

FEBRUARY 1963 50c

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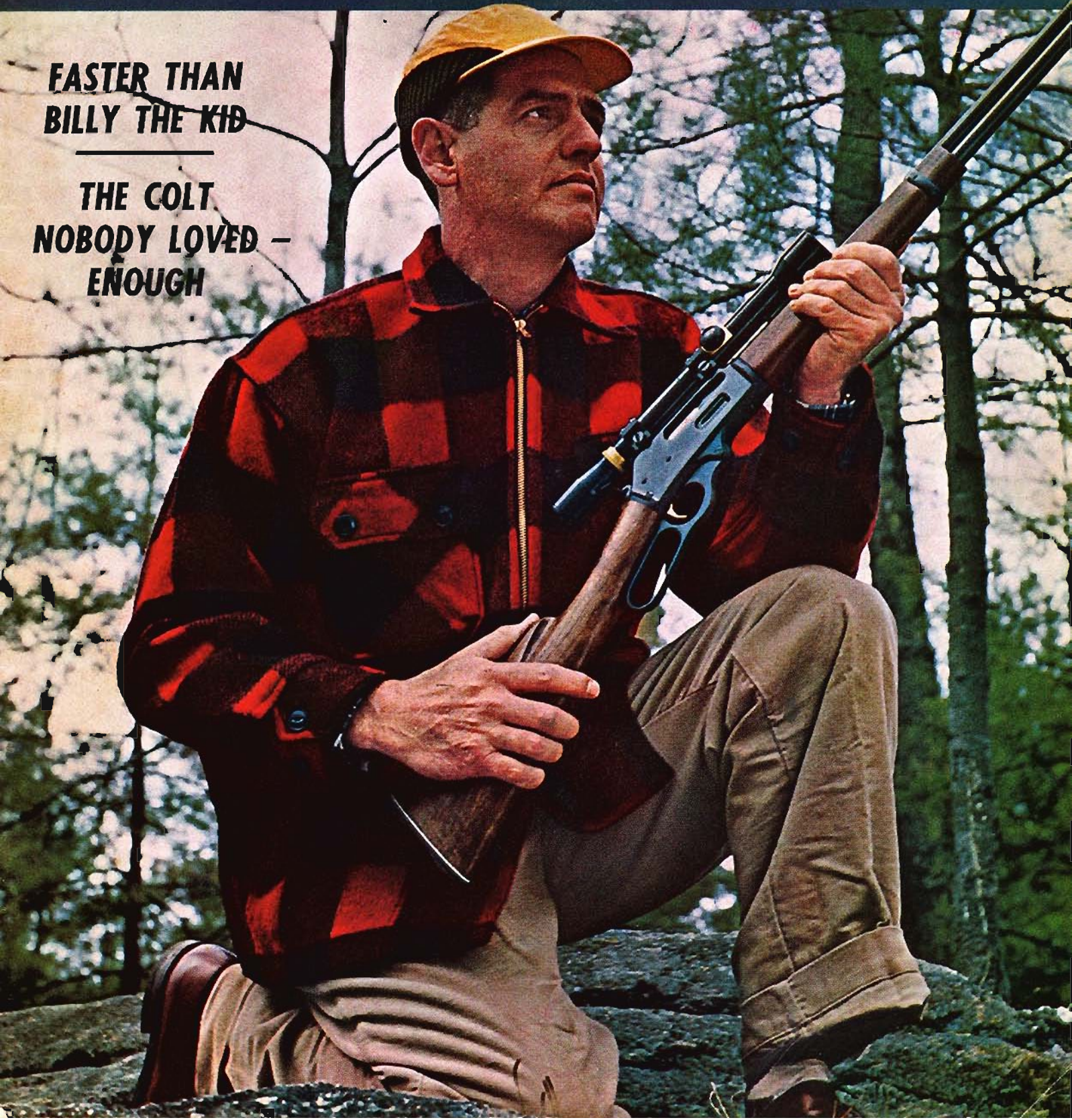
# Guns

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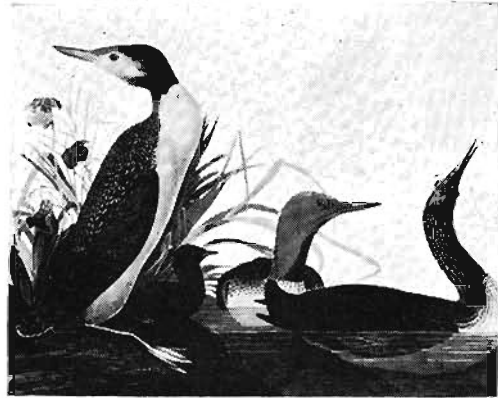
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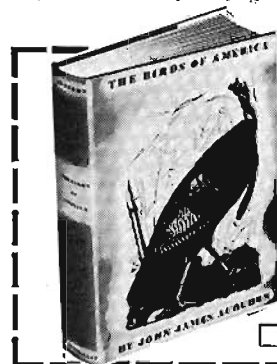
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# ARMS LIBRARY

## CIVIL WAR GUNS

By William B. Edwards

(Stackpole Harrisburg, Pa. 1962. \$15.00)

This is a big book; big in format (438 pages, 8 3/4" x 11 1/2"), big in scope, big in treatment. It will be big news, too—to the Civil War buff certainly, but also to the gun collector and the student of firearms development in this country and in the many countries abroad which sold guns to the Blue and to the Gray. The author has had access to, and has carefully sifted, great quantities of historical material at home and abroad, and has leavened it with conjectures which, in the light of his personal background, must at least be credited as educated guesses and which add flavor to the material. Edwards labels fact as fact and conjecture as conjecture, so that scholars who read may disagree but should not condemn. "Civil War Guns" is a major work, one of the most comprehensive yet attempted in its field, and it will serve as a reference for controversy and research for a long time to come.—R.A.S.

## THE ART OF THE GUNMAKER

By J. F. Hayward

(St. Martin's Press, New York. \$15.00)

Although complete in itself, this book is the first of a two-volume set which will cover the history of European firearms development from 1500 to 1830. (This volume, 1500 to 1660.) Technical development of the gun itself are covered, but the author's special interest is in the styles and techniques of ornamentation which have so frequently made guns true objects of art. Knowledge of these styles and techniques can be of real value to the student and the collector today, in dating such pieces. With four fine color engravings and a generous section of fine halftones, this is a handsome addition to any library; and the text, by J. F. Hayward of the Victoria and Albert Museum, London, combines easy reading with first-class scholarship.—E.B.M.

## BAD MEDICINE & GOOD

By Wilbur Sturtevant Nye

(University of Oklahoma Press, Norman, Okla. \$5.00)

The Kiowas were among the most feared of all the tribes of the Southwestern plains country, and with good reason. In 75 years of militant resistance, they probably killed more whites than any other tribe. These 44 stories, embellished with drawings by Nick Eggenhoffer, cover their tumultuous history as told by the Kiowas themselves—some who actually took part in the events, and some who heard the stories from their elders—and from the notes of Capt. Hugh L. Scott who served at Fort Sill, near the Kiowa reservation in the 1890s. This is Indians vs. soldiers and cowboys—vastly different from soldiers and cowboys vs. Indians. It is also a colorful, understandable picture of Indian life and customs.—E.B.M.

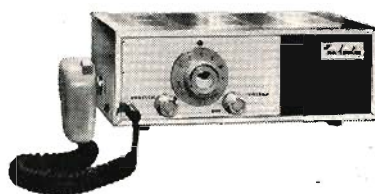
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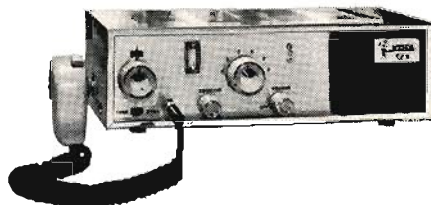
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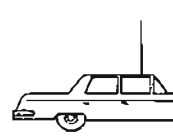
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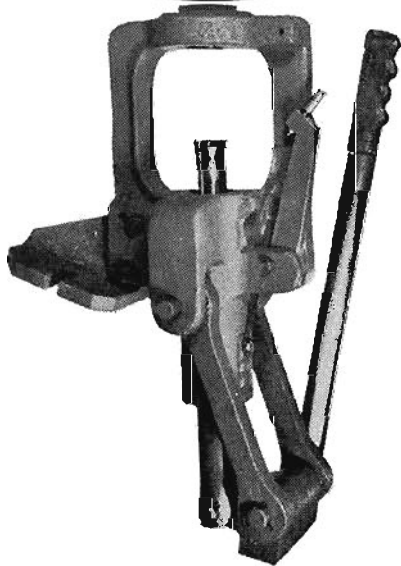
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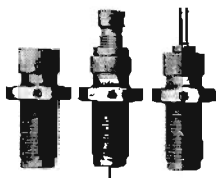
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*Pull!*

BY DICK MILLER

**T**RAPSHOOTING is the one truly universal and family sport. To forestall some of the anguished wails that this statement is sure to bring from other sports buffs, let me explain. And, by offering to explain, I'm not backing away from our opening statement. I hope to use the explanation to develop the premise.

Sport pages are fond of labeling baseball the one national pastime or sport. In recent years, this label has been challenged by fans of bowling, football in general and professional football in particular, boating, golfing, tennis, and even basketball. I shall not attempt to referee this hassle; the effort to do so might win me some sort of Purple Heart, which I don't need!

Most of the big-time sports that attract support for "national pastime" ranking can be correctly called spectator sports. The big names in these sports are professional athletes, whose full time is devoted to the sports, and whose major income is derived from them. The kindly grandmother who lives down the street, the lady school teacher who instructs neighborhood youngsters, the kid who delivers your daily newspaper, your doctor, your dentist, insurance man, or hardware merchant on the next block is not likely to make the sport pages for a sparkling performance in Sunday's professional football game, or baseball game. The same observation holds true for big-time golf, tennis, and basketball.

True, all or any of these people can and do enjoy boating, a pastime now wearing the label of "family sport," but in most cases their pastime of boating does not pit them against others as competitors in a sport, under well-defined rules.

Here is where trapshooting enters the picture under conditions of competition between both sexes, of all age groups, physical condition, and occupations. Kids, both teen-age and sub-teen, housewives, grandmothers, retired oldsters, professional athletes from other sports, the physically handicapped, and men from all occupations can and do win major shooting championships.

There are no professionals in trapshooting, in the truest sense of the word. A professional in trap is simply a shooter employed by the arms and/or ammunition industry, and does not compete against amateurs for prizes. The major prizes go to the kids, men, and women, young and old.

It would take all the pages of this magazine to list all the major shooting championships won by unlikely and ordinary people, just like those in your family and in your neighborhood. The biggest prize in trapshooting, the Grand American Handicap was won in 1962 by a Chicago detective who

averaged only .9081 on 1100 targets in 1961.

