lbs.

A prime favorite, 00 buck, develops 138 ft./lbs. per pellet at 50 yards, and it might seem at first glance that this load would be satisfactory. However, the catch is that there are only nine pellets in the standard load, and to develop the required energy in a 12" circle, it would be necessary for four pellets to strike in this small area at 50 yards.

In my test, five shots with 00 buck at 50 yards resulted in not a single pellet striking the 12" target. Obviously, this is not too impressive. The top performer at 40 yards was the 0 buck, which has 12 pellets to the load. It averaged three slugs in the one foot circle at each pull of the trigger at 120 feet. At this distance, each pellet was developing 129 ft./lbs., which resulted in a total energy impact of 387 ft./lbs.—113 less than the minimum requirement!

As 00, 0 and No. 1 buck all gave adequate performance at 30 yards, but flunked at 40, I would have to say that somewhere around 35 yards probably represents the maximum effective range for buckshot, unless the shotgun is indeed an exceptional one. In my opinion 0 and No. 1 buck are the best choices, with little to choose between the two.

A single 00 pellet weighs 54 grains, while that of 0 buck weighs 48 grains, and a pellet of No. 1 buck weighs only 40 grains. These weights are comparable to various .22 slugs, but due to its greater velocity, even the .22 LR bullet has more energy than does a No. 1 buck pellet, and the Long Rifle round is a terrible deer load.

In reference to your own shotgun, I would

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say that its maximum effective range is that distance at which it will place four 00 or 0 pellets into a 12" circle. Should No. 1 buck be chosen, it should place at least five pellets into a 12" circle. If you will test your smoothbore with these standards in mind, I feel certain that any thoughts of 60 yard kills will soon vanish. Judging from my somewhat limited tests, I'd say that the Mark 5 Winchester buckshot loads are the best available today, but maximum effective range is only about 40-45 yards. There is simply no getting around it! Buckshot is a lousy way to kill deer!

Nor is a shotgun using buckshot appreciably safer than a rifle. Buckshot is, of necessity, a short range load, and it is generally used in thick, heavy cover where the field of view is seldom over 75 yards. However, with each pull of the trigger at least nine slugs are scattered over the countryside, and one

could seriously wound or even kill a fellow hunter completely out of sight and some distance away. With a rifle there is only one projectile, and the chances of being hit by a stray rifle bullet are about nine to one less than in the case of buckshot. Also, if a fast-moving rifle bullet strikes a limb, it will often go to pieces. Not so the buckshot; it merely ricochets off and goes on its way, still a menace to any hunter in the area.

With conservation a vital issue today, it seems strange to me that nothing has been done to legislate against buckshot. There is not one valid argument that can be submitted in its behalf, and if shotguns must be used, then the rifled slug is a superior load.

For myself, I would much rather have a .32-20—possibly one of the poorest deer loads ever made—for my deer hunting than the best buckshot gun that money could buy!

## CALLING ALL DEER

(Continued from page 29)

come in behind them high-tailed it.

Deer do not keep up a constant blating. They "say something" several times, three to six times, perhaps, then they browse a bit, then sound off again. Follow that pattern as you use the call.

To produce the proper sound, the first need is to put the right tension on the reed. It should be as loose as possible, yet still

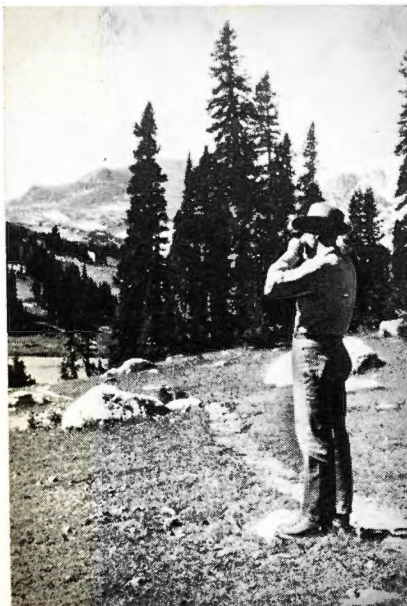
rut, they often charge headlong at the other buck. Several hunters have had bucks charge the sound so earnestly that only yelling and arm-waving shooed off the plunging deer.

Don't toot the call. The best way I can describe how to use it is to take a deep breath, have the call between lips, then let the breath out like a deep sigh. The tone will be stronger and higher at the beginning, and will taper off, very much like a deer as it bleats.

The sound made by the call is not loud. You'd figure it wouldn't carry a distance, but I have tested it on deer watched through binoculars. On a still day the sound carried ¾ of a mile! This was in the western mountains; the sound also carried in wooded, brushy, and high-grass country. Reports have reached me that tell of deer showing up after more than a full hour of calling.

Many times a prospective deer caller tries his call once or twice, then asks for help—or he might even claim that calls don't work. As in a great many other skills, you have to practice, and if everything else fails, try and read the directions that come with the call. Pre-season practice in areas known to contain deer not only will pay off when the hunting season opens, but the proper use of a call will also make it possible for you to get some startling deer photographs.

Nobody is going to shoo a big buck your way by any known method of deer hunting. With a modern adaptation of the old Indian call, you have a better than average chance to get your buck and you'll discover a way of hunting that has long been forgotten. If you don't believe me, why don't you try it yourself next season?



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produce a tone. The lower it is in tone, with flutter as part of it, the more it sounds like a buck. A buck, hearing another buck, is impelled to battle. In that season of the

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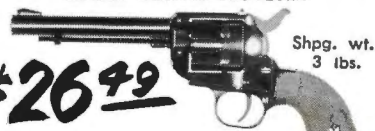
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## BEHIND THE OLYMPIC SCENES

(Continued from page 21)

is smallbore practice, which he usually does at 50 ft! There is no disputing the fact that Anderson's reasoning is backed by logic as he explains, "The change in cheeking pressure in big bore isn't as critical as in smallbore. Muzzle velocity is 2 1/2 times as great in .30 caliber so the bullet doesn't stay in the rifle as long as in .22 caliber. In big bore, all you have to do is hold and get the trigger off at the right time."

He considers "follow through" to be one of the most important of the mechanics of shooting. Through smallbore practice, where it must be exaggerated in comparison with big bore for the above reasons, follow through becomes automatic at long range. It has been said that the 25 year-old divinity student practices "inspired" concentration—such is the nature of his self-hypnosis.

Andy's luck was better at the Olympics than at the 1963 Pan-American Games where his rear action screws became loose, causing him to lose a point on each of his last three prone shots, to finish one point short of a World Record. This time, equipment was given the royal treatment as well as being custom tailored by the U.S. Army Marksmanship Training Unit gunsmiths.

His winning combination was a 40X Remington .308 with Hart barrel and a worked-over Remington 1/4 ounce set trigger. The left handed laminated stock was made by M/Sgt Raymond Behnay, USA (Ret.), to Anderson's specifications—cast off to the left at the butt and with the toe of the butt plate set 3/4" from his chest to compensate for cant. The Anschutz butt plate is rigged upside down to allow for wearing ear muffs, which shut out noise and induce concentration. Anderson used Anschutz sights, both front and rear. Only a slight trace of astigmatism mars his practically 20/20 vision. Depending upon light conditions, he wears either clear or grey Bausch & Lomb shooting glasses.

A subject of much speculation has been the load which Anderson shot so I'll give it to you straight: .308 ammo, 190 grain hollow point bullet with 39 grains Dupont 3031 powder in Remington cases. It was too windy to shoot the 168 grain load which he and Gunnarsson had planned to use! A lighter weight bullet is found to be more susceptible to the effects of wind currents.

In this same event, Gunnarsson duplicated his Pan-Am Team score of 1136, which was good for a bronze Olympic medal. In the process, he led Russia's Gerasimenok and Hollenstein by one point.

When Lones Wigger went on the line for the smallbore rifle prone event, he was armed with Jim Hill's rifle. Having proved to be one of the most accurate of all rifles, the prone stocked Anschutz carried Warrant Officer Hill, USMC, to the 1964 U.S. National Small-

bore Prone Championship. If it was to foster the highest code of good sportsmanship that the Olympic Games were originated, the unselfish gesture of the 1960 Olympic silver medalist (prone) in offering his rifle to Wigger is a vivid example.

Recognizing his good fortune, Lones maintains, "I had the best equipment in the world, prone." He does not like a thumbhole stock for the prone position, and prefers not using his position rifle for prone shooting. I inquired about the fit of the stock, considering the difference in physique between Wigger and Hill. "I built up the cheekpiece a little with a piece of cardboard so that it fit fairly well," he told me. He used Anschutz sights because he likes a large front aperture (made of metal rather than plastic), which affords more light around the bull and "keeps my eyes from tiring too quickly."

On the day of the smallbore prone competition, light conditions were somewhat unfavorable as it was so bright that seeing was difficult. When the 50 meter 3 position match was fired, skies were overcast, which was more conducive to obtaining a consistent, sharp sight picture. All International-type shooting is with metallic sights, where poor light, changing light conditions, or too bright rays can adversely affect scores.

Capricious wind conditions may require that one hold all around the clock to get a group. Each range has its own personality—that is, conditions and their effects differ. According to one shooter, "The wind talks to me." In a sense, that is true. Is there any doubt that the gentle breezes whipping in from 12 o'clock conveyed their message to Wigger on those two days in Japan?

With 76 competitors from 44 nations, the smallbore rifle prone event was the most hotly contested, and had the largest entry of all the shooting competitions. Visualize the 50 meter ISU (International Shooting Union) target with its .488 inch 10 ring and mere .039 inch X ring, to appreciate the achievement of Lazlo Hammerl of Hungary and Lones Wigger of Carter, Montana, who put 57 out of 60 shots in the .488 inch area for 597 scores, identical even to the number of X's (15). According to the rules of the ISU, the tie was broken, and the gold medal awarded to Hammerl, by virtue of having fired the better final 10 shot string with a perfect 100 to Wigger's 99. The former All-American rifleman from Montana State College would much have preferred a shoot-off had the regulations permitted it. Nevertheless, it was with humility that he received the silver medal and, with it, the co-holdership of both the Olympic and World Records.

"I was extremely lucky," Wigger said. "Twenty two shooters bettered or tied the previous Olympic Record (590 X 600). That

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shows how close the scores were running."

A single point behind the winners with 596, was the bronze medalist, Captain Tommy Pool of Groom, Texas. "Big Moose" fired an Anschutz position rifle with Western Mark III ammunition.

When Wigger hit 1170 in 3 position small-bore in practice, it was sensational! Gary Anderson's World Record was 1157 and the Olympic Record stood at 1149. If there were any gaps in his self-confidence before, they had vanished after that performance.