Four shooters, from a field of 2,086, broke 99 out of 100 targets in the Preliminary Handicap in 1962's national tournament. One of those shooters, including the nation's best, was a Wisconsin housewife. Seven shooters scored 98 in this event. Two of them were teen-agers. One of the few perfect hundred's shot in a major trap tournament during 1962 was posted by a comely young matron from Pennsylvania. The winner of the High-Over-All Championship in the 1962 Grand American was a labor relations consultant from Indiana who had never before shot 16-yard targets in a national tournament.

Teen-agers and sub-teeners win many tournaments. 13-year old Ricky Meier scored 99x100 to defeat 111 shooters from five states in one major event of the preceding year. This is only one of many, too numerous to list.

P. A. Romig took up trapshooting when he was sixty, and won a major tournament with a score of 99x100, when he was 88!

Fred Harlow won the Grand American Handicap in 1908, then won a class trophy in 16-yard shooting at the Grand, with a 196x200, at the age of 82. One squad in the Iowa state championship event was made up of shooters whose ages averaged 76 years.

For contrast, nine shooters broke 200 straight targets in one national tournament. Youngest was 16, and the oldest holder of a perfect score was 82.

The biggest prize in trapshooting, the Grand American Handicap, has been won by a high school sophomore.

The national tournament at Vandalia, Ohio features championships for parent-child, brother-brother, etc. In 1962, one youngster asked his Dad if it would not have been better if the combination had been mother-son, instead of father-son, when the mother seemed to be shooting better than the father.

Can you name another sport in which a father, mother, and child might be competing side by side for a major trophy. Certainly not baseball, football, basketball, golf, or tennis.

The casual reader who is not familiar with trapshooting may feel that the examples of diverse winnings given here are isolated, and rare. Not so. Almost every major tournament, in any year, and at any club, and on almost every Sunday of the year produces similar examples. Such victories are so commonplace that they barely make news in trapshooting circles. They are only reported here as a few examples of a major trend.

So, if you are an average American parent, with a family of teen-agers or sub-teens of both sexes, looking for a sport in which you, your wife, your children, and perhaps your

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# Guns

FINEST IN THE FIREARMS FIELD

FEBRUARY, 1963

Vol. IX, No. 2-98

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## THE COVER

You've known that feeling: "Something moving yonder—and me caught out in the open! Down, boy, and freeze! No move, no see, is what they tell you . . ." And so this man, Marlined and ready, waits out those nerve-tingling seconds, infinitely more thrilling than the kill itself, the war of wits that makes hunting the best of all possible sports, win or lose.

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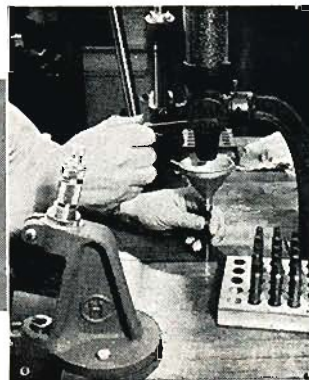
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## HANDLOADING BENCH

By KENT BELLAH



### Ruger Hawkeye .256 W.M.

RUGER'S NEW HAWKEYE for the .256 Winchester Magnum rifle-handgun "companion" cartridge, is a deadly-accurate single-shot pistol. Built on the familiar Ruger Blackhawk frame, it looks like a revolver, but the looks are misleading. The blank "cylinder" serves the same purpose as a rifle bolt. It holds a long, spring-loaded firing pin, not a striker, that is whammed by the hammer nose. The cylinder locks up tightly with minimum headspace for the high pressure, Hi-V round, in a chambered barrel  $8\frac{1}{2}$ " long on our serial No. X-8 (experimental) gun.

The cylinder is unlocked by a thumb button on the left side, and is revolved to the left to load. The extractor, on the Blackhawk type rod, bears on the case rim rather than inside the hull. Ruger's Hawkeye can be fired and reloaded quickly. The Blackhawk-type handle, adjustable sights, and other good features are retained.

I've mentioned in this column that a quality single-shot pistol has long been needed. Ruger's gun is a fine one and fills the void. Let's hope that Ruger makes it available in several other popular calibers. It will be just dandy for testing ammo with a scope sight, and for accuracy fans. Perhaps it would spark some type of handgun bench rest matches or shooting. It will be popular for precision work on still varmints or game, as well as on paper. Advantages of a chambered barrel over a revolver are obvious for better accuracy and higher velocity. The Ruger Hawkeye .256 W.M. comes close to being a hip-holster rifle.

In Ruger's  $8\frac{1}{2}$ " tube, which eliminates the gas loss of revolvers, Winchester's 60-grain H.P. should hold the listed 2200 fps of an 8" pressure barrel. The jacket is longer than necessary, but we clobbered lots of jacks, cats, armadillos, and other varmints in our tests.

Speer's 60 grain S.P. is more deadly, with faster expansion. My top load, giving a whiter, brighter muzzle flash and more report, is 15.0 grains 2400 with CCI No. 550 Magnum primers. Best accuracy is with 14.5 grains. Sighted at 100 yards, you can hold on jacks at 50, and are only about 8" low at 200. That's flat, and about 4" better than factory ammo. Fired in moist sand, Speer's lethal pills make a classic mushroom, shedding half their weight fast. Jackets turn completely wrong side out like varmint bullets at rifle range. A good working load is 13.3 grains, or no less than 12.0 grains 2400.

A plinking, practice, or small game load is 6.0 to 6.5 grains Unique with CCI No. 500 primers and Speer's bullet. Or 3.0 grains Bullseye is adequate for squirrels at moderate

range with standard pistol primers.

You should work up before firing a top load. The specified primers are recommended with 2400 for complete combustion. A small firing pin dent does not necessarily indicate excessive pressure, but sticky cases generally mean too much pressure. Seat primers slightly below the case head face. "Long" ones prevent closing the cylinder. Resize cases full length for the Ruger. C-H Die Co. scored a "first" in .256 W.M. dies.

### New Hollywood Tools

Hollywood Gun Shop, 6116-G Hollywood Blvd., Hollywood 28, Calif., introduced their famous Hollywood Senior tool years ago. Now, Lyle S. Corcoran, owner, has a new "hell for stout" Hollywood Senior and Senior Turret. "Spring" is eliminated on heavy sizing, case forming, or bullet swaging with a  $\frac{1}{2}$ " tie-down rod. The Senior is a dandy one-hole press, heavy and massive, for any re-loading work.

Hollywood's new Senior Turret is an identical and versatile 8-hole progressive loader, best of its type I've ever used. It does all operations with ease and speed. I couldn't damage one with an 18" pipe "cheater" (extension) handle. The 43 pound brute is A-OK, precision made, with all holes in alignment. Operation is on the desirable down-stroke. It forms bullets easily. The handle stays up, out of the way, on the right or left side, for right or left handers.

Hollywood's powder measure, and some others, are threaded to fit the standard thread holes for progressive loading. You'll find it's a new thrill to handle hulls only once. Cases are fed in the shell holder, the easily moved turret is advanced to the next position for each operation to assemble a loaded round. Hollywood's Senior Turret is a bargain if you value your time, or do much reloading. Some turret tools do not index perfectly, but this one does. It should be as popular as soda after Christmas dinner.

You can keep dies and measures set up for your two favorite cartridges for quick hull filling. Or for one cartridge, with several sizers in other holes. After shooting a variety of guns, you can promptly resize and prime all hulls, and have them ready to load. Turn the shell holder to the most convenient position for right or left hand feeding. Store spares on the die-loaded turret, and a spare primer arm in the top Allen screw cavity, so everything is handy. You'll love the Hollywood Senior Turret tool.

It's available with all holes  $\frac{7}{8}$ " for standard dies, all  $1\frac{1}{2}$ " for Hollywood Shotgun Dies, or four holes in each size. The new

(Continued on page 55)

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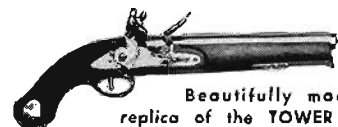
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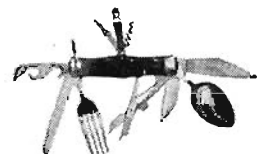
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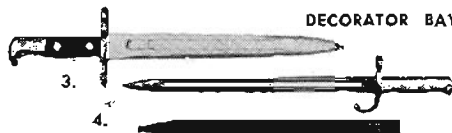
Brand new PERCUSSION PISTOL. About 41 caliber. Some full stocked, some have three-quarter length stacks. About 16" overall. Only \$15.00. Two for \$27.50!



DOUBLE DERRINGER copy of the famous Remington. Chrome finish, brand new 22 Long Rifle caliber with leather holster just \$15.00. Also 38 Special caliber models with blue finish, leather holster only \$23.00. Don't miss this terrific buy!



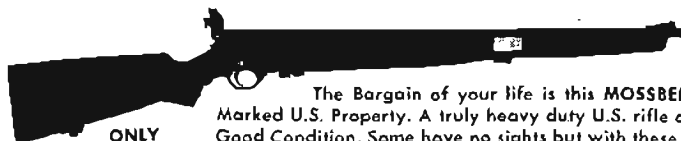
ELEVEN-BLADED HUNTING KNIFE. Ideal gift for that Boy Scout. Has every tool for camping, nice leather sheath. A real steal at only \$2.00!



CATALOG: I have a beautiful catalog with thousands of weapons, guns on about 100 pages of best grade slick paper. Printing, mailing cost me about a buck. If you want to send a dollar along, it'll be appreciated but if not and you want a copy, let me know

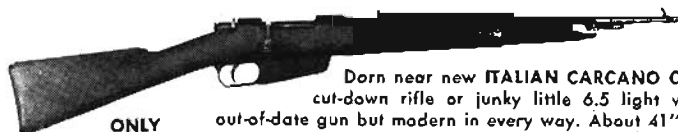
and I'll send you one. My business is strictly mail order with no store hours. After 30 years of 16 hour days in the wholesale grocery business I plan to hunt, fish, loaf, so if you plan to drop by for gosh sakes call me first as chances are pretty good I won't be at home.

If permit is required in your city, send it with your order. All purchasers of handguns must also sign this statement and send it with their order. "I am over 21 years old and a citizen of the United States. I have never been convicted of a crime of violence, I am not a fugitive from justice. There is no reason why Walter H. Craig should not ship me this order."



ONLY  
\$19.00!

The Bargain of your life is this MOSSBERG 22 LONG RIFLE. Marked U.S. Property. A truly heavy duty U.S. rifle and just 41" overall. Good Condition. Some have no sights but with these I furnish free a new four power scope. No scope offered with gun equipped with regular sights. Only \$19.00. Few selected rifles at \$22.50. First come, first served!



ONLY  
\$15.00!

Dorn near new ITALIAN CARCANO CARBINE 7.35. Not a cut-down rifle or junky little 6.5 light weight. Not a bulky out-of-date gun but modern in every way. About 41" overall. This is without question the best buy I've had and with each comes 198 rds. of fresh ammo all for just \$15. Some dealers ask this price for the ammo alone. Not pictured but equally as good a bargain is the brand new unfired British .303 SMLE RIFLE for just \$22.50. Rush your order—only 60 of these left!

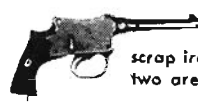


ONLY  
\$15.00!

MAUSER 7MM CARBINE MODEL '93. Good condition. Ideal brush gun and just 38" overall. 100 rds. of ammo included—all for only \$15. The action alone is worth much more than that!



Guns from the famed Khyber Pass. NOT SAFE TO SHOOT. (Story of these Darra-made guns appeared in August GUNS.) These hand-made guns were made in back yards from scrap iron on crude machines. No two are exactly alike. Top: Fake Wableys only \$10.



Center: Martini action type only \$12.50. Bottom: Miscellaneous foreign revolvers yours now for only \$6.

Flare guns of various types. Fine condition. Wonderful souvenirs, decorator items. My choice just \$5 each.



Hara-kiri Knife. Beautifully made. Fancy wooden sheath makes knife look like it's in a case. Two sizes. 7" for \$0c; 19" giant only \$2.



Miniature revolver shown with half-dollar for size comparison. These miniatures are well made, nickel plated with plastic grips. Cylinder revolves but nothing else works. \$2.25.



Miniature 45 Colt automatic. Gold finish with fancy grips. The side safety, grip safety, slide and hammer all work and the magazine comes out. It's really a work of art. Bore is about the size of the lead in a pencil. Just \$10.00! No ammo available. Size compares to half-dollar above.



RAREST OF THE RARE! (Doubt if you've seen one!) Stick or club-type flare pistol. Breaks in middle for loading then quick snap of wrist makes it close and fire. Very unique. An exciting conversation piece and only \$12.50!

DECORATOR BAYONETS. No finer decorator item can be had for the money.

1. Hard to find Russian 4-edged needle 91/30 model...\$1.00
2. British Indian Pattern...\$1.00
3. Dorn-neer mint is this Swiss Model 1911...\$1.50
4. Finest of fine. Near mint, with scabbard, Mauser bayonets. Extremely rare brass handled model...\$3.00

Regular aluminum handle model only...\$2.00

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sharp this winter!

# GALLERY LOADS with HORNADY

30 CALIBER *S&J*

in the 30-06



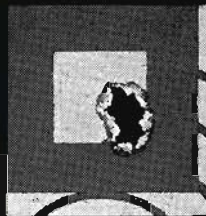
30 CAL. 100 GR.

5-SHOT, 50-FT GALLERY GROUPS  
fired from a 30-06 FN Mauser

3/8" GROUP  
7 grains Red Dot  
Instr. Velocity  
1237 f.p.s.



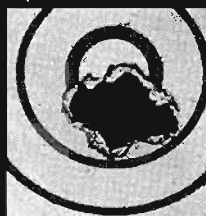
1/2" GROUP  
9 grains Unique  
Instr. Velocity  
1483 f.p.s.



9/16" GROUP  
7 grains Unique  
Instr. Velocity  
1305 f.p.s.



11/16" GROUP  
7 grains 4759  
Instr. Velocity  
762 f.p.s.



Why let your 30-06 hibernate this winter when you can use it to shoot gallery groups like these. Keep your shooting eye sharp—and have fun doing it! Gallery shooting with Hornady S-Js is inexpensive fun, too. Our 100 grain S-Js are only \$2.85 per hundred (your wallet will like that!).

This kind of shooting isn't limited to 30-06 owners. Your thuddy-thuddy can be a gallery rifle, too (drop each load a grain or so), or use your 308 Winchester. If you'd rather shoot outdoors—at something besides paper—try these loads on squirrels. \$2.85 worth of S-Js will get you quite a few.

Bullets for handloading—  
send for complete list



**Hornady  
BULLETS**

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## CROSSFIRE

### Oldest Club?

In your August issue there was a letter in the "Crossfire" column from Carlos H. Mason of Bristol, Conn., who is under the impression that their gun club is the oldest in the country, having been formed in 1936.

Surely it would be interesting to really find out just which club merits that honor. I would like to submit the Southern California Arms Collector's Assn., which was formed in 1933 and has met regularly ever since. At the present we are meeting on the last Saturday of the month in Hollywood.

Roy S. Horton  
Santa Ana, Calif.

### New Subscriber

I have just been enjoying the first number of a year's subscription to GUNS, sent to me by my son Major Bryce Poe II, USAF, presently attending the Armed Forces Staff College at Norfolk, Va. GUNS is interesting without inflicting on the reader articles that are either excessively technical or are patent-fiction.

Lt. Col. Bryce Poe, U.S.A. Ret.  
Kansas City, Mo.

### "How Fussy Need You Be?"

With reference to the above-titled article by Lt. Col. Bryce Poe (Nov., 1962) obviously all of the loads were not made up from cases fire-formed in one rifle; if they were, they would all wobble or they would all be concentric.

The simplest method to eliminate this variable would be to use only cases fired in the same rifle and load the cases in the chamber the same for each firing. Some shooters file a small index notch in the rim; some use the caliber designation as a reference point. Using this method, it makes little difference if the chamber is concentric or slightly eccentric.

T. E. Newman  
Atlanta, Georgia

### Ammo . . . and a Question

Here's some good ammo for the fighters against anti-gun laws: quotes from an interview with Chief of Detectives M. E. J. Ledden of the New York Police Department, as printed in the Chicago Sunday "Tribune," 19 August 62:

"There were 453 homicides committed in New York City last year. . . Knives were used in 198 cases. Physical force (fists, strangulation, clubs, hammers, pipes, chains, or anything that could be picked up) came next, with 88 cases. TV's favorite weapon, the gun, was third: 74 cases." (This is a city boasting the most restrictive gun laws in America!)

Wonder what Mr. Anfuso has to say about this? Also wonder who is really backing these bills to disarm Americans, and why? Who wants to see us helpless?

A. L. Schwartz  
Niles, Michigan

### We Blush With Pride

Concerning the article on maser's and laser's in GUNS, Sept., 1962:

Of all of the articles that I have read on this subject in the last year or two, and these were in scientific journals, this is the first time that I really could understand what the subject was about. And it came from a magazine devoted to guns and hunting. It is my opinion that GUNS can hold its head up with the best of scientific journals.

I would like to see more articles of this type on other highly technical new discoveries, whether or not they are directly connected with guns.

Thanks!

Charles G. Dixon  
Tucson, Arizona

### Thank You, Lieutenant

I am writing in reference to an article which appeared in the May 1962 issue of GUNS. "Why Are Army Riflemen Bum Shots?" by Colonel Charles Askins is one of the best I have read recently on the shortcomings of Army marksmanship. I have been trying in vain to put some of the same points across to people in my unit.

Lt. Ralph T. Bunten Jr.  
Marksmanship Committee  
3rd Infantry Division

### The .22 JGR

I would like to know what happened to the .22 JGR which was the subject of an article in your magazine a few years ago. Is it still being produced, or did I miss an issue somewhere along the line?

M. J. Anderson  
San Bernadino, Calif.

We'd like to know more about the .22 JGR, too. Have heard nothing about it for a long time.—Editor.

### Gun Laws Don't Work

Do restrictive gun laws stop crime? Here are a couple of news stories from England, famous for her anti-gun laws, which show that criminals get guns regardless of laws. (The news stories: "A policeman was shot in a cinema yesterday as 1,000 people looked on." "A man died in a hail of bullets outside a London cafe last night. Another man was wounded.")

I'm curious about one thing. If people like

Drew Pearson insist on stumping for new gun laws, why don't they first consider the opinions of Col. Askins and others who live and work with firearms? Or would this steal a lot of their thunder?

Total abolition of arms? Nonsense! A police officer in Arizona once showed me a .32 caliber handgun with an enclosed switchblade knife that was made inside the Arizona State Prison by an inmate! It would shoot, too. They caught him with it when he was given a speeding ticket after his release from prison.

Wm. C. Moseley, Capt. USAF  
APO 405, New York

### Sick Thoughts

On a local New York City radio station, we have another crusader for the registering of all firearms. This man is a popular disc jockey by the name of Dick Sheppard, radio station WHN, New York 22, N.Y. He has praised the New York State Sullivan Law and cited the case of a young boy who got hold of a shotgun and killed another boy with it. He has appealed to ex-military men who, as he puts it, should know the danger of having firearms.

This man's words are being heard by a great many people and who knows what damage he can do with his sick thoughts? He has asked for letters of comment on his statements; I say lets give them to him!

Frank A. Zeltray  
New York, N.Y.

### M1 Carbine For Indian Bison?

The Chinese are some 60 miles away, and I will be very much surprised if they don't pop over for tea one of these fine days! Before I'm yanked off for brainwashing sessions in Peking, I want to tell you of a rather extraordinary shikar experience.

Last Monday, my manager came up post-haste in his Jeep (which has since been requisitioned by the Army, incidentally) and told me to bring my guns as there was a rhino in our No. 4 lines. Apparently, the beast has run amok and gored a little boy. One of the coolies, caught in the open, shinned up a tree, whereupon the animal charged the tree and shook him out of it like a ripe acorn. Luckily, the rhino didn't take any further interest in him.

Anyway, Bob and the other Assistant Manager, Duncan, both armed with .30 M1 carbines, and I with my 8x60 mm Mannlicher, tore off to the scene of action, only to find that the rhino had moved off into a neighboring estate. At the boundary, we learned from a frightened bunch of coolies that they had seen no rhino, but "a bloody big wild buffalo" had trotted off into the tea.

Some Indian clerical staff joined us, armed with shotguns. We split up into two parties: Bob, myself, and a Babu, and Duncan with the other Babu. We saw the creature some hundred yards away, feeding in a gully. I'll cut short the actual chase; the interesting part came when Duncan and his companion, the latter armed with a shotgun, were about 100 yards away from the animal—which, we now saw, was no buffalo but the very rare and very much protected Indian Bison. How it got there I don't know, but what a beast!

The Babu said to Duncan, "Shall I shoot?" Duncan said, "No, you silly idiot!" But his words were drowned in the roar of the shotgun.

The Bison, his neck stung by a pellet, halted in its tracks, then turned to charge. As it presented a broadside target, Duncan pumped a shot from his carbine behind its shoulder. The Bison tore off through the tea for about 20 yards; then, wonder of wonders, it dropped. Duncan's bullet had gone clean through the animal and, en route, had hit the lungs.

This was a very lucky shot and, believe me, I don't recommend the M1 Carbine for Bison or Cape buffalo!

Bob reported the affair this morning, and there will probably be hell to pay with the Forcet Officers. Incidentally, the ammo Duncan had was 1943 vintage!

H. F. Marks  
Thakurbari, Assam.

### Peabody Rifle

I just finished reading Joan Cahoon's article on the Peabody rifle, and I enjoyed it very much. I hope your fine magazine continues to publish such articles about antique firearms.

I have a few comments on the Springfield rifles mentioned in the article. The 1860 Springfield to which Miss Cahoon refers is apparently the Model 1855 and its successors, the Models 1861 and 1863. In 1865, the Allin alteration appeared, converting these rifle muskets into breechloaders. This system was improved upon and used in succeeding models for almost thirty years.