No one thought to tell the enthusiastic Japanese that rifle shooting is not considered a spectator sport in the U.S. What a novel experience it must have been for our competitors to shoot before an appreciative gallery! And, there was a great deal to applaud! In 3 position smallbore competition, Wigger's 398 prone equalled the World Record. Kneeling, he was three points over the World mark with 394. On his first two strings standing, he fired a 94 and an incredible 99. So, for the first 100 shots he lost only 15 points.

Such superhuman precision had to end somewhere. Even Lones did not realize what was happening, but he apparently became aware of the fabulous score which he had accumulated. With only three 10's on the third standing string, the reaction of his audience reflected their disappointment in a 91 score, and it would have been impossible for Wigger not to be affected by pressure. But, the way Wigger was shooting, a "6" on the last stage couldn't be anything but buck fever. He knew the shot wasn't perfect, but it got away from him. The audience gasped! Then, with the pressure off, the next shot was a 10. He finished up with an 88 for a 372 standing. Only four official scores ever fired have been better than this.

Lones Wigger's record-smashing 1164 is well known. Occurring on a day (October 20th) when the U.S. won no other gold medals, the shooting events finally got a "break" and were well publicized.

It was Lones Wigger who surprised those unfamiliar with the competitive shooting game. He had been called a "dark horse seemingly coming out of nowhere." But he was the first man in the history of the U.S. National Rifle Matches to win both the National Smallbore Rifle Prone and 4 Position Championships, which Wigger achieved in 1963, and this was obviously more than an unknown quantity!

Wigger used West German RWS R-50 .22 Long Rifle ammo in both rifles. All four American riflemen wore German-type leather shooting coats made by the 10X Mfg. Co.

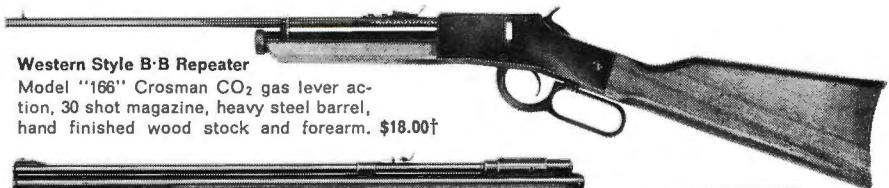
Gary Anderson's daily two to three mile run has been the subject of many lines of copy. But, little known was his dual purpose in training so diligently. Not only does it assist him in staying in condition, but it also slows down his pulse beat which, under pressure, is a real point saver. A couple of months prior to the Olympics he discontinued this form of exercise, as he does before any important event. (Continued on next page)

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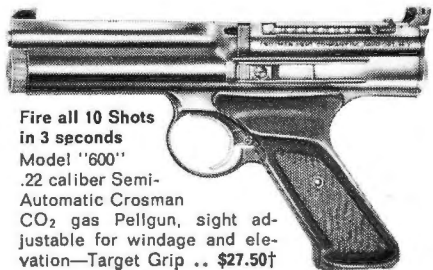
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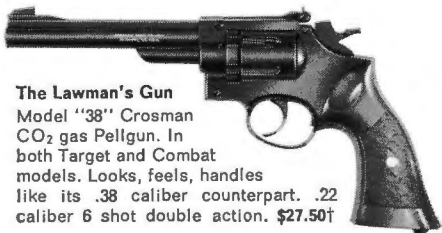
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U.S. Olympic riflemen practice moderation in their daily lives. Therefore, unlike the training diets of some sports, the important thing for the shooters was to *avoid extreme changes in diet or normal procedure*. "I don't eat on days of matches until after I shoot," Wigger explained. "After that, just whatever I like. No special foods." Smoking, for International shooters, is taboo.

In order to understand what has happened to Russian domination of the shooting sport, you must consider that the usefulness of the International rifle shooter is comparable to that of the race horse. There is but a brief span when either is physically capable of rendering peak performance. It is a matter of endurance with both. A 40 year old rifle shooter cannot be expected to hold up as well

under a six hour grind as a man in his twenties. Yet, experience is invaluable! Which brings us to the situation in the Russian camp. Many of their top shooters are approaching the age of "diminishing returns." Borosov, at 41, is considered too old. Russia, therefore, sent in promising young shooters as substitutes for the first string. It was a calculated risk which backfired, as the younger men were immature and inexperienced in world-wide competition.

"Just wait until '68," is the prediction from our team. "We caught the Russians in a rebuilding year—a transition."

All competitors displayed the high level of good sportsmanship which characterizes our expectation of Olympic contenders. A friendliness prevailed which would be difficult for

the diplomats of the various nations represented to even envision. The Russian coach congratulated Anderson and Wigger! Kveliashvili gave Anderson his mirage band as a gesture of friendship.

Lones Wigger has only praise for the Hungarian who captured smallhore gold and bronze medals. "Hammerl was a very gracious winner—and loser," he said. "I didn't feel that he was lucky, I thought he was an extremely fine young shooter. He showed me a lot when he ended the 3 position match in standing with three straight 10's to win third place. I doubt that he knew that I had already beaten him and won. As far as he knew, he was shooting a good score which could very well have been high enough to win the gold medal; his second, which would have been unprecedented. And, he still finished strong. He didn't fail to congratulate me as soon as he heard my score."

The results at Asaka, Japan, were not a by-product of any superior program offered in the U.S. Our MTU deserves much credit; however, the national program generally falls far short of that offered in most European countries. Rather, Wigger, Anderson, Gunnarsson, and Pool, through hard work and sheer determination, overcame certain handicaps—and successfully defied those predictions which underestimated their strength—to accomplish the greatest Olympic win in history.

The sun has set on the 1964 Olympics, and they are an important part of our shooting history. When the sun rises on the 1968 Olympics (which will be held in Mexico City), we can expect to see a U.S. shooting team bolstered by the successes of 1964, and more determined to show the world that this is truly "a nation of riflemen."



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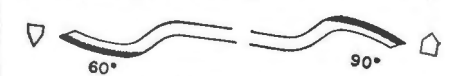


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# "I SHOOT THE MYSTERIOUS SPIW"

(Continued from page 17)

that no more and no less than three shots were fired. This counter was one of the most dependable parts of the rifles.

Each of the prototypes tested had the same basic characteristics, but each company had interpreted the requirements in a slightly different manner.

Aircraft Armament Industries produced the model which won the favor of most of the men test firing the weapons. The AAI looked like a light .22 rifle with a vertical fore-grip ala Thompson. The stock was made of wood, and it had the solid feel that the infantryman likes for a combat weapon. The magazine was a plastic drum which held 60 rounds in a spring loaded spiral. The grenade launcher was detachable, and was cocked by lever action.

Harrington and Richardson did not live up to everyone's expectations, and their prototype was unable to complete the testing due to malfunctions. The prototype utilized the old idea of "trounds" instead of rounds. These shells are triangular instead of round, and each "tround" held three darts which were fired through three separate barrels. The barrels could be adjusted to control the pattern of the shots. The rifle used a pistol-like cylinder to feed the trounds into the chamber. A three shot cylinder was used for the highly accurate grenade launcher.

Winchester provided a model which none of the men who participated in the test liked. It had a fiberglass stock, and fragile-looking metal parts. Like the AAI, the Winchester used a drum magazine. Although it was the lightest of the four tested, most testers agreed that it was too weak for combat duty.

Springfield's model was rapidly dubbed the "Mattey Mattel Special" due to its similarity to the toy guns of the same name. In spite of the jokes made about it, the Springfield was a very good rifle. It had a 60 round magazine in the stock which is actually composed of two 30 round magazines. The front half of the magazine was emptied first, then the rear half. The spent cases were ejected far back in the stock through a convertible ejection port opposite the shooter's cheek. A second trigger fired the grenade launcher.

When the tests were over, it was concluded that, at least, the dart was a deadly new concept in warfare. When it hit a human target, the dart is said to go in like a BB and come out like a .45 ball. Upon striking any object, the dart twists out of shape and tumbles. It has been estimated that if a person was hit on the ear lobe with one of the darts, it would take half of his head off.

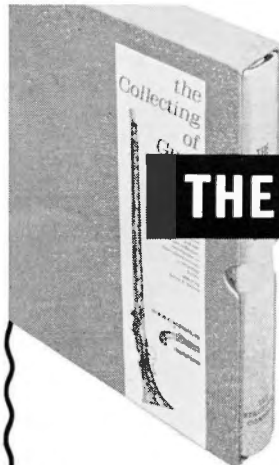
Nothing has been heard about the SPIW for nearly a year, and it is now doubtful that the Army will order even limited numbers of this rifle. There are too many problems which would have to be solved before the SPIW could become practical. The thin cases nearly always bend when they are ejected, and reloading is therefore impractical. When the sabot disintegrates, it creates a fine dust of fiberglass particles which tend to drift into the shooter's eyes. All of the models which were tested were light and short. A bayonet would be useless to a man armed with such a rifle.

The Army has realized for a long time that men in combat rarely aim their shots, and thus it was decided to settle on the three shot burst to increase the probability of a hit. This concept proved itself during testing, and it is not unlikely that the Army will come up with a standard rifle that will fire three shot bursts soon. It may be that the SPIW is dead—but you never know about the Army.

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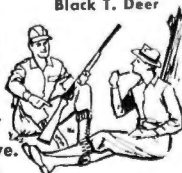
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(Continued from page 27)

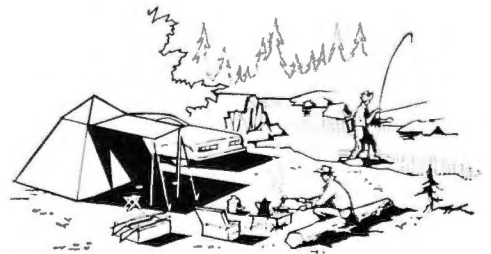
and in such a variety of odd angles that it became distinctly unpopular with members of visiting clubs. It must be admitted, however, that anyone who could break 25 straight from it had nothing to fear from a standard trap. About two years ago, the old trap was retired and a hand cocked regulation trap was purchased from the Edmonton Gun Club. This trap is still in use and probably will be for several more years. It is also the first item of property, belonging to the club, that was purchased for cash, everything else having been donated by members or other interested parties. So our invested capital at this point totaled the magnificent sum of \$25!

In the spring of 1961, we learned that our county had several old one room schools available. We immediately volunteered to take one off their hands, and after learning of our Junior Training Program, we were told that we could have one. We then applied to the town council for permission to leave it in the same location, with the title to the land reverting to the town. We only have squatters rights as long as the land is not in demand for other use, and this means that we don't pay property taxes.

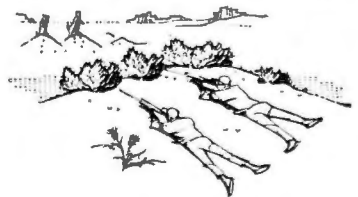
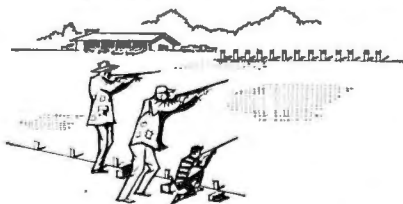
Again our members went to work with a will, knocking out partitions, boarding up

windows, and building an above-ground tunnel out of old railway ties, so that the existing 32 feet were extended to 20 yards. A hole was cut into the end wall to connect this tunnel with the interior and the tunnel was extended back to the firing line. Several loads of fill dirt were piled over the three layers of ties that form the end of the tunnel. This backstop is sufficient to stop any stray bullet that might miss the bullet trap.

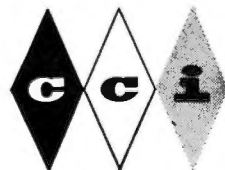
The bullet trap was another club project. A 2½ foot length of 16 inch pipeline casing was split lengthwise and stretched and pressed into a spiral. Then a heavy plate extension was welded on the outside edge. The bullets strike this plate and from there they spin down into the spiral. Sides and legs were welded on and as a test we fired several rounds of Sten gun ammo into it. This is a very high velocity 9 mm round used by the Canadian Army in submachine guns, and loaded to the hilt it produces about 1,500 fps. We figured that if the trap would handle this, it would handle anything we would want to shoot inside. The only result of the test shooting was a cascade of sparks as the jacketed bullets spun out of sight. They left no trace of a dent in the plate and we concluded that it would safely stop anything we



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would want to shoot into it. To date we have fired nearly 50,000 rounds into the trap and it shows no sign of stress.

We had gas and power hooked up, and were then ready to shoot in any kind of weather. Several mounted game heads and sets of antlers were donated, and members brought in some old easy chairs and sofas. Through a judicious bit of hinting in the proper places, a gas cook stove was donated, and with the addition of a coffee pot and cups, we have a very nice club house—again at little or no cost.

Since we have more expenses now, we do have utility bills, and we have raised our dues to \$5.00 annually, and we hold several ham and turkey shoots throughout the year. While we are working on the proverbial shoestring, we have no financial worries and we do get lots of economical shooting. A box of .22s costs a member 80c as compared to retail price of 90c. Our trapshooting costs us \$3.00 a round as compared to the usual price of \$3.25 for a box for 12 gauge loads. The club is making a slight profit on the ammunition at these prices, (about 2 per cent) and this seems to be enough to keep us going. Our bank balance at the end of our last fiscal year



amounted to roughly \$150, which will cover our expenses for at least the coming year.

Recently we tried something new—we held a game supper, with food prepared by the members. Each of us invited a friend or a prospective member. By the time the last of the roast goose, grouse, hassenpfeffer, and roast elk had disappeared, it was decided that the game dinner will become an annual event. Cost of the entire evening was \$2.00 per member.

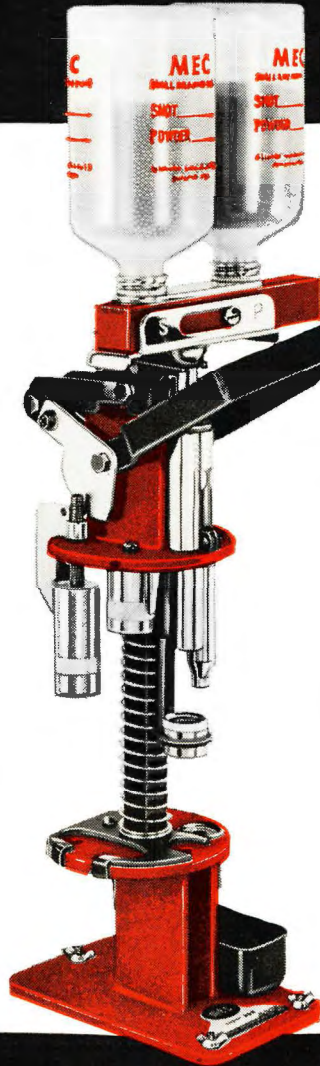
I admit that we were very fortunate in securing our facilities so readily, but I think that if you watch for opportunities you can get pretty fair equipment for next to nothing. We are slowly improving our ranges, and by using a little ingenuity and resourcefulness, it's amazing to see how much you can save. I doubt very much if our total cash outlay to date is as much as our present bank balance, but if we were to replace everything, costs would run to several thousand dollars.

Ours is no showplace, but you won't find a group of more enthusiastic shooters anywhere. Monday night you can always find most of the members either on the firing line, or sitting around the coffee pot. We may not have the best marksmen in the world, but we'll challenge any club to shoot more game than we do—in the time it takes to drink two pots of coffee!



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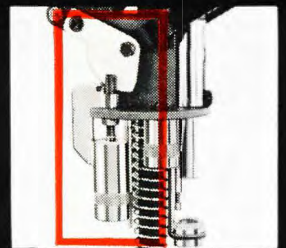
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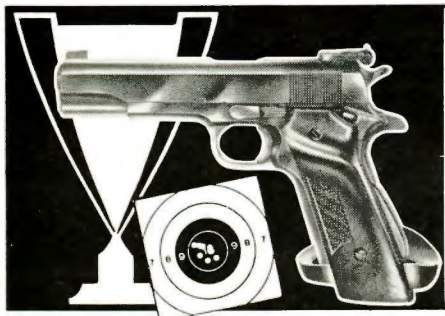
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**GAS-OPERATED .22 AUTOMATIC**

(Continued from page 25)

went into the effort, but he remembers it as plenty of work because he had to "fool around making all the operating parts weigh right and balance out." The result was a fine shooting pistol, and it must have been sturdy enough, for it and the Schuetzen rifle digested all 45,000 of those 1,450 fps loads.

The design still works. In 1961, 36 years later, Henry Behrens took the old gun apart, changed a spring or two, drilled out one hole and made it function with modern high-speed ammo. Satisfied, he can't resist saying, "Well, this is all right, but it isn't up to the old stuff—that was a real load."

Behren's pistol functions in a fashion familiar to many gun buffs now, but not so well-known in 1925. Like some more famous guns developed at the same time—the M-1 Garand, for example—Behrens' pistol taps off gas at the muzzle into a piston-like valve, the stem of which raps an operating rod running through a tube on the under side of the barrel.

An operating rod extension, running in the wall of the receiver, first cam-unlocks the bolt, then carries the whole bolt-assembly to the rear. This compresses a short return spring behind the bolt which then operates to throw the bolt back into battery, stripping a round into the chamber as it goes. The spring-loaded locking lug pops up into its recess in the top of the

receiver at this point.

Behrens believes in an outside hammer, although in this design, it complicates matters considerably. The cocking occurs, of course, as the bolt recoils. All this machinery, however, means a long, long strut to hitch the trigger and sear together. Give or take a detail or two like this, the design is nicely up to date in the mid '60s. Behrens likes the simplicity of the gas valve.



The pistol is a big package. With a 6½" barrel, it has a loaded weight of 46 oz., complete with a 15-round magazine. Like all but two of the hundreds of guns Henry Behrens has made, this 1925 gas-operated semi-auto carries no identification. Anyone who has looked at many Behrens guns would recognize it. It is solid, it feels good, and it shoots well—those are Henry Behrens' trademarks!



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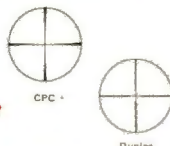
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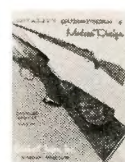
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# HANDLOADING BENCH

By KENT BELLAH



**H**ERCULES INTRODUCED three new, improved "RelodeR" rifle powders early this year, each formulated for top performance. They supply free data. RelodeR No. 11 is excellent for the .222, .223, .30-30 and .308 Win. class of cartridges. This double-base type should increase bore life with perfect ignition, lighter charges and superb uniformity. The short perforated kernels meter beautifully. The black kernels are mixed with a few red and green ones, no doubt for identification only. We picked out a few for a .222 charge that grouped with unsorted powder and no indications of more or less pressure.

For the .308 Win. with a 150 gr. bullet Hercules lists 44.0 grs. at 2850 fps. That's higher velocity than you get with 46.0 gr. 4064, or 53.0 gr. of 4350, that are Speer's maximum loads. There is an advantage in using less powder that meters better. The Hercules load put three shots in under 1.0" at 100 yards, not from a bull harrel target rifle, but from Remington's very light, short Model 600 carbine! We used Federal cases, Speer bullets and CCI 200 primers with a Weaver K-10 scope. Charges were thrown with an RCBS measure with the small drum, and checked for weight that ran 43.6 to 43.9 gr., quite uniform for this weight charge.

In our M94 Winchester .30-30, the Hercules charge of 30.5 gr. with Speer's new 170 gr. bullet grouped better than any other load we have used. It's listed at 2200 fps.

Hercules lists 23.0 gr. for a 50gr. bullet at 3250 fps in a .222, a very fine load. With Speer's 52 gr. H.P. bullet and CCI 400 primers in Remington cases we got groups under 0.75" for 5 shots at 100 yds, with 22.0 and 23 grains RelodeR No. 11. Our best load was 21.0 gr., that gave better accuracy than any we have fired in a light Sako Sporter with Weaver K-10 glass. The slim, trim tube wasn't intended for long strings. With a cold, fouled bore the first 4 shots cut a 0.31" hole that I had to examine to believe. Two more shots enlarged the group, perhaps partly due to a changed hold, but all 6 would have hit a dime! We got about equal accuracy with both CCI 400 and 450 Mag-

num primers. After more tests I'll report on any difference in velocity spread, to determine the best primer.

This load is mild but it clobbers varmints to 250 yards or more. For more Plop! on varmints add a grain or two more powder. My 21.0 gr. charges were thrown in a SAECO measure with a Pistol Drum that has long been set for 20.5 gr. 4198 for a .222, or 23.0 gr. 2400 for .44 Magnums. Ten charges weighed 21.0 to 21.1 gr., more accurate than most chaps weigh charges. These drums are extremely accurate for pistols or small rifles. We keep several set for charges we use often. It speeds loading to switch set drums and eliminates scales to check the setting or charge. Our old drums have been left set for over 15 years and have held the original setting perfectly.

SAECO's Micro-Setting measure is just as convenient with Rifle Drums, for large rifles. The advantage is for "fixed charges," that can be changed when desired, and efficiency. They do not have any accuracy advantage over the SAECO Micro-Setting drum, that is fast and easy to adjust. The Pistol Drums do have an accuracy advantage for pistol powders or small rifle charges.