The article gives the reader the impression that the Model 1873 Springfield replaced the rifle musket. On the contrary, the Model 1873 was preceded by the original Allin alteration—Model 1865, the Model 1866, the Model 1868, and the Model 1870. The board that convened in 1872 merely recommended the retention of the present breechloading system.

John F. O'Sullivan  
New York, N. Y.

### From Holland

I am an interested reader of GUNS, and I greatly appreciated the article, "No Bad Kids In This Club," by Bob Tremaine. This offers valuable advice for policemen in Holland.

I would like it very much if you would publish more articles about weapons used in the European armies, before and after World-war II.

I should be very glad to read in future copies of 'Guns' for instance articles about the FAL-rifle (Fusil Automatique Léger) of the Fabrique d'Armes de Guerre in Herstal, Belgium, an arm in use in England, Luxembourg, Holland, West-Germany and of course Belgium; and about the UZI and the substitute of the Soviet PPSH-41 submachine gun.

Thanks in anticipation.

Johan G. Tervoort  
Ooverveco, Netherlands

### Fast Draw Department?

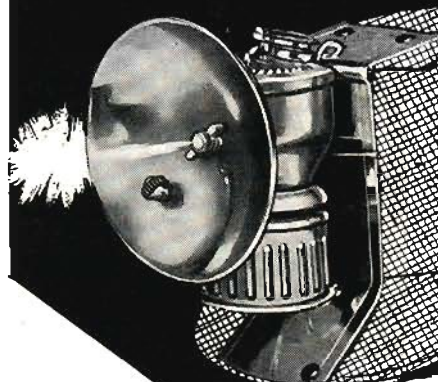
"Delighted to find the article on Fast Draw in the September issue. Possibly you could give me and other fans of this sport a real treat by having a monthly column on Fast Draw, to guide beginners and also to inform those who criticize the sport.

Bruce Taylor  
Clifton, Virginia

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steady,  
white light!

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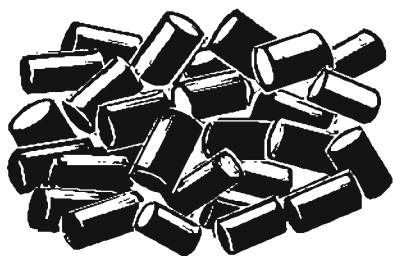
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Ask for your powder by name.  
Ask for Norma.

The Norma line of rifle powders give high bullet velocities with low breech pressures and temperatures. This helps to reduce the strain on rifle mechanism and barrel erosion to a minimum. The versatility of Norma rifle powders permit their use over a great variety of cartridge and bullet combinations.

Norma rifle powders are available in four grades.

200 — A fast burning powder for small capacity cartridge cases such as the .222.

201 — Slower burning than the 200 but still pretty fast burning and therefore to be used where the 200 would give too high a breech pressure.

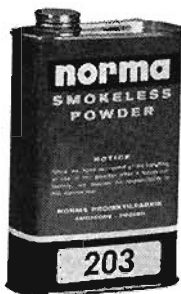
203 — Being of medium burning rate, this is the powder used most widely. It is the powder used in most cartridges from the .30-06 up to the big .358 Norma Magnum.

204 — This is the slowest burning Norma rifle powder. It's the correct powder for a wide variety of necked-down wildcat cartridges.

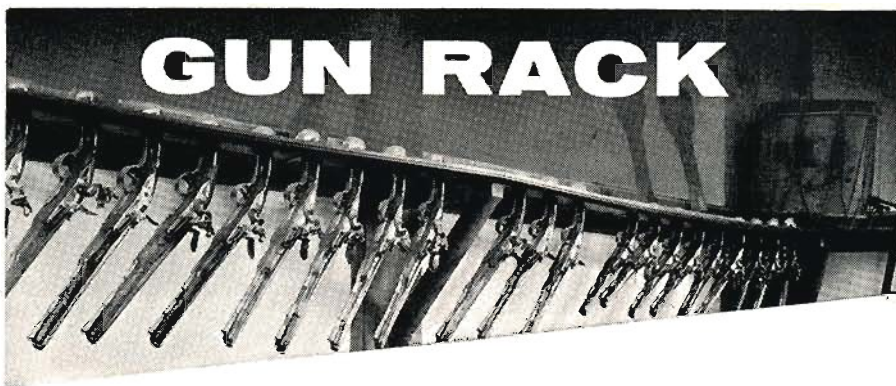
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# GUN RACK



## Four Barrel Derringer

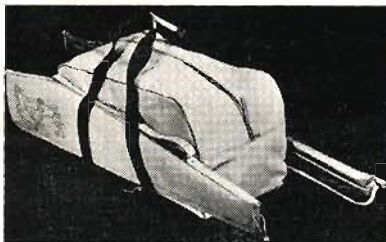
Paul Haberly, boss of the Chicago Gun Center, does all our own personal gunsmithing work, and he recently gave us a chance to give his latest brainchild a thorough wringing out.

This four-barrel derringer feels like and shoots like the McCoy, with the exception of the trigger that was a bit on the hard side on the prototype we fired. The gun is chambered for .22 LR ammo, but no high velocity rounds should be run through it. We tested the gun on our indoor range with the Detroit Bullet Trap at 15 feet, and found that the gun shot 3 inches high at point of aim. Compensating for this, we fired three test groups with .22 Shorts, the final group measuring just over 3 inches.

Workmanship and execution of this derringer is of high quality, function was smooth, and empties were pushed out with the help of an orange stick. As this is being written, the new gun has not been named, but the price has been tentatively set at slightly under \$30. Paul plans to market the gun direct, and you can get yours by writing to him at 3109 Armitage Avenue, Chicago 34, Ill.

## Boyt Gear Bags, Scabbards

Jim Boyt has recently released a line of 21 ounce tan canvas bags that will hold a great deal of gear. Rugged, yet good-looking, bags have heavy-duty zippers, are water repellent, and the stiff padded bottoms of these bags won't crack or break.



One of Jim's scabbards has done yeoman service for us for quite some time. This is a fleece-lined, leather scabbard with zipper, that can be used either as a conventional carrying and transport case or, when fastened to the saddle, will double as scabbard. Guns carried in such a case have been bounced around in our Checker station wagon, a Jeep, and on horseback, and the scabbard has given the guns and scopes excellent protection.

## Ammo Loading Dope

Du Pont recently published their latest loading data for rifles and pistols and using, of course, du Pont powders. A fast check on

some of our pet loads showed that loads are well within safe limits. The handy reference tables are yours for the asking; just write to Explosives Dept. E. I. du Pont de Nemours & Co., Inc., Dept. G-2, Wilmington 98, Delaware.

## Breda for Skeet, Trap

The well-known Breda Mark II auto is now available in special trap and skeet grades and both guns are stocked to U.S. specification. The skeet gun has a 26 inch



tube bored Skeet, Glow-Worm front sight, and is available in 12 and 20 gauge. The price tag on this gun is \$210.

The Breda trap gun has a Monte Carlo comb, 30" full choke barrel, comes in 12 gauge only, and retails for \$219.50. Both guns have the Simmons Deluxe ventilated rib. Bores are chrome lined, and the Mark II has a tool-less take-down.

## Scope Covers

On a recent elk hunt in Idaho with Ray Speer and Fred Huntington, boss of the RCBS operation, Fred sported a .280 Magnum custom gun that he had used on his African safari. The gun was a dandy, but what intrigued us most, were the scope covers. Made of rubber, the covers are looped onto the barrel, and a flick of the finger on the rear cover pops it and the front cover off faster than any other scope cover we have even seen or used. When Vernon Speer offered to fly us to Fred's shop in Oroville, Cal., we grabbed at the chance. This was an excellent excuse to get some of these Ka-Ram-Ba scope covers for our Redfield 3X-9X Variable and we placed several orders for these covers with Fred for some of our other hunting scopes. When Fred coined the phrase "Prescioneered" for his tools and reloading equipment, he hit the nail right on the head—a tour through the plant convinced us of this.

## C-H Die News

The well-known C-H H tool has a new look. Now called the Universal H Press, the construction of this model is similar to that of the old H tool, but the tool is now a three die unit. Stations 1 and 3 have become our favorite for seating bullets since they are located on the outside and thus easily accessible.

Also new in the C-H line is a collet-type

(Continued on page 63)

# RECEIVED TOO LATE FOR HUNTING SEASON KLEIN'S LOSS IS YOUR GAIN! SAVE NOW! BUT HURRY!

**Cash or Credit  
NO  
MONEY DOWN  
30 DAY FREE TRIAL**

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**U. S. SPRINGFIELD M1903-30/06**  
SPRINGFIELD M1903'S LIMITED QUANTITY! Most popular military rifle for sporting use of them all... and this lot are all Model 1903-A1's with high number Nickel-Steel receivers, milled working parts. Made in Government military condition, assembled, 3-shot clip, 3-shot magazine. Adjustable rear leaf sight, blade front sight. 43 1/4" overall. 8.69 lbs. American Walnut stock. Good to Very Good Condition.  
C20-T1980K... Prepaid **\$36.38**  
B20-T1000. AMMO. 30/06 156 gr. 120 rounds... \$7.20

## WAR SURPLUS!

**U. S. M-1 GARAND RIFLE**  
Finest lot we've seen! Limited quantity! Famous World War II automatic rifle, in popular 30/06 caliber. All in NRA Very Good Condition or better. 8-shot, 24" barrel, 42" overall.  
C20-T28. Only... **\$79.95**  
GARAND IN "LIKE NEW" CONDITION. All specially selected and certified perfect by Milt Klein!... Order now, these won't last!  
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Only 36" overall, weighs only 5 1/2-lbs. Shows only slight use, lightly oiled, test fired and head spaced, ready for shooting. Turned down bolt, thumb safety, 6-shot clip feed. Rear open sight. Fast loading and fast follow-up.  
C20-T1186. Specially Priced... **\$12.88**  
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C20-T751. 6.5 mm Italian military ammo with free 6-shot clip, 108 rds. \$7.50

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**TASCO VARIABLE POWER SCOPE!... 3X TO 9X**  
Brand New!... First quality!... Made by Tasco with a lot of the best you can have any power you want from 3 to 9. Field of view 14-in. to 30-in. Crosshair reticle. Magnesium fluoride lens. Lenses, windage and elevation click stops, parallax corrected, nitrogen filled for fog proofing. Large eye piece and objective. 1" tube, cowhide lens caps. Overall 12". 4-oz. Compare to \$69.95 Scopes Elsewhere! B20-T693K. Prepaid **\$34.88**  
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2 1/2X or 4X SCOPES—CROSSHAIR or POST and CROSSHAIR RETICLE. All the quality and features of B20-T693 described plus Fixed Reticle—always accurately centered. Compare to \$37.50 elsewhere! State choice of reticle.  
B20-T1187X. 2 1/2X or 4X. State Choice. Prepaid Price... **\$19.88**  
**\$189.50 Value!**

**SALE! New Matador 10 Gauge Magnum**  
SAVE \$80 NOW! But Hurry! they won't last! Brand new famous Firearms International MATADOR 10-gauge (30 1/2") shot! Magnum Shotgun. Drop out price due to slight change in forthcoming model. Made for F-1 by Aya of Spain. Perfect for ducks and geese to 100 yds. for fox and quail. Shot other 27" or 31" Magnum shells. 32" full choked barrels. Engraved receiver, selective automatic ejectors, double safety underlocks. Checkered French Walnut stock and beaver tail forearm. 49" overall. 8 1/2 lbs.  
C20-T72. Certified \$189.50 Mr's. List... **\$129.50**  
B20-T72. 10 Ga. 3 1/2" Magnum shells, specify BB, #2 or #4 shot, \$7.20 for 25. Ammo shipped Express Collect.