RelodeR No. 7 is for older rifles in the ".30-30 to .45-70 class." RelodeR No. 21 is for ".30-06 class" rifles, such as a .243, .244, .220, .250 Savage, .257, .264 Win. Mag., .270, .303 British, .280 Rem., .300 H & H Mag., or the .30-06. We'll report on these when our tests are complete. I'll bet my custom .300 Apex against a shotgunned Stetson that they perform as beautifully as other famous Hercules canister grade powders. HiVel fans called it Black Friday when Hercules recently discontinued this powder that made the .30-06 International Match load famous. The new RelodeR line is better and more versatile.

Hercules 2400 made the famous .357 Magnum possible in 1934. It was, and still is, the best heavy-duty caliber for any beast that should be handgunned. It has an enviable record for clean kills on big bear and moose that are really too large for any handgun. My friend, Bill Blevins, used one 2400 load

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in a .357 to bag a big Alaskan bull moose. You can't make him think a .357 is too light. I've used it to bag many deer and black bear cleanly. For this game a .357 is good for longer ranges than most chaps can place a hit accurately. This powder has accuracy that equals "the world's most accurate centerfire rounds," the .38 Special target loads. And .357 guns take .38 target loads, that will bag more small varmints and game because you can shoot them better at normal handgun ranges.

Bullseye has won more pistol matches than any other powder. It's tops for standard loads. Unique is identical, but slower for higher velocity. Red Dot is a famous favorite for target and light shotgun loads. It has powdered train loads of clay pigeons. Any misses were probably due to factors other than the powder. Green Dot is a new Hercules powder for light and moderate 12 bore loads. Herco is for heavy and magnum shotgun loads.

Hercules canister powders are the least variable of all components in lot to lot, or shot to shot. Some Hercules pistol powders had been stored nearly 18 years near a tin roof, with high temperature and humidity during Texas summers. In our tests, velocity duplicated fresh lots! Variation is so small we never list lot numbers in our data. Hercules, an honored name in this country and abroad, has made hundreds of non-canister powders for factory ammunitions.

Many chaps want shot loads for the .45 ACP. Factory "riot" and "survival" loads were poor indeed. Runt cases are too short for decent shot loads, but I've solved the

problem. Use a .45 Colt charge, 6.5 gr. Bullseye in a .45 ACP or Auto Rim case. Seat a ¼" felt wad over a thin card wad with about 10 pounds pressure. Chamber the shell and add 150 to 185 gr. of shot. Seat a thin over shot wad in the chamber. Don't seat it too hard or the cylinder won't revolve. You can make a wadcutter punch about .005 over throat diameter, or about .460, to hold against recoil. This wad has to drive through a .443 bore, and a thick wad will give excessive pressure. About 8.0 gr. Unique may give better patterns. Wonder why someone didn't think of this idea before?

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## THE M700 RE-EXAMINED

(Continued from page 37)

the shooter that was admired in the older 721 model. It also retains, basically, the 721's bolt which is light, but very, very strong. The receiver and bolt assembly remain substantially unchanged from the earlier models. Double locking lugs provide the extra strength for modern, high velocity loads. The bolt handle itself is swept back to place the knob in correct relation with the trigger. The top and bottom surfaces of the oval-shaped knob are sharply and deeply checkered for easier gripping. The extractor,

For a change, a safety has been designed that glides quietly "on" and "off" without a loud, crisp "snap" to alert and scare varmints and other game. Both the bolt and trigger are locked when the safety is engaged. The entire action is noticeably smooth in operation. The single-stage trigger breaks cleanly without a hint of creep, and is screw-adjustable from two to six pounds with a sharp crisp let-off at 2½ pounds, coupled with an exceptionally short movement.



Recent use of the M700 in the field has proved its value as varmint.

which I am told was a cause of some complaint in previous Remington models, has been beefed up so that it has a more positive action and more rugged strength. The safety is of the two-stage variety and is conveniently located for efficient operation with the thumb, whether you're wearing gloves or not. This pivoting side safety has a thumbpiece of improved shape in the form of a short, sharply grooved rectangular bar.

The 700 has appealing stock lines. It is basically the stock on the Model 725 with many refinements. The rear tang has been streamlined; the trigger has been moved back about ½ inch; the fore-end, rectangular in cross-section, is of an adequate fullness. The buttstock is made extremely light and straight to reduce muzzle jump on this light rifle, a tribute to Remington's engineers. In general, the stock is a marked



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improvement over earlier types, and obviously one that has been designed by experienced craftsmen. It gives superb balance, natural shouldering, and its Monte Carlo comb and checkpiece gives perfect alignment with a scope (hunting or target) or open sights.

The checkering is the obverse of what we usually call checkering. Instead of being raised, the diamonds are depressed. The stock is one of the best designed ever put on an American factory produced rifle, as a result of some wise and judicious consultation with some of the nation's best custom stockmakers. The 700's design is entirely new and the best that can be commercially produced. With the introduction of the 700, an American firearms company has managed to turn out a stock with a grip circumference that's right for the average hand. The pistol grip is slender enough, and is placed properly, so that it really contributes to a good trigger squeeze and aids the shooting arm in absorbing some of the recoil. Perhaps no other type of rifle shooting demands as much from the rifle as varmint shooting. It requires, among other things, a good comfortable stock—one that you can lay hard into, and one that feels as though it were a part of your body.

I have only one objection to the new 700 series rifle and this is very minor; the stamped obverse checkering on the stock is unique and looks attractive, in addition to adding that custom touch, but unfortunately it becomes extremely slippery in wet weather and with sweaty hands on a humid day.

As I said, these were my impressions and test results when I first received my test rifle, back in 1962. Now, after several years

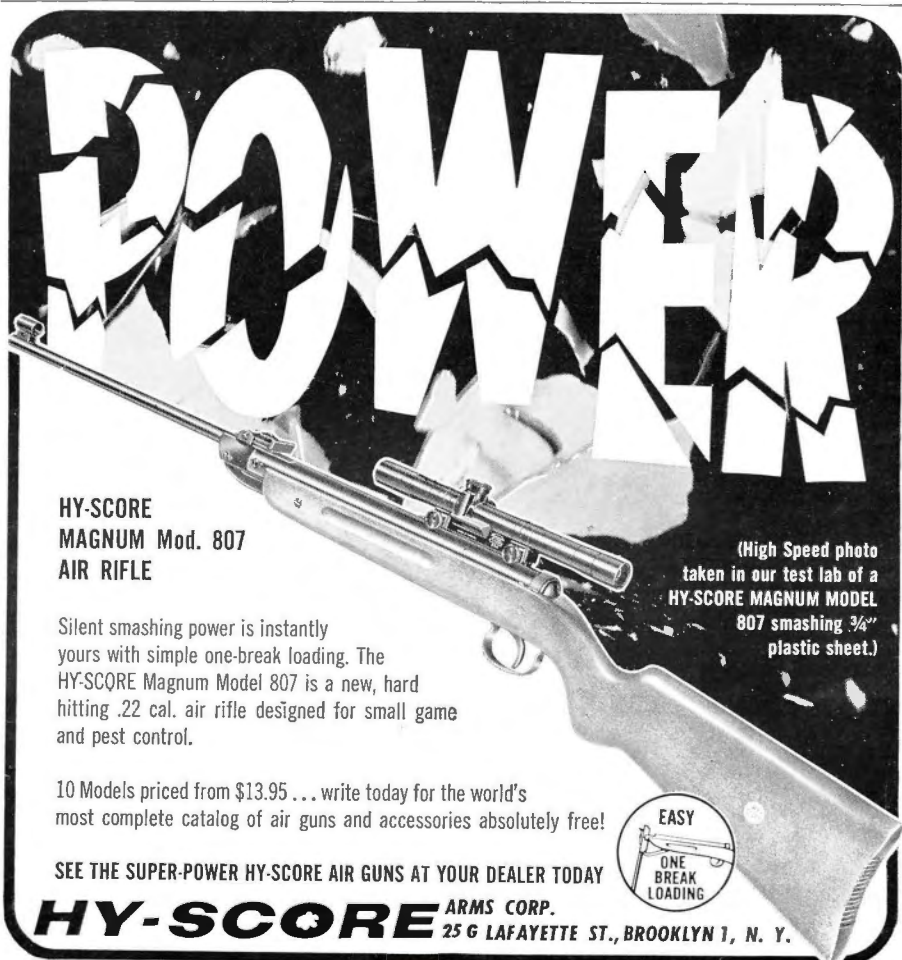
of shooting it, has my opinion of the Model 700 changed? No!

Recently, I took my 700 on a Western states varmint safari, and had no difficulty shooting 5/8" groups with it, or bagging all types of varmints, from prairie dogs to coyotes, at 250 yards, which is close to the maximum range for the .222 Remington.

Before starting out on this safari, I tested a variety of loads for accuracy. The best target load was 20 grains of 4198 behind Hornady's 50 grain SX spire point bullet. My normal loading of 21 gr. of 4198 and the same bullet was too potent on varmints. I finally settled on 20.5 grains, which worked well on all of the game we hunted.

I am still convinced that the 700 is an excellent over-the-counter rifle for the varmint shooter. It has custom features at a hardware store price tag. If you want the lowest cost ready-to-go varmint, the 700 ADL, at \$119.95 is your ticket; if you can afford to go to \$144.95, you'll get many added features on the 700 BDL. By the way, since it was introduced, it appears that some others had trepidations about the 20" barrel on the .222 and .222 Magnum rifles, for these now sport a 24" tube.

For those varminters who want something just a bit more special than the BDL, Remington is now offering a custom version of the Model 700 that looks for all the world like the finest of custom rifles. In addition, they are offering the 700 in a new varmint caliber, the once-wildcat .22-250. Although I've grown fond of the .222 Remington cartridge, I come down with a malady that can only be cured by the purchase of a new rifle, and the 700 in .22-250 may be just what the doctor ordered.



# POWER

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(High Speed photo taken in our test lab of a HY-SCORE MAGNUM MODEL 807 smashing 3/4" plastic sheet.)

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EASY  
ONE  
BREAK  
LOADING



# GUN RACK

(Continued from page 9)

## Riding Chaps

Those of us addicted to big game hunting and pack trips can now have a pair of chaps that are water and snag proof, that roll up and weigh very little, and best of all, they don't cost even a fraction what a pair of leather chaps would set you back.

Our good friend Clyde Ormond tipped us off about them. Made in one size to fit anyone built near standard dimensions, the chaps have amply wide legs so that they will slip over heavy hunting boots, and they come complete with a belt that will ride comfortably. Best of all, they come off easily, an important consideration when you have to pile off a horse for a fast stalk. You have your choice of black or yellow, and the chaps cost \$4.50 per pair plus 50 cents for handling and mailing. Send your order to Darold P. Stromberg, S&S Tent & Awning Co., Box 91G, Idaho Falls, Idaho.