## SALE! NEW WINCHESTER FEATHERWEIGHT AUTO SHOTGUN

**12 Gauge**  
SAVE over \$40. Brand new Winchester Model 50 FEATHERWEIGHT Automatic Shotgun. First quality factory packed. Latest Model. 12 gauge, 30" barrel, full choke, 3-shot. Easy, fast take-down. Select Walnut stock. Weighs only 8 1/2 lbs.; 49 1/2" overall.  
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**Your Choice of Genuine Walnut or Lined Oak**  
Completely assembled and finished. Beautifully made of cabinet hardwood hand rubbed to a lustrous finish. Keeps your guns safe, dresses up your den, holds 8 guns. Barrel racks and stock pits green felt lined. Full width drawer holds accessories. Looks for sliding glass doors and drawer. 65 1/2" x 28 1/2" x 12 1/2" deep. State choice of genuine oak with lined or finish on beautiful roan oak stained. High top. Felt Collect from Indiana. Wt. 77 lbs. Certified \$95.95  
Mr's. List... \$20-22... **\$67.77**

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B20-T21—MEN: State suit size (34-48). LADIES: State dress size (30-40).  
SALE PRICE... **\$14.99**

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Brand New! Cost U. S. Gov't \$14.90! Heavy oil-tanned waterproofed cowhide uppers securely attached to oil rubber, fabric lined bottoms. Cleated soles. Cowhide faces. 2 pair felt insoles included. Sizes 8, 10, 11, or 12.  
B20-T46. State size, only... **\$4.99** Add \$1.00 P.P. Handling

## NEW! FINEST 9 TRANSISTOR WALKIE-TALKIE

Perfect for Hunters, Fishermen, Farmers, Campers, Police Work, Contractors, Surveyors, TV Repairmen!  
Anyone Can Use... No License Required... FCC Approved!  
Small enough to hold... light enough for your pocket... yet ranges up to a mile! 9-transistors in each unit for clear performance for the serious minded outdoorsman and outdoor worker! Do not confuse with gimmicky "walkie-talkies" having battery wearing radios and other gadgets. Easily operated with push-to-talk switch, volume control, telescoping chromed antenna. 7 night batteries included... cheaply and easily replaced anywhere. Plays to 1500 hours intermittently. Rugged army metal housing with baked-on orkline finish. 2 1/2" x 1 1/2" x 6 1/2" lbs. Genuine leather case, straps, handle. Private earphone with leather case included. Shipped Postpaid during Sale only!  
FP90-T91ST—Each MAYFAIR Walkie-Talkie... **\$49.88**  
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**ALL MILLED PARTS—ALL N.R.A.—Very good or better!**  
**U.S. MODEL 1917 RIFLE**  
30/06 SPRINGFIELD CALIBER  
Famed 30/06 Caliber  
In the lowest price rifle in the most desired 30/06 Springfield caliber! Known supplies are very limited—more are not likely to be available! Top gun authority Major General Julian S. Hatcher in Hatcher's Notebook says of the U. S. Model 1917 Rifle: "Basically a typical Mauser, it was improved in several respects, and has a bolt and receiver of high grade Nickel steel that gave it a superbly strong action." General Hatcher further says: "many tests over the years have shown the Model 1917 barrels will always outwear the .03 Springfield barrels."  
Specifications: 6-shot, top loading, 1 in 10" 5-groove 28" barrel with sharp clean rifling, rifle overall 46 3/4". Peep sight adjustable from 200 to 1600 yards, blade front sight. Foolproof safety. Turned down bolt. American Walnut Stock and hand guard with sling swivels. All milled parts, perfect shooting condition!  
C20-T138. M1917 Rifle made by Eddystone... \$29.88. C20-T34. Made by Remington or Winchester... \$34.95  
30/06 WITH NEW TASCO HIGH POWER SCOPES INSTALLED READY TO SHOOT  
C20-T1298. M1917 Rifle made by Eddystone mounted with a Tasco 3 1/2" 4 power scope... \$38.85  
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**DELUXE MARLIN 336C!**  
RECOIL PAD. SWIVELS. BRAND NEW factory packed De Luxe models with full Marlin warranty. Famous Marlin fast short throw lever action. Tubular magazine holds 7 shots. Famous Marlin Micro-Grooved barrel. Hooded ramp front sight. adjustable open rear sight, receiver drilled tapped for all popular scope mounts. 20" barrel, 38 1/2" overall, 7 lbs. Included FREE! factory fitted recoil pad, sling swivels and oiled leather sling with brass-fittings. State choice of 30/30 or .35 Remington caliber.  
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MARLIN 336C WITH 2 1/2X to 8X SCOPE. Mounted... Ready to Shoot! Tasco fine quality variable power scope changes power from 2 1/2X all the way up to 8 instantly. Nitrogen filled, magnesium fluoride coated lenses, crosshair reticle. Leather lens caps. Tip-off mounts. State caliber choice.  
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Compare at \$152.15 elsewhere! State 30/30 or .35 Cal.

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**.303 British Caliber**  
**ENFIELD SPORTER**  
OR WITHOUT SCOPES...  
Amazing low price due to huge special purchase from British Air Ministry! The finest lot of Enfield No. 1, Mark III Rifles we've seen... and possibly the last of this quality that may be available for a long, long time! Buy with complete assurance your gun will be near as good as new... with clean sharp rifling... with smooth, oiled fine-grained Walnut stock with little appreciable wearing of wood. Sporterized stock has good clean lines, balances well—permits fast handling. Rear sight adjustable for windage and elevation, blade front sight. Turned-down bolt handle, solid brass butt-plate, 10-shot removable clip, sling swivels. 44 1/2" overall. 303 British Caliber.  
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Double action only. 25 or 6 shot. 10 1/2" overall. Hinged frame, break-open action, fixed sights, hard rubber grips. Good condition outside. Perfect mechanically.  
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U.S. Government M1917 Service Revolvers. .45 ACP caliber—6 half-moon clips included 3 1/2" barrel. Blued finish. Good condition inside and out. Extra worth \$50. Limited quantity.  
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**RIFLE SHOOTING**

Every month of the year presents opportunities for shooting fun. By far, more people shoot during the hunting seasons than at any other time of the year. But many sportsmen seek off-season shooting enjoyment.

Prior to hunting season, nationwide sporting rifle and sighting-in day programs are conducted annually by NRA. Successful hunters know the value of sighting-in and practice with their sporting arms before hunting season.

During winter months, gun enthusiasts take the opportunity to sporterize military rifles, load their own ammunition, carve or check stocks and grips and take care of minor gun repairs. Others utilize the thousands of target ranges, indoors and outdoors, for shooting practice and competition.

There is a wide choice of rifle shooting activities. On indoor ranges at 50 feet, firing can be done in any one of four shooting positions. Bullseye targets, game targets, and luck targets add to the variety and fun. Outdoors, shooters have the opportunity to test their skills at longer ranges with .22 caliber and high power rifles. All shooting positions plus bench rests are used. Where space is limited, accurate pellet and air guns afford many hours of invaluable marksmanship practice at 15 and 25 feet.

**BIG GAME AND  
SMALL GAME  
HUNTING**

Pistol shooting has become one of the fastest growing sports in America. Indoor pistol firing is done on 50-foot ranges, usually with .22 caliber pistols. Outdoor firing with .22, .38 and .45 caliber pistols provides shooting fun in all but the coldest months.

To supplement conventional shotgun shooting conducted by skeet and trap clubs, NRA provides shotgun qualification courses suitable for hand and foot traps that propel clay bird targets. Recognition and awards for target shooting as well as hunting are provided for NRA members.

In spring and summer months, most landowners welcome marksmen with the equipment and know-how for varmint shooting. Woodchuck, crow, fox, coyote, wildcats and other predators can increase hunting enjoyment, according to regulations of the various states.

As an NRA member you can take full advantage of the opportunities for year around shooting fun.

### You Can Be Proud to Belong

500,000 HUNTERS AND SHOOTERS—the members of NRA—invite you to join the National Rifle Association and enjoy the many benefits reserved for members. NRA members have a common bond of interest in firearms and their proper use. You can be proud to belong, because NRA is one of America's oldest and best-known associations. Through the years, NRA's membership rolls have carried the names of sportsmen from every walk of life, including five presidents of the United States. In addition to serving its members, the National Rifle Association serves the Nation. For example, millions of boys and girls have been taught the safe and proper handling of firearms. Another public safety project is NRA's Nationwide Hunter Safety Course with over one million graduates.



# You Belong in the National Rifle Association

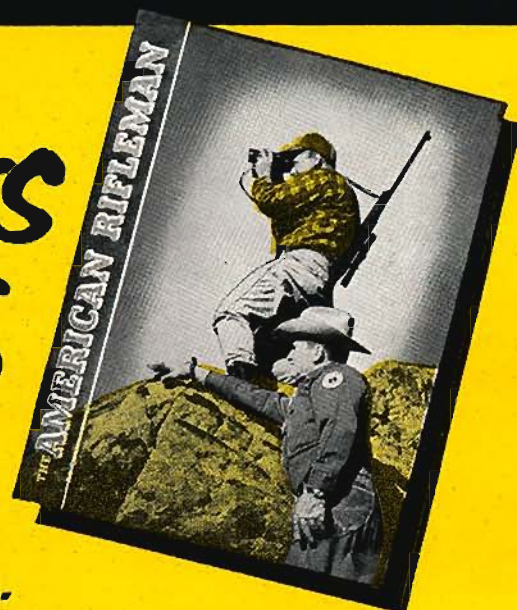
## Fun as an N.R.A. MEMBER!!!