## Echo Dies

For some months we have been using a set of Echo dies in caliber .30-06. The dies are very well finished and have done a fine job for us, both in full length sizing and in neck sizing. One feature of these dies which we found especially noteworthy is the double ring locking system. Instead of the conventional single locking ring, these dies use two rings which lock not only against the press but also against each other, thus making it virtually impossible to move the die setting inadvertently. Once the rings are tightened down by hand, they are locked in place with a special open end wrench that comes with the dies.

We liked the box the dies come in. Die storage can become a first rate problem when

space is at a premium, and as yet we have been unable to find a cabinet that has drawers which are high enough to house our dies. The Echo dies come in a sturdy cardboard box with cut-out plastic foam liner that keeps the dies in place and prevents their rattling around in the box. Echo dies are made by the E. C. Herkner Co., Box 5007G, Boise, Idaho.

## Meat Sacks

The meat sacks so often sold by guides and outfitters are nothing more than very thin cheesecloth and more than one has given up the ghost while the meat was being packed into it or while the load was being packed out. Ellwood Epps, shooter, hunter, and sporting goods store operator in Clinton, Ontario, Canada, has some dandy sacks that are rugged and which he guarantees will not heat the meat—even freshly killed game. Weighing two pounds and measuring 15 inches square when folded, the Big Game Bags are made from wax-treated, dirt and fly proof, porous kraft-crepe paper. Best of all, they are large enough so that each sack will hold 4 quarters of any north American big game animal and the pack, containing four sacks, costs only \$3.00. By the way, Epps offers a very complete catalog for only \$1, and there are lots of items to be had which are hard to find over here in the States.

## Safety Grip

This is one of the simplest and also one of the most fool-proof safety devices for DA revolvers that has ever come to our attention. Made of a tough plastic, the grips are comfortable to handle, and the nylon safety strip is easily reached by the shooter's thumb. This safety slide, in the safe position, is moved

into the direction of the hammer and is locked in place there. Since the hammer is now locked and cannot be cocked, the gun is safe, and when the safety is unlocked by the thumb and overcomes the detent, the hammer can be cocked again. The grips themselves conceal the hammer, an important feature for law enforcement officers who carry concealed guns. In our tests we used an S&W Chief's Special, and found that the grips, though bit larger than the stocks we normally have on the gun, permitted just as easy a draw and the safety functioned perfectly each and every time. The Safety Grip retails for \$6.95, is made by Safety Grip Corp., Box 456G, Riverside Station, Miami, Fla. By June of this year, the grips will be available for a number of Colt and S&W guns.

## Gloves

By the time you read this report, you won't be concerned with keeping warm, but you might keep these gloves in mind for next season. Edmont, Inc., produces a number of types and styles of gloves, some for industrial use, and several pairs for shooters and hunters. The gloves are sold through hardware and sporting goods stores, and two of the hunting gloves we have been using are insulated—as a matter of fact, the insulation is so good that you'll soon get too warm in them. We especially liked the three finger mitten, and these gloves come in the new safety orange-red that is visible for great distances. Edmont also makes a pair of lightweight, plastic and fully ventilated trap and skeet gloves that appear



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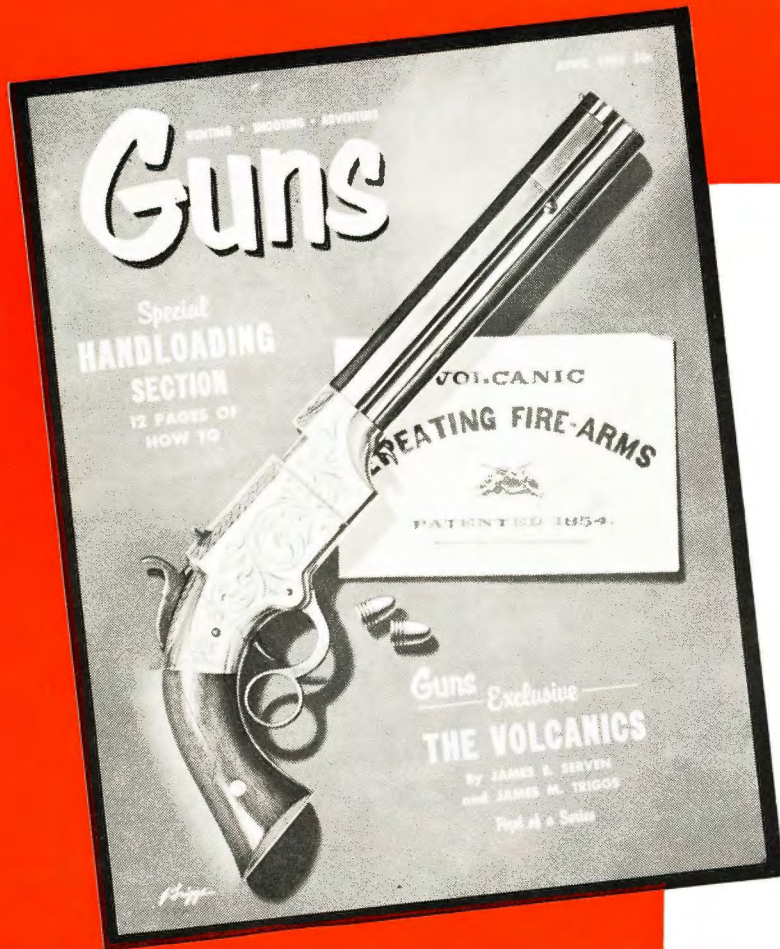
<p><b>MANNLICHER CARCANO CARBINE</b> <b>\$12.95</b></p> <p>36" overall, extremely light weight—under 7 lbs.—Good condition. Can be used "as is" for hunting. Cal. 6.5mm</p>	<p><b>SPRINGFIELD BOLTS</b></p> <p><b>NEW!</b> Altered for scope. New condition \$3.95. Include 40¢ postage. Issue bolts 99¢ each + 40¢ postage. 6 for \$3.00 + \$1.00 postage.</p>
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<p><b>NRA Good CAL. .22 SINGLE SHOT RIFLES</b> <b>\$9.75</b></p> <p>Assorted European and U. S. manufacture, including P. N., Simpson, JGA, Victor, Lithgow, Winchester and Remington. Supply Limited. Please give 2nd and 3rd choice. Special Match grade .22 l. r. ammo, \$6.50 per carton of 500.</p>	<p><b>NEW COMMERCIAL BARRELS</b></p> <p>Made by one of the world's largest "Button Rifle" barrel makers <b>ONLY IN THE WHITE</b> <b>For MAUSER '98 in these calibers: \$1495</b> .364 WIN. MAGNUM • .270 WIN. • .308 WIN. • .308 NORMA MAGNUM • 30-06 SPRINGFIELDS and 7mm REMINGTON MAGNUM. plus 90¢ ppd. Barrels: Unthreaded and unchambered, calibers 264, 270, 243, 30 and 7mm. Each \$13.50 plus 00¢ ppd.</p>



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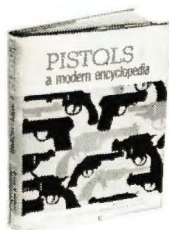
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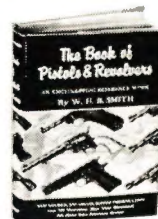
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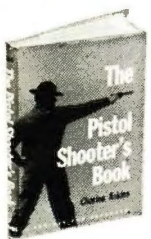
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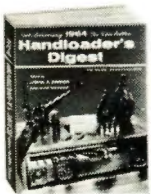
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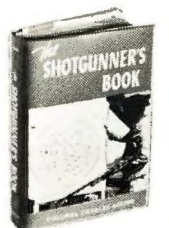
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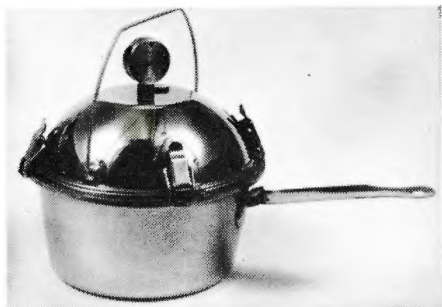
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# SHOPPING

**FREE DAISY** catalog, showing their complete line of BB guns, shooting sets, and CO<sub>2</sub> guns, is now available on request. This 12 page catalog includes special sections on the Daisy "Spittin' Image" guns and articles on learning to shoot and where to shoot. This pocket size catalog is available from your Daisy dealer or direct from Daisy Mfg. Co., Dept. G-6, Rogers, Ark.



**FIRST PORTABLE** pressure cooker on the market for campers, hunters, etc., the Hot Pot has a 2 qt. capacity and weighs only 2½ lbs. Utilizing the pressure principle, it cuts cooking time up to 80 per cent, and is ideal for preparing dehydrated camp foods. The Model 880 is priced at \$34.50 complete. Full details from Stow-A-Way Products, Dept. G-6, Cohasset, Mass.



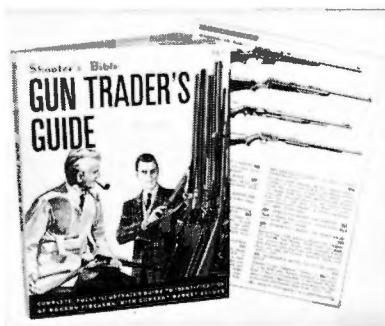
**COLORFUL** new catalog from Federal Cartridge Corp., Dept. G-6, 2700 Foshay Tower, Minneapolis, Minn., describes all Federal ammunition and reloading components, including the new Federal plastic shotshells. The catalog includes complete ballistic tables for rifle, shotgun and handgun ammunition.



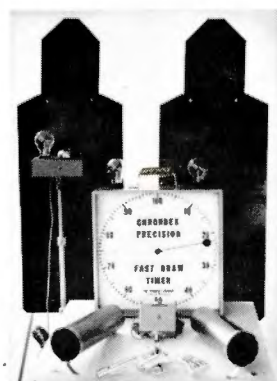
**COUNTRY COPPERS** are reproductions made of solid copper from authentic woodcuts or engravings. These 10"x8" displays sell for \$8.95 each plus \$3.75 for handsome colonial frame. Guns available are the Springfield (above), Colt Cloverleaf, Over-Under flintlock, needle gun, and Colt Paterson. Free brochure showing all Country Coppers is available from Gages, Dept. G-6, 29 N. McCamly St., Battle Creek, Mich.



**SAVAGE MODEL 340** bolt action rifle is now available chambered for the new .225 Winchester cartridge. Designated the Model 340-V, this rifle features a special stock with checkered pistol grip and fore-end and white line grip cap and butt spacer. The retail price of the 340-V is \$74.95.



**A NEW EDITION** of "The Gun Trader's Guide" by Paul Wahl is completely revised and modernized. This book lists over 1,500 guns—modern and old, foreign and domestic—and gives the current market value of each. The book is 8"x10" and contains 192 pages, most of them illustrated. This new edition is at your dealer now at only \$3.95.



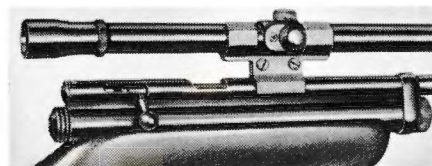
**FAST DRAW FANS** have available a new electronic timer, the Model FD-70, made by Chrondek Electronics, Inc., Dept. G-6, Box 131, La Verne, Cal. This compact timer can be used for all fast draw events, and was chosen as the official timer for the Colt-Sahara national contest. Featured are a 14 inch clock, internal sound pickups, and optional random starter. Full details are available on request.



**COWICHAN** sweaters are individually hand-made of natural, unbleached wool, by women of the Cowichan tribe of British Columbia. Each sweater has full length zipper and big shawl collar. Men's and women's sizes are \$49.50; children's sizes are \$34.50, postpaid from Norm Thompson, Dept. G-6, 1805 N.W. Thurman, Portland, Oregon.



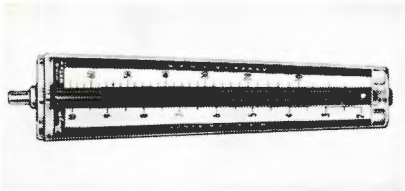
**RICHLAND ARMS CO.** has just introduced their new .44 caliber cap and ball dueling pistol. Imported from Italy, these pistols are authentic copies of the famous old time dueling pistols used in the early 1800's. Select Italian walnut stock is artistically hand checkered and polished. The hammer, trigger guard and butt cap are made from brass and are hand engraved. The 8¼" barrel is rifled. Priced at \$36.00, from Richland Arms Co., Dept G-6, 300 Adrian St., Blissfield, Michigan.



**TWO MODELS** of the new Crosman Master Mount and Superscope have recently been introduced by Crosman Arms Co., Dept., G-6, Fairport, N.Y. The new scope, which includes the mount, may be installed on all Crosman BB and Pelgun rifles, using only a screwdriver. The Model 499 fits Crosman's new Model 99 rifle; Model 410 fits all other Crosman rifles. Suggested retail price is \$9.98.



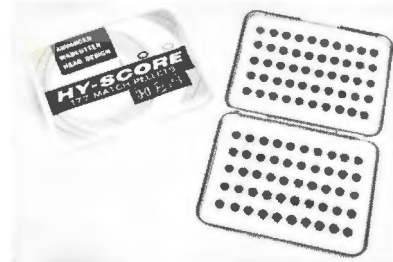
# WITH Guns



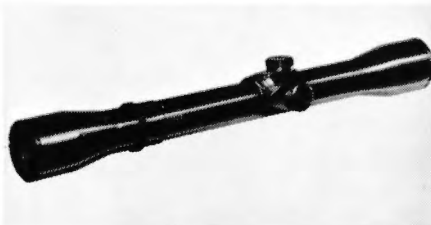
**HANDY, POCKET SIZE** wind meter, manufactured by F.W. Dwyer Mfg. Co., Dept. G-6, Michigan City, Indiana, gives both high and low velocity wind readings. By holding meter at eye level with back side toward the wind, it gives readings in the 2 to 10 mph range. When hole in top is covered, readings are in the 5 to 65 mph range. Price is \$4.95, at your local dealer.



**ALASKA** red-green plaid shirt is completely washable, yarn dyed 100 percent pure wool, permanently mothproofed. Nicely finished with whipstitched buttonholes and tightly secured buttons, buttoned cuffs, convertible collar. Neck and shoulder yoke are completely lined for comfort, and shirt is cut straight across bottom, jacket style. Tailored for trim, comfortable fit. A treasured gift. All sizes, including XXL, \$12.95 Post-paid. From Alaska Sleeping Bag Company, Dept. G-6, 334 N. W. 11th Avenue, Portland, Oregon.



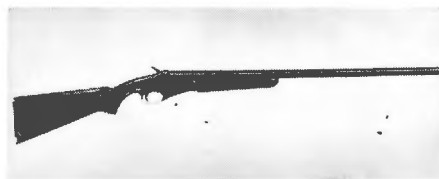
**MATCH WADCUTTING** pellets are now available for the serious target shooter from Hy-Score Arms. Dept. G-6, 25 Lafayette St., Brooklyn, N.Y. These 8 grain pellets feature an advanced wadcutter head design and lengthened skirt to improve flight characteristics and guarantee the shooter perfect scoring and superior accuracy. The pellets are available in .177 caliber at most sporting goods stores.



**WESTERN MK III** riflescope, made in the U.S., features 1" blued steel tube; color corrected, shock mounted optics; internal adjustments. Available in 2½X at \$14.99; 4X at \$15.99, or 6X at \$16.99. A Western scope mount is priced at only \$1.95. Order from Western Optics, Inc., Dept. G-6, Solana Beach, California.



**THE FIRST POWERED** zoom scope on the market is now available from Kalimar, Inc., Dept. G-6, 2644 Michigan Avenue, St. Louis, Mo. The Kalimar Zoom Scope operates on four pen-lite batteries to adjust magnification power from 2½X to 8X, electrically with the push of a button. The scope weighs only 44 ounces complete with batteries and features a slow/fast zoom speed switch. The Kalimar scope will retail for under \$200.00 complete with leather carrying case.

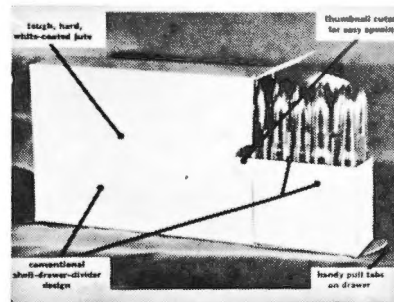


**NEW STEVENS 95** single barrel shotgun features push button release on side of frame; one piece frame and trigger guard with modern lines; unique fore-end, deeply grooved for firm grip. Made in 12 gauge only, chambered for 2¾" or 3" shells, with 28" modified or 30" full choke barrel. Retail price is \$28.95.

THE 1965 catalog, covering Redding-Hunter's full line of reloading equipment, is now available from Redding-Hunter, Inc., Dept. G-6, 114 Starr Road, Cortland, New York. This free catalog clearly illustrates and describes their complete line of reloading tools and equipment.



**NEW NO-SLIP** rifle recoil pad, designed by Mershon, Co., Dept. G-6, 1230 S. Grand Ave., Los Angeles, Calif., offers more exposed gripping surface with the addition of an improved serrated surface divided into four rows. The new design holds the rifle in natural shooting position by gripping to the shoulder horizontally as well as vertically.



**AMMO CARTONS** for reloaders are available for rifle, shotgun, and handgun cartridges. Accurately cut and creased, they are made of tough, white coated jute board for long, hard service. Shotshell cartons are \$1.00 per 10; rifle and handgun cartons are 5 for \$1.00. Made and sold by Idaho Target Co., Dept. G-6, Box 233, John Day, Oregon.

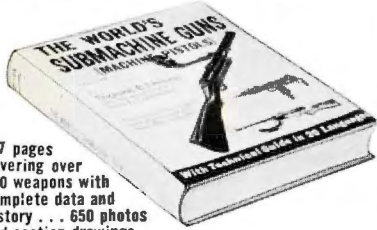
**SMALLBORE** shooters can now purchase separate barreled actions for the Winchester Model 52-D bolt action target rifle. The barreled actions are available with either standard or heavy barrel, and are drilled and tapped for sights or scope blocks. Price of the barreled actions is \$119.35, and they are available at your dealer now.



**MOSSBERG Model 385K** bolt action shotgun in 20 gauge is now chambered for all 2¾" and 3" shells. Double locking lugs provide added strength for magnum loads. The Model 385K is equipped with Mossberg's exclusive C-LECT-CHOKE, ideally suited for shooting regular shot, buckshot, or rifled slugs. The genuine walnut Monte Carlo stock features a hand rubbed finish and rubber recoil pad. The Model 385K is priced at \$44.95 in the U.S.



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**GUN OWNERSHIP STANDS ACCUSED**

(Continued from page 19)

quarter of a century. They are undoubtedly stamped out of the same dough as the people who thought Prohibition would quench a craving for alcohol. or that shuttering the acknowledged cat-houses would stamp out sex . . .

"In New York City, the nation's most stringent anti-gun laws have had no per-



**Congressman John Dingell**

ceptible effect in keeping guns out of criminal hands. . . When you read about a bloody gang rumble, or a cop getting bumped off in the line of duty, the bad

Indians weren't using bows and arrows!"

Another cogent voice in our favor is that of Congressman John Dingell, whose letter to the "19th Hole" department of "Sports Illustrated" included the following:

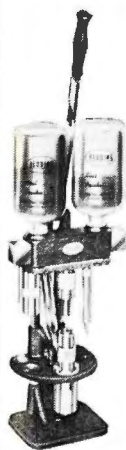
"The record shows that areas with the most stringent firearms registration laws, such as New York, frequently have the highest incidence of crimes of violence, including those perpetrated by firearms. Conversely, the areas which have no firearms registration statutes frequently have the lowest incidence of crimes involving firearms.

"I know of no legislation before the Congress . . . which would have prevented the tragic death of President Kennedy. The gun which shot the President could have been acquired at a police auction, in a pawnshop, from a local wholesale or retail outlet, through theft from a federal or state armory, by importation, through inheritance, by borrowing, by burglary of a store or home . . . etc."

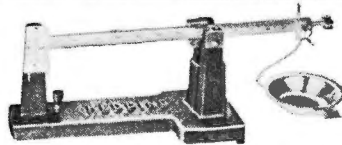
New Jersey State Senator Robert C. Crane is also a writer with worthwhile things to say about firearms legislation. In an article published some time ago in Field & Stream, Crane makes a point we have been making ourselves—that sportsmen must get into politics:

"Few sportsmen and sportsmen's organizations know anything about politics or politicians. How many invite candi-

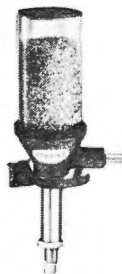
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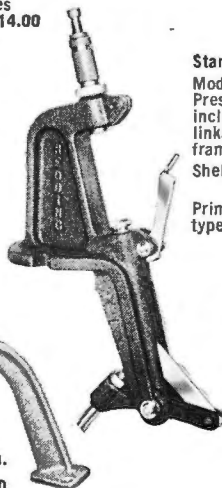
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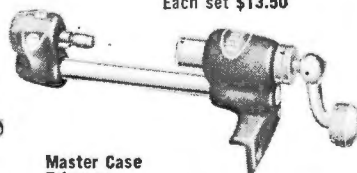
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dates to their meetings, listen to their points of view, give their own in return, or hold politicians to their promises?