### YOURS—ALL THESE MEMBERSHIP BENEFITS FOR ONLY \$5

- ▶ **HUNTING SERVICE.** NRA Hunter Bulletins and *American Rifleman* articles cover game availability, shooting preserves, gun laws and game laws. NRA Hunter Awards are issued for deer, antelope, elk and big horn sheep. Marksmanship improvement programs are conducted the year around by NRA affiliated clubs, including a nationwide "Sighting-in-Day" as a public service to hunters.
- ▶ **FIREARMS INFORMATION SERVICE.** Qualified men give practical answers to queries related to guns and shooting. New gun owners are welcome to write, as are veteran shooters. Plans for shooting ranges are also available to members and member clubs.
- ▶ **RECREATIONAL SHOOTING SERVICE.** Hometown matches and leagues are provided for NRA members using .22 caliber and high power rifles and all calibers of pistols. Competition continues through state, national and international tournaments. A National Classification system insures equal opportunities for winning awards. Qualification courses, fun matches, plinking courses and informal shooting games are provided the year around.
- ▶ **GOVERNMENT EQUIPMENT SALES.** As available, NRA members are eligible to purchase from the Army such firearms as Springfield rifles, M1 (Garand) rifles and .45 caliber pistols at surplus or cost-to-government prices. Ammunition and military targets are also available for sale to NRA members by the Army.
- ▶ **FIREARMS LEGISLATIVE SERVICE.** NRA members receive monthly gun legislation information through the *American Rifleman*. Bills requiring emergency action are reported to members concerned through special bulletins.

#### THIS FAMOUS MAGAZINE.

#### THE AMERICAN RIFLEMAN



The world of guns and shooting is thoroughly covered in NRA's magazine—*The American Rifleman*. Readers keep abreast of shooting and hunting activities, relive firearms history, learn the practical use of guns—how to buy, shoot, and care for them—and where and how to hunt for maximum enjoyment. Ammunition, reloading equipment and methods, amateur gunsmithing, shooting programs and gun legislation are subjects fully presented on a continuing basis.

*The Rifleman* comes to you each month as one of your NRA membership services.

#### Preserve Your Right to Own Guns

Every citizen has a vital interest in his right to possess and use firearms. Since 1871 the National Rifle Association has stood against ill advised attempts to disarm our citizens through anti-firearms laws. NRA must continue to

take the lead in turning the tide of uninformed anti-firearms opinion. We need the voice and support of every American citizen who believes in the fundamental concept of the right to keep and bear arms.

#### ... These Popular NRA Services, too!

- Low cost gun and personal accident insurance.
- Use of NRA's Book Service which makes available reasonably priced books, manuals and other items of general interest to gun enthusiasts.
- Opportunity to qualify as an NRA Certified Rifle, Pistol or Hunter-Safety Instructor.
- Free home range plans and other useful printed materials on specialized subjects.
- Introductions to NRA-affiliated clubs in your area—or help in organizing your own club.
- Invitations to NRA's Annual Meetings, Banquets, Firearms Exhibits and National Matches.
- Complete set of credentials, including your own membership card and a decal emblem for your car.



NRA Headquarters Bldg. THE NATIONAL RIFLE ASSOCIATION, chartered in 1871, is a non-profit association, supported by membership dues. The Association is recognized by federal statute, but receives no financial assistance from Congress.

## Join Now—MAIL COUPON TODAY **Bonus!**

Please enter my subscription to THE AMERICAN RIFLEMAN, enroll me as an NRA MEMBER and send my lapel button.\*

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**NATIONAL RIFLE ASSOCIATION 603-02**

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\*Confirming application & details will also be mailed.

USE THIS APPLICATION

# FIREARMS CONTROL IN THE UNITED STATES

*WHEREVER two or three do-gooders gather to end crime by means of anti-gun legislation, someone always suggests, "Let's get a policeman to side with us." It is unfortunate but true that a few backward-thinking law enforcement officers do join such causes. But modern police policy is in the other direction—as this joint action by The National Police Officers Association of America and The National Shooting Sports Foundation proves. If anti-gun action is threatened in your community, show this to any police officer who supports it. Guns don't make crime! And criminals don't obey the laws. These are facts which the do-gooders willfully ignore.*

**WHEREAS:** The beginning history of our nation was written and our sovereignty assured by the heroic sacrifice of volunteer riflemen, adept in their use and armed by their own personal weapons, and

**WHEREAS:** The professional military forces of our country have through the conflicts of the past relied upon trained citizen soldiers who were capable in the use of firearms, and

**WHEREAS:** It is reasonable to believe that a capable and well armed citizenry, as a potential backup to our regular forces, could well deter an aggressor from our shores, and effectively assist in interdicting the enemy's progress, should he effect a bridgehead, and

**WHEREAS:** Restrictive anti-gun laws have never been, and never will be a successful deterrent to crime, organized or otherwise, and

**WHEREAS:** Restrictive anti-gun laws do not succeed in disarming the criminal, but do disarm the law abiding citizen, thus denying the law abiding citizen effective self-defense, as well as jeopardizing his opportunities for training in the use of firearms, and discouraging his hunting and gun sports afield. We, the undersigned, make the following statements for and in behalf of the National Police Officers Association of America and National Shooting Sports Foundation, Inc. in the best interests of all law abiding citizens of the United States of America:

Proper training in the safe and effective use of firearms is as important to the health and security of our Nation now as it was in the early days of our National History, when the "Minutemen" with their rifles and their knowledge of musketry rallied so gallantly to our cause.

The shooting sports, consisting largely of wholesome activity in the great outdoors, hunting the game of field and marsh, or participating in the competitive gun sports, contributes importantly to our nation's health and physical fitness.

Gun laws today, as they all too often exist at the Federal, State, and local levels of government, frequently resolve into a conglomeration of contradictory mandates that are difficult if not impossible to effectively and impartially enforce. When such inept gun laws do appear they disarm or severely restrict the law abiding citizen in legitimately owning a firearm, thereby depriving such citizen of his rightful heritage to own, become proficient in, and to use a firearm in competition and recreational activities. The person of criminal intent could not be less interested in vague, unenforceable gun laws. Only the law respect-

ing citizen will how to obey, thus forfeiting his precious common law right of self protection in his castle; in addition depriving himself of healthful pursuits of shooting sports afield; and thus is lost beyond recall his revered heritage of the "Minutemen of Lexington and Concord."

Ill-planned, restrictive gun laws consistently disarm and bind the law respecting citizen, eliminating any possibility of his assisting in the daily fight against crime, by placing him in a passive pose wherein he is unable to protect himself, family or premises.

**BE IT RESOLVED THEREFORE:** That we, the undersigned, do urgently recommend in the light of the aforesaid, that all gun laws now existing within the Federal Government, and the several States be codified within the clear intent of the United States Constitution and that all enactments in consonance with this subject be carefully forged so as to protect the rightful heritage of the law abiding American citizen to have and to hold firearms in lawful pursuits of gun sports, for his self protection, and in the light of the armed citizen's importance in our National defense.

**BE IT FURTHER RESOLVED:** That we now commend the prosecutors of the Federal Government and the various States for the vigorous action taken on their part in the prosecution of criminals committing felonies while armed with a firearm. And, further, strongly recommend to the courts a continuance of the policy of strict enforcement of the penalties prescribed wherein a crime is aggravated by the use of a firearm.

**BE IT FURTHER RESOLVED:** That we believe that an American citizen of voting age or a member of the United States Armed Forces, of what ever age, should have the right to legally purchase, without restriction, a handgun, rifle, air rifle, shotgun, or a like item, excepting fully automatic firearms.

**BE IT FURTHER RESOLVED:** That we believe in the value of the National Rifle Association sponsored Hunter Safety Program, and recommend its adoption by all States of the United States as a qualification precedent to the issuing of hunting licenses.

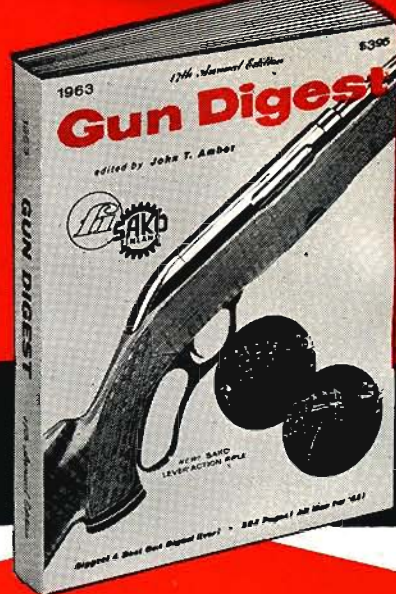
**SIGNED:**

THE NATIONAL POLICE OFFICERS  
ASSOCIATION OF AMERICA  
NATIONAL SHOOTING SPORTS  
FOUNDATION, INC.

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# *JACK 'Artful Dodger'*

## *SNIPE*



Jack is not hard to kill; he is merely hard to hit. "He zigged when I zagged," is the typical complaint of the snipe hunter, and the mark of the man in the know is — plenty of ammunition.

Featherweight Winchester Model 12 makes a fine snipe gun. The gauge makes little difference, but your gun should be light enough for long walks.





Long beak, mottled marking on back are identifying marks of Wilson or jacksnipe. Call is distinctive.

Bud Pritchard admires handful of delicious snipe at end of hunt when weather turned cold and windy.

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## THIS NOISY, ZIGZAG LITTLE SPEEDSTER IS DUE FOR A COMEBACK

By GENE HORNBECK

**T**HE WIND blowing out of the west had gathered a wintry chill as it crossed the Nebraska sand hills, and on the marsh before us, ducks moved in nervous groups, stirred by the urge for their southward migration. But we were not there for ducks. This was the opening days of Nebraska's jacksnipe season, and we were after our eight-bird limits of "artful dodgers." In case you didn't know it, with snipe, wanting and getting are different stories!

The Wilson snipe, or jacksnipe, is found almost everywhere in the United States, in varying numbers. I have hunted him in Michigan and Wisconsin, in the Dakotas, in Kansas, and in Nebraska. Years back, in my father's day for example, snipe shooting was considered the ultimate in shotgun sport, and hunters from every corner of the country could find common ground in discussing, often profanely, the snipe's erratic flight pattern and how best to hit him. Today, I am constantly surprised by the number of experienced upland gunners to whom jack is a stranger as a shotgun target.

This is not strange, really, when you know the story. Snipe populations were decimated by the drought years

of the thirties, to the point that seasons were closed over a twelve-year period.

During that period, many factors combined to dim the memories of old jacksnipe addicts; and of course the newcomers didn't know him. One of those factors was the boom in ringneck pheasant populations in the late thirties and early forties. There was a similar increase in cottontail populations in many areas, and there was a steady growth of big game herds. Hunters who might otherwise have hunted snipe were thus beguiled to spend their limited vacation time on other targets.

Today, reports (conflicting but nevertheless disturbing) suggest a present or near-future reduction in wildfowl gunning; this at a time when hunting pressures (that is, the number of hunters in the fields) are setting annual all-time highs. To me, this means that the jacksnipe is about to be "rediscovered." If this is true, a lot of gunners are due for new shooting excitement.

On the day previously mentioned, I was hunting the edges of Nebraska's Ballards Marsh, a public use area in Cherry County. My companion was C. G. "Bud" Pritchard, a Lincoln wildlife artist. Bud (Continued on page 49)



# *Faster Than* **BILLY the KID!**

**Lincoln County**  
NEW MEXICO

GOLDEN ANNIVERSARY  
**FASTDRAW**  
CONTEST

Each Day A  
Separate Shoot

NEW MEXICO  
1912 - 1962  
Golden Anniversary

\$1,600.00  
Cash Prizes!