"I have never yet been invited to attend a 'candidate's night' sponsored by sportsmen. I believe such give-and-take meetings would put the brakes on a lot of miserable legislation, would make candidates realize that sportsmen are solid citizens, not the irresponsible fanatics the anti-gun people make them out to be."

More often than many realize, strong voices speak for us also in the legislative halls throughout the land. For example, the following news item:

"SANTA FE, N. M. (AP)—The House adopted a memorial Friday asking Congress not to enact laws restricting mail order sales of firearms. Representative Fred Foster (D., Grant Co.) who put the memorial on passage, said halting the sale of firearms by mail would not stop gangsters from getting guns."

And in the House of Representatives in Washington, D. C., with none of the fanfare by press and air media which have accompanied anti-gun speeches, but with an eloquence that will be applauded by millions of hunters, shooters, and shooting sportsmen throughout America, Congressman Robert Casey of Houston, Texas, spoke as follows:

"Mr. Speaker, I ask this Congress to stop the harassment of the legitimate gun owner and, instead, to open war on the illegal use of firearms by the criminal preying on society!

"I introduced legislation today to set a 25-year mandatory Federal sentence for anyone guilty of using or carrying a firearm during the commission of a robbery, assault, murder, rape, burglary, or kidnapping. We in Congress can swiftly enact a model program of crime control for our own crime-ridden District of Columbia, and one of my bills pertains solely to that. The second bill invokes the authority of the interstate commerce clause and pertains to the nation as a whole.

"The criminal, Mr. Speaker, is the cause of the problem facing our nation today—not the sportsman, the gun collector, the decent, law-abiding citizen who happens to own one or more guns. And it is this problem that we should attack.

"There are pending before Congress proposals calling for registration of all guns, and I tell my colleagues now that this is a completely ineffectual way to strike at the problem of illegal gun use. I see little need to further harass the legitimate gun owner when the problem is caused by the criminal, most of whom are repeat offenders often using stolen weapons to commit a crime.

"Mr. Speaker, no man in his right mind can expect a criminal planning a robbery with a stolen gun to register the weapon with Federal authorities, or to be alarmed because he has not done so.

"Here in the District of Columbia, as over the nation, the problem of illegal gun

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use has been severely aggravated by extreme laxity on the part of the courts in meting out punishment to violators. The time has come to meet this problem head on, and to take from the courts the power to turn loose on society the second and third offenders to continue preying on our citizens. My bills leave the courts no discretion in sentencing the guilty, and I think this will go a long way toward solving the problem.

"How many times, Mr. Speaker, have we sat idly by and watched the courts repeatedly turn loose these vultures to continue preying on society, while the hue and cry mounts against those of us who happen to like to hunt, and who happen to like to own guns, and who abide by all the laws of our society?"

"My bills (H. R. 5641 and H. R. 5642) will stop the hysterical cries to penalize law-abiding citizens through imposition of rigid and unworkable restrictions on the sale, registration, or taxation of firearms, when the heart of the problem is to find a way to protect these same good citizens from the criminal.

"I have no quarrel with those who wish to place needed and workable restrictions on the easy availability of firearms to the mentally incompetent, the criminal, or the unsupervised juvenile. . . . But I shall vigorously oppose any effort to impose sweeping restrictions upon the law-abiding citizen, while this Congress and the respective states blandly ignore the cause of our nation's most serious problem. I urge my colleagues to join with me in this effort."

What Congressman Casey proposes is, almost verbatim, what we proposed as a major plank in our own Pro-Gun Law, published more than a year ago: mandatory federal punishment for the use of a gun in crime. It is an approach that has been urged by the firearms industry and by the shooting sportsmen's groups for years. It is the only approach that makes sense. We have not yet received the texts of Congressman Casey's bills, but if they stick to the lines laid down above, we're for them.

But let's get back, briefly, to the subject. Some of the best pro-gun arguments are present, though not stated, in the stories published. Take, for example, the following news story, published January 11, 1965. Note city of origin!

"NEW YORK (AP)—A tavern customer thwarted a would-be robber Sunday, but the robber, after his arrest, had the customer arrested for shooting at him! Police also charged the customer with illegally carrying a gun.

"This strange twist recalled two recent cases in which a woman who used a knife to defend herself against a would-be rapist, and a store proprietor who shot and killed a robber, both were arrested for possessing illegal weapons. The charges against them were later dismissed.

"Police gave this account: Ismael Ramirez, 20, entered the tavern and, pretending he had a gun in his pocket, announced a stickup. Barmaid Lillian Lehman screamed.

"Enrique Gomez, 34, turned from his drink, drew a revolver from his pocket, and shouted, 'Stop where you are!'

"Ramirez ran out. Gomez followed and fired a shot that hit no one, but a patrolman heard the shot and joined the chase. Ramirez halted and was arrested.

"Ramirez is unemployed and has a record of two assault-and-robbery arrests. Gomez, a laborer, told police he carried the gun for protection.

"A charge of attempted robbery was placed against Ramirez. Charges of assault and illegal possession of a gun were placed against Gomez."

\* (This refers to the case of Frank Felicetti, reported in GUNS September, 1964. GUNS, together with many of our readers, contributed to the cost of the defense which resulted in Frank Felicetti's acquittal.)

In an America whose debt to guns is implicit in every page of her history, it seems utterly incredible that such things could happen. But they do happen, day after day.

And yet anti-gun proponents urge for more Sullivan Laws in more cities, throughout the nation. If they succeed, must we then depend solely on the prayer, "May the Saints preserve us?"

We won't be able to preserve ourselves—that is certain!



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## Gunpowder

No one really knows who invented gunpowder. At various times credit has been given Roger Bacon, Friar Berthold, and the ancient Chinese. Its first specific mention is by Bacon in 1249.

In later years—notably in 15th and 16th century Renaissance Italy—the fascination and development of guns and gunpowder grew with mankind's progress after the Middle Ages. For years, the uncomplicated classic proportions of gunpowder's components—saltpetre, carbon and sulphur, by atomic weight—was 74.64-13.51-11.85. However, as early as the mid-16th century, Italian chemists were experimenting with variations of gunpowder. Tartaglia establishes some 25 different detailed, specific compositions for various types of powders in his work "Questi e Inventioni Diversi."

It didn't take long for mankind to realize the destructive potentialities of gunpowder and the possibilities of putting the magic powder and pieces of metal together in a long tube: when the powder was ignited, the metal was projected from the tube with great velocity. The anti-personnel qualities of this arrangement were quickly assessed by enterprising princes and a new order of things was rapidly established. One peasant with a gun could knock a member of the armored gentry off his horse with the greatest of ease. In short order, the local gentry weren't quite as important in their respective home grounds as they once had been. Hence, a king, with a group of gun-bearing peasants, called a national army, could establish the foundations of a centralized state. Since many kings did this over a period of years, a number of national states were constructed about various central authorities. This was Europe.

As the new states—for example, France, England and Spain—grew stronger, they also became more ambitious. They started looking for more land (and money). While searching for the treasures of the East, America was discovered. Before long, a number of disgruntled peasants—and a few non-conformist gentry—settled in the new country. Being basically disgruntled and non-conformist, these American settlers soon sought to separate from the Old World. Since they were also extremely proficient with a local variation of old gunpowder-tube (called the "Kentucky Rifle"), the Americans got their way after a short period of unpleasantness known as the Revolutionary War.

This is how the United States of America got its start. Who would have thought all of this was started by some ancient Chinese? or Roger Bacon? or Friar Berthold?

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## QUESTIONS AND ANSWERS

(Continued from page 13)

bullet. Do you handle same or could you put me in touch with someone who has a supply to sell? In the last couple of hundred Jets I have used 13 gr. of 4227. I haven't had as much trouble with cases backing out and tying up the cylinder (I wash the ammo good with carbon tet along with the cylinder) as I have had with extraction. These two loads usually extract pretty well, but any more powder and they tend to stick enough to have to bump the extractor rod fairly hard. Cases have also been neck reamed in and out to standardize along with over-all length. Other than a couple of thin skinned birds I haven't used these 37 pills on anything. One of your articles mentions using up thru 12.5 gr. of 2400. I have tried these loads (40gr.), pill and primers look good but there is hard extraction. I would welcome any comment you would care to make.

Leon T. Brown  
Narragansett, R.I.

*Sisk Bullets, Iowa Park, Texas, sell 37 gr. Sisk-Bellah revolver bullets at \$3 per 100. At identical energy they pack about twice the shock of rifle types. S&W Jets vary greatly. Some are terrible with factory loads or hot reloads. Any decent gun functions perfectly with factory ammo or equivalent reloads. Jet complaints are so numerous that I don't recommend them now.*

*Efficiency in your 4" barrel is poor at best. At worst it's hardly better than a .22 rimfire. I'd trade the Jet for a .357, that is more efficient with mild loads.—K.B.*

### Enfield Serial Number

I recently purchased a .303 British Enfield Mark III\*. Upon cleaning the gun I discovered two serial numbers; 9030 and

9285. The 9285 has been crossed out. I was wondering if this was unusual on this rifle and if this mistake makes the rifle more valuable.

John Connell  
Merrick, New York

*The serial number condition you describe indicates a "re-issue" and is not particularly unusual with military or police firearms.*

*Unfortunately, such does not increase the value of your gun.—S.B.*

### Sako Actions

How strong are the Sako Forester and Finnbear actions, and what is the over-all quality of these rifles? Are Kuharsky bases for Bausch & Lomb scopes satisfactory, and do they require drilling to mount them or do they fit the Sako grooved dovetail?

Theodore C. Ittig  
Huntington Sta., L.I., N.Y.

*The Sako actions and rifles are as strong as any other commercial action on the market. The Sako's are high quality rifles and I have never heard any complaints about them. For a B&L scope, you must use the Kuharsky bases. Kuharsky has bases for the Sako action and you'll have a fine combination of gun, scope, and bases.—P.T.H.*

### Loose Model 1884

The cam latch assembly on my Model 1884 Springfield has quite a bit of play when the breechblock is either open or closed, although it doesn't effect the locking of the breechblock. It appears that the play is caused by excessive usage, although the rest of the arm is in excellent condition. Please let me have your opinion. Also, how

do you remove the thumb-piece from the cam latch shaft?

Thomas Schellberg  
Brooklyn, New York

*Even on a brand new Model 1884 Springfield, there is some play in the cam latch mechanism. From what you have said concerning the arm, I would guess that it is safe. If the block locks down snugly, I am sure you can shoot it safely.*

*The thumb-piece is attached to the cam latch shaft by staking, and was not intended to be removed after its initial installation.*

*If you have any doubts in the matter, I would suggest you contact a gunsmith and ask him his opinion. There is always the chance that some fool has played games with your rifle action.—C.B.*

### Black Powder Shooter

Would you please give me some information on loading and shooting a .44 cap and ball revolver made by Centennial Arms Corp. I would like to know what amount of powder to use for light hunting and target shooting; how far should the ball be seated; and some information on casting bullets. I was told that wheel weight metal would work very well in casting, is this true? Can you tell me if this particular revolver is very popular among black powder shooters?

Richard Gardali  
Modesto, Calif.

*The 1860-1960 Colt N.M.A. replica made by Centennial Arms is an excellent, popular, and strong revolver for black powder.*

*While this "snap & ball" is called a .44 it's actually a .45, using a ball of approximately .451 weighing about 140 grains. The charge isn't critical, but best accuracy will be obtained if you experiment with your gun. FFG black can be used, but I like FFG. Some 26.0 to 31.0 grains works well. A .44 Magnum case holds a bit over 30.0 grains dipped, or you can trim it to hold the desired charge. Use a No. 12 cap. To reduce fouling, load 2.0 gr. Red Dot next to the cap and reduce the FFG black by 2.0 gr. Seat balls against the powder with a little pressure on the rammer. A dab of cup grease over the ball reduces fouling.*

*I recommend pure (unalloyed) lead balls. Wheel weights are very hard, and their composition varies greatly. Scrap "lead" contains unknown amounts of contamination such as iron, copper, antimony, and dirt. If you can't afford virgin lead, melt your scrap. Let it set a while and skim the top well at least twice before fluxing. The best scrap lead is sheets and pipe, with any soldered joints removed. Virgin lead isn't expensive, and I recommend it.—K.B.*

### Trigger Troubles

Why would installing a Timney trigger on an A3 Springfield prevent the rifle from cocking properly, so that the bolt must be at least partly withdrawn in order to prevent the firing pin from falling as soon as the handle is pushed down into the locked position? Sometimes, in fact, the rifle will not stay cocked at all. Obviously, this con-

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dition is unsafe and the military trigger has been restored, pending correction.

The obvious source of information would be the Timston Company, but I have written them twice and received no reply.

Daniel C. Reuter  
Malone, N.Y.

*There is but one reason that I can think of that would prevent the Timney trigger from functioning properly. It seems that the sear is binding in the receiver. Make certain that it is free and that the wood is not binding.—P.T.H.*

### Simplex Pistol

I am the owner of an automatic pistol, "Simplex blow back system." What is this pistol worth; what year was this pistol made; who was the manufacturer?

I see many guns advertised in your magazine, and would like to know how I can buy such arms from the U.S. I have a German license to buy and carry a firearm.

Richard Mander  
Gelsenkirchen, Germany

*The Simplex was designed by Bergmann and manufactured in Belgium for a short period, commencing in 1897, at Herstal.*

*It is not a very common gun, but for some reason its scarcity is not reflected in its price. Dealers in this country sell them for about \$40.00 in fairly good condition.*

*In order to sell and deliver firearms to you from this country, each transaction would require an export permit from the United States State Department, as well as approval by the German government. This nonsense, coupled with the shipping, insurance, and your import customs charges would probably make the item cost more than it is worth.*

*Generally, the easy way is to get someone here to bring the guns you want, to you, when on a vacation trip, etc. Our laws permit the traveller to take with him, or in his baggage, up to three firearms without special permits, licenses, etc.—S.B.*

### Winchester Model 55

I have a Winchester Model 55 in real nice condition. I have never seen another one like it and I can't seem to find any information on it. It looks exactly like the Model 53. It's a .30 WCF and the breech is like the Model 94 except for the barrel and fore-end. The barrel is longer, almost like a sporter. Can you give me any information on this rifle and its value?

Joseph Magnotti  
Long Beach, Calif.

*The Winchester Model 55 sporting rifle is a fairly uncommon arm. If Winchester collectors would become interested in the item it would be a rarity in short order.*

*The Winchester Model 55 was introduced in 1924 and discontinued in 1932. In those*

*eight years Winchester manufactured 20,580 of them. How many of them have escaped being altered or even butchered I cannot say, but a fine and original specimen is not readily encountered these days—C.B.*

### Gun Springs

I do part time gun repair for a hobby, and I get a lot of obsolete guns that need springs. Can you give the name of a company that will make custom gun springs?

W. J. Coulter  
Springfield, Tenn.

*You can get custom gun springs from W. C. Wolff, Box 232, Ardmore, Pa.—P.T.H.*

### Removing Nickel Plating

What is the easiest way to remove nickel plating from a revolver in preparation for bluing? Also, what is the correct procedure for removing and installing a barrel on an S&W .38 revolver?

William Moulder  
Bridge City, Texas

*The only way to remove the plating without damaging the original metal is to send the gun to the plater; he will use a reverse process to remove the plating.*

*In order to remove a barrel from a revolver, you must have a barrel vise to hold the barrel and a special wrench to fit the frame so that the gun won't be damaged.—P.T.H.*



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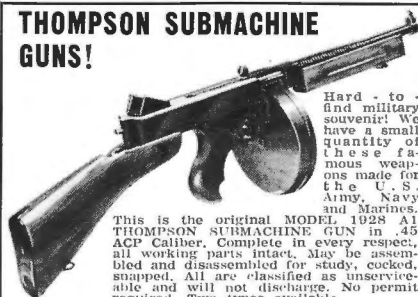
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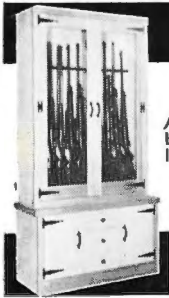


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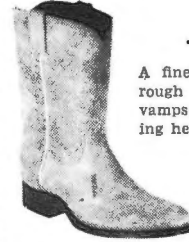
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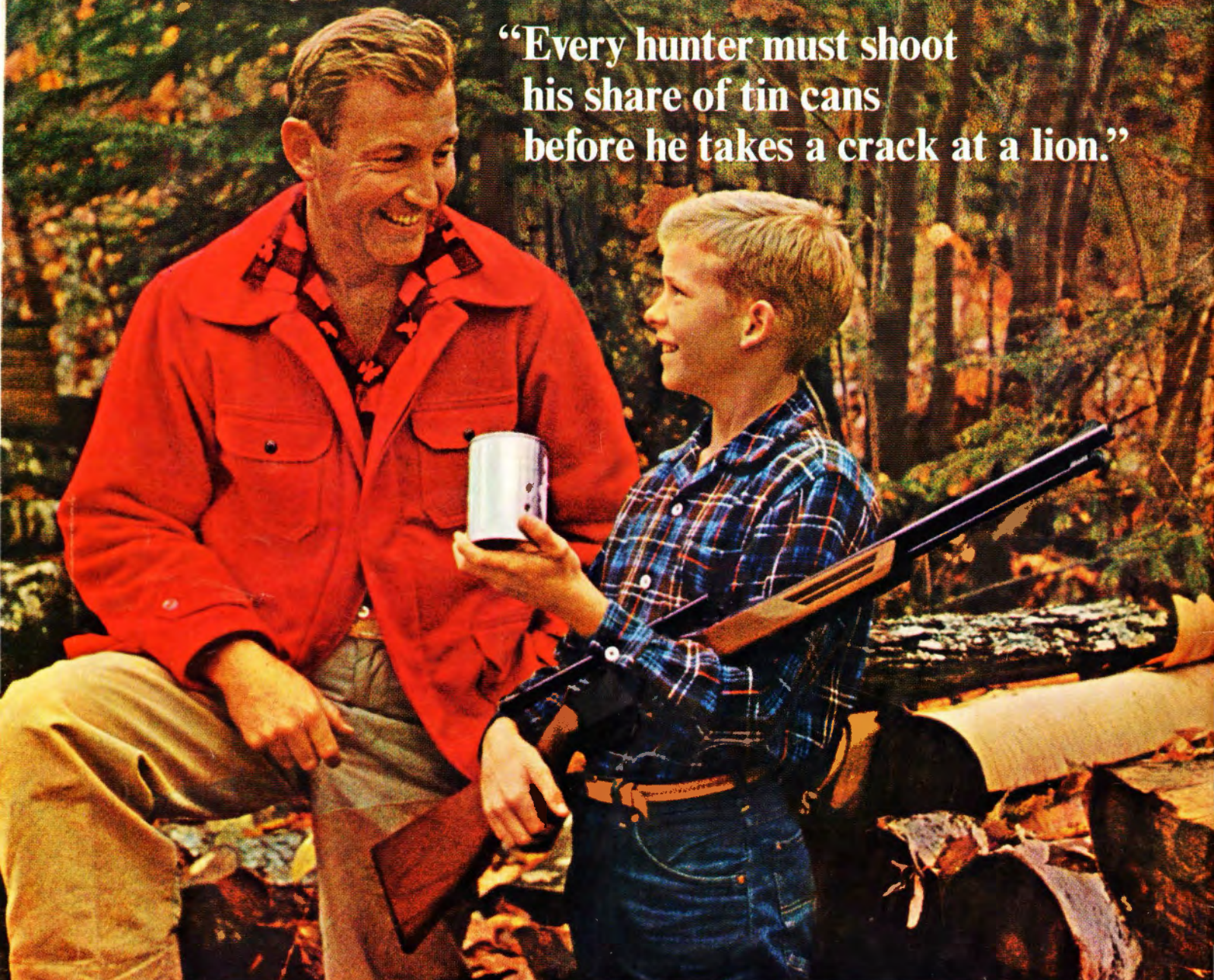
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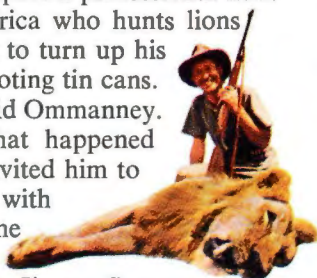
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You’d expect a professional hunter from Africa who hunts lions for a living to turn up his nose at shooting tin cans.

Not David Ommanney.

Look what happened when we invited him to hunt deer with us in Maine last fall.

This boy, Jimmy Sprague, who lived near our camp, came over to show us his new Winchester 22. (He really just wanted to talk to



David about hunting lions.)

Well, as it turned out, Jimmy’s gun was just like one David had in his safari battery back in Africa. (Not for hunting lion, of course, but to use on birds and varmints.)

“This is a real rifle,” said David when he saw it. “Mine will group five shots at 100 yards that you can cover with a half crown. And that’s darn accurate shooting.”

It was David who suggested plinking at tin cans. “If you want to hunt lion, you’ve got to practice,” he said. “You can spend a couple of weeks finding a lion to shoot at. You know, one with a

good mane. And then you may get only *one* shot at it. So you’ve got to learn to make every shot count.”

In between shots, David mentioned some other things besides good marksmanship that Jimmy could learn from his 22. Like knowing where to aim to hit a vital spot. And knowing how far the rifle will shoot. And what its effective range is. And knowing what size game it should be used for.

“Don’t let anyone try to tell you plinking with a 22 is kid stuff,” he told Jimmy.

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