Shooters Can  
Compete Both  
Days!

Woman's  
Division  
Both Days!

**September 22 - 23, 1962**  
Lincoln, New Mexico

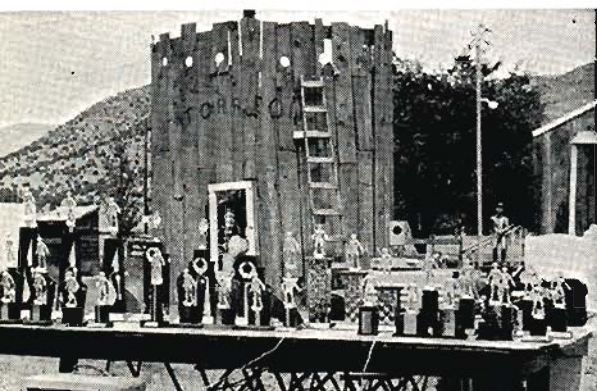
Hosts: **THE ROVING GUNSLINGERS**  
FEATURING  
Chuck Monell - George Virgines - Vince Vaccarino

**"BILLY the KID" TROPHY**  
A special trophy designed by New Mexico artist  
to be awarded to the winner of the contest

**GUNS FASTER THAN BILLY'S OWN ECHOED HERE  
AS NEW-STYLE GUNMEN SHOT IT OUT**



Plenty of trophies were offered, and the contest was fast and furious. During break, the Roving Gunslingers (top), Chuck Monell, Vince Vaccarino, and George Virgines, put on comedy act for crowd.



By GEORGE E. VIRGINES

NOT SINCE the days of Billy the Kid and the Lincoln County War has the old town of Lincoln, New Mexico, echoed with gunfire as it did at the recent and first Fast Draw contest ever held without bloodshed in the state of New Mexico. Attracted by the \$1,600 in cash awards, and the 67 trophies offered, shooters from California, Nevada, Arizona, Texas, Colorado, and New Mexico met for two days of highly competitive shooting. Just as in the days when Billy himself, and Tom O'Falliard and Dave Rudabaugh and Pat Garrett and Bob Ollinger and the others, walked it's dusty street, the fast guns of the Southwest gathered in Lincoln. But they were shooting for sport now, shooting wax bullets "against the clock," not lead against lead, with life in the balance.

But this would not have been the only surprise Billy would have encountered had he been in Lincoln during this meeting. The guns were much the same as the ones he knew, but he would have wondered about the holsters. Having missed the Hollywood era of the cowboy, he would have been amused by the fancy wearing apparel worn by the shooters; doubtless he would have called them dudes and doubted their ability with the guns they wore. But he would have had a rude awakening, for there were gunmen here faster than any Billy ever knew. One can imagine his eyes widening in amazement as those dudes drew and fired (and hit!), time after time, in fractions of a second. He would have watched for a while and then, perhaps, slipped back into the hills, where things were more familiar.

Surely no setting could be more appropriate for a Fast Draw contest than this historic little home town of the little gunman who, for better or worse, has become a western legend. The date was equally apt: the Golden Anniversary year of New Mexico's admission to statehood. The stage for the contest was the ground on which, once each year, the people of Lincoln County re-enact as an annual pageant the "Last Escape of Billy the Kid" from the old Lincoln County court house in 1881. The story has been told and retold, how Billy shot one of his guards, Bell, in the courthouse stairway, then picked up a double-barreled shotgun and shuffled on manacled feet to the window to blast two loads of buck into the body of the man he hated worst, Bob Ollinger. Each year, thousands of tourists visit Lincoln to see that escape re-enacted. Few men have "died" as many times as Ollinger has done on the street of Lincoln, and perhaps this is poetic justice; Bob must have loved death, else why did he say so often that the thing he wanted most of anything in the world was to see Billy "dance on air" from the arm of a gallows?

No better proof could be found of the public interest in Fast Draw as a sport than the enthusiastic support New Mexico gave this contest—unless it might be the wrapt attention and applause (*Continued on page 53*)



Sheriff W. G. Bradley of Lincoln County hands over Billy the Kid trophy to top gun C. E. Hook of Texas.



Winners and hosts of the fast draw contest posed with their hard-earned trophies. "Unusual" weather did not dampen the spirits of visiting shooters.





Telephoto lens captured this very desirable bull elk while grazing.

# "Bring Your Own



Rain and fog below, and snow in the mountains was the steady fare the weatherman served up. Here a pack train gets ready to bring in my elk.

## MOVING PICTURE CAMERAS LENT NEW ANGLES TO ELK HUNT IN IDAHO HIGH COUNTRY

By R. A. STEINDLER

**R** EPORT to our plant in Lewiston on October 7th. Bring a gun of at least .30 caliber. Keep hunting gear to a minimum, but be prepared for rain and snow. We'll be hunting elk, deer, bear—for the movies, remember, so bring your own make-up!"

That message from Wally Titus, public relations man for Speer Products, was not exactly unexpected, but it was exciting. Ray and Vernon Speer,

and Fred Huntington, boss of the RCBS reloading equipment shop, had briefed me on their plan to make a "hunting in the high country" movie, so I was ready and waiting; but they hadn't told me that Titus had a private line to weather headquarters. He must have it; he sure hit it on the button about the weather. When it was not raining, it snowed. And snowed some more.

Having recently completed the job of working up some loads for my Dumoulin .308 Norma Magnum carbine, I decided to take this gun as my first choice. The 165 grain Speer bullet, pushed along by 60 grains of 4064 fired with CCI #200 primers, consistently groups 1 1/4 inches at 100 yards. With the 20 1/2 inch barrel, repeated tests on my Hollywood chrono-

graph indicated that this load had a muzzle velocity of around 2570 fps, a fact I was able to confirm later on the Speer range. By careful experimentation, Ray Speer and I pushed this up to an average muzzle velocity of 3011 fps. The Dumoulin with its short barrel and Mannlicher-type stock would, I felt, make a fine scabbard gun, and with the Redfield 3X-9X Variable scope, I would have the ideal gun-scope combination. Later experiences proved this assumption to be correct.

As a spare gun, I took my custom Griffin & Howe .30-06. The 165 grain Speer bullet, and 59 grains of 4350 with CCI #200 primer, regularly delivers 3/4 inch groups, and with the 4X Nickel scope in the Pachmayr Lo-



Regardless of weather, filming went on under Maitland's direction. Paul Christman helped load elk quarters from meat house to Jeep to Cessna.



# Make-up!"

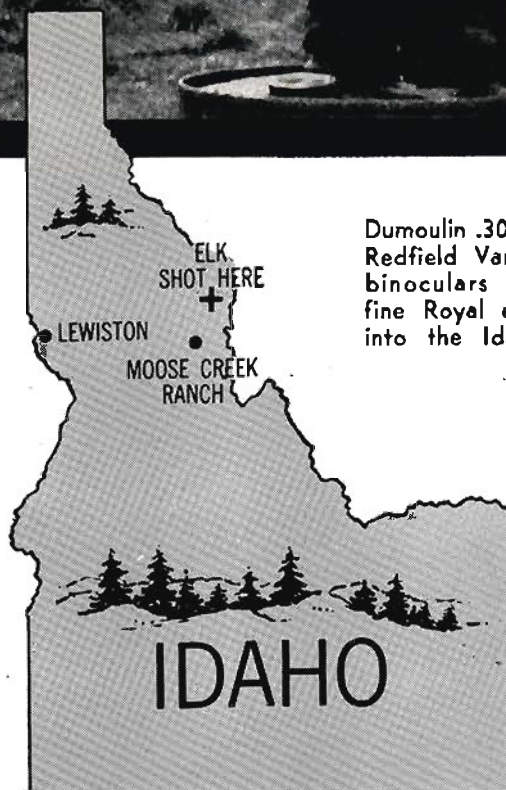


During a lull in snow storm, this was the view from Bailey Mt. camp.

Swing mount, I have the option of using the Lyman 48 sight if I feel so inclined.

Keeping gear to a minimum, yet taking enough stuff for changes and varying temperatures, proved to be something of a chore, but eventually I got all my duffel packed and loaded into my heavy-duty Checker station wagon. Despite predictions of snow and cold, the trip was smooth as silk and sunny. But that was the last sunshine I saw until we left the Selway-Bitterroot Wilderness area 12 days later.

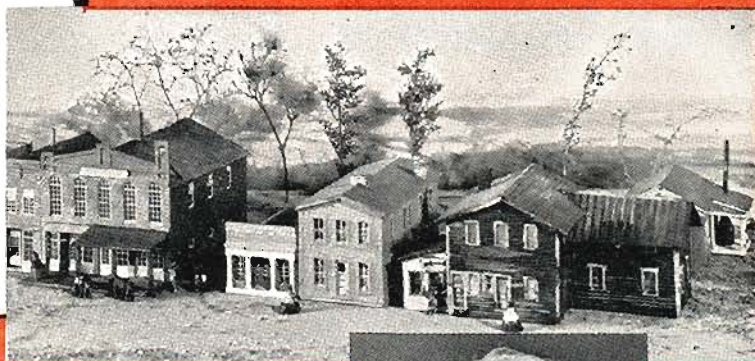
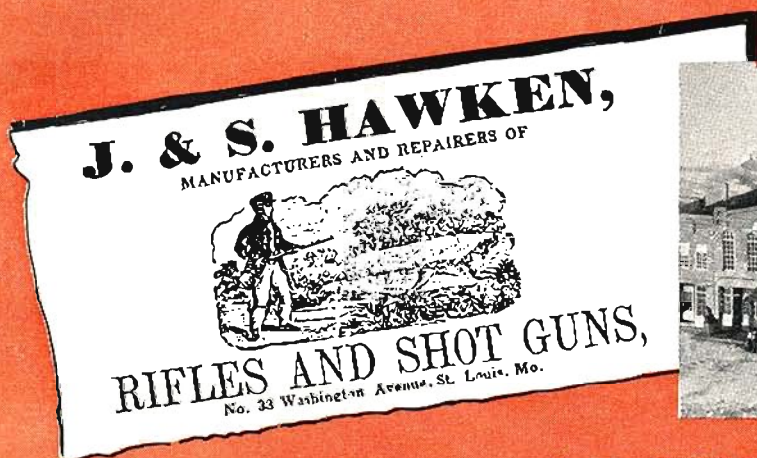
I had long been looking forward to a bull session with Ray Speer and Bill Steiger, the man behind the ballistics data found in the Speer handloading manual. While Wally and Vernon Speer gave me the grand tour through the plant, Ray saw to it that their indoor range would be available for some experiments we had discussed for some time. I double-checked my loads and the sights on my rifles, and with Bill's help managed to get all of my test loads chronographed before heading into the backwoods country. That evening, Fred Huntington flew his Bonanza up from Oroville, and later I met Maitland Stewart, the movie director and camera man from Hollywood. Loading our gear, guns, and cameras into the two Speer-owned Cessna planes (*Continued on page 39*)



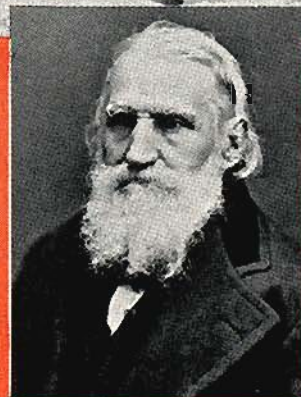
Dumoulin .308 Norma Magnum carbine, a Redfield Variable scope, and the Zeiss binoculars helped in collecting this fine Royal elk rack on memorable trip into the Idaho Selway Primitive area.

The 165 gr. Speer bullets expanded very well in all the major, minor game animals.





Model of 1860 Denver street shows Hawken shop in white lean-to near center. Samuel Hawken was one of the most skilled gunsmiths of era.

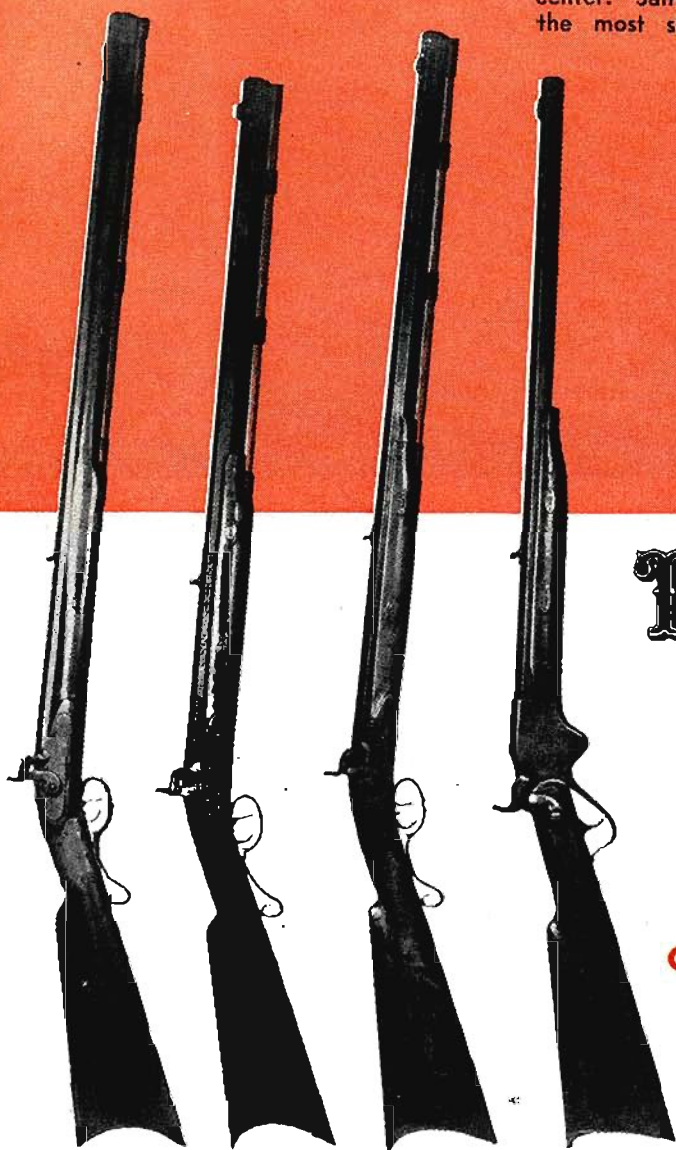


# HAWKEN:

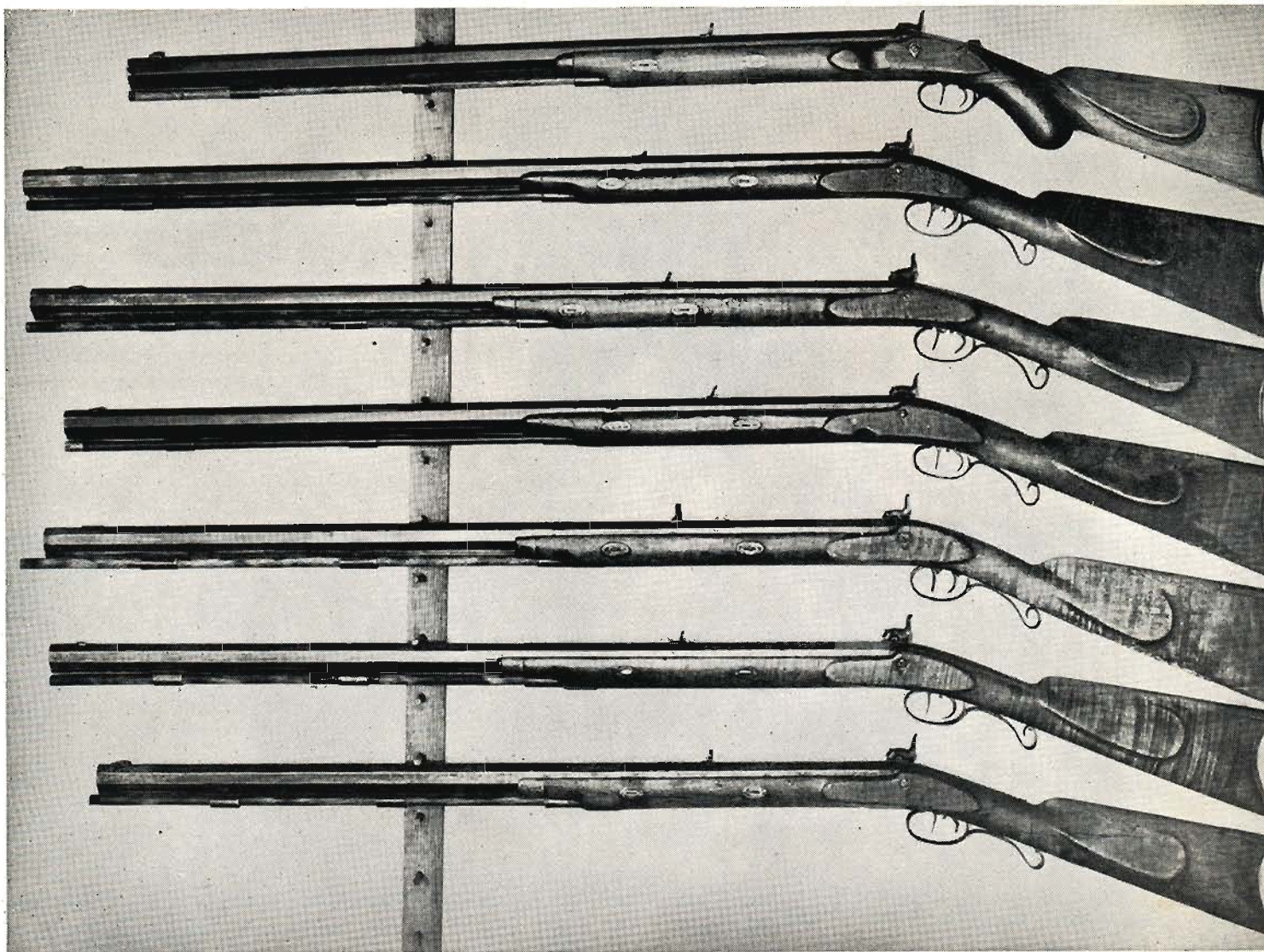
## THE HALLMARK OF QUALITY

THE HAWKEN NAME WAS A GUARANTEE  
OF QUALITY TO GUN-WISE MOUNTAIN MEN  
LIKE BRIDGER AND CARSON

By JAMES E. SERVEN



Early, full-stock Hawken rifle left. Center, two sturdy Sam Hawken half-stock mountain rifles, and a Spencer equipped with a special Hawken barrel.



Author's collection of seven Hawken rifles illustrates the typical broad butt stock, curved cheek piece, and the integral set triggers and trigger guard. Distinctive is the heavy octagonal barrel, the double barrel keys, the plain iron trim that does not reflect light, and the simple sights that could be repaired easily by a hunter.

IN MID-SUMMER of 1842 a little steamboat puffed westward up the Missouri river from St. Louis. Standing at the rail watching the wooded shore was Brevet Captain John C. Fremont who, with a small party, was headed upstream to Chouteau's Station. This was the first of four government-sponsored expeditions made by Fremont into the uncharted West—exciting journeys which were to win for Fremont nation-wide fame as “The Pathfinder.”

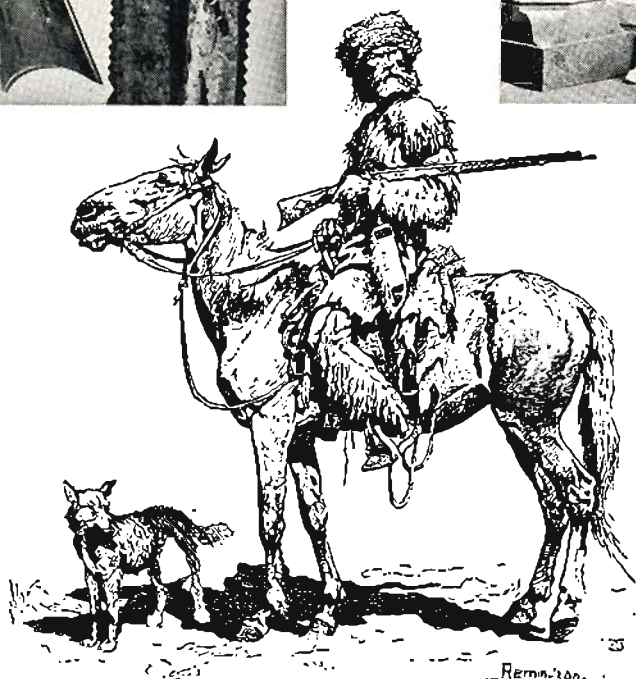
Captain Fremont noticed among the steamboat's passengers a keen-eyed, lithe man of medium height. This man was dressed in the rough style of the frontier, but he possessed a dignity and assured manner which set him apart. On engaging him in conversation Fremont learned that this frontiersman was none other than Christopher (Kit) Carson.

It was a very fortunate meeting for Fremont. Carson was induced to become the guide for Fremont's expedition, and here began a long and mutually profitable friendship.

The little steamboat put in at Chouteau's Station, and

there Fremont and Carson assembled and checked the supplies and equipment for their long journey. We are told in *Army Exploration in the American West* that, “Hawken rifles, ammunition, blankets, cooking kettles, pack saddles, mules, presents for the Indians” were among the supplies and equipment, most of which had come up from St. Louis, the principal outfitting center in those days for men who ventured westward.

There can be little doubt that Kit Carson was then carrying one of his several Hawken rifles, for a Hawken rifle was the most important single piece of equipment any experienced Mountain Man, trapper, hunter, or guide could then possess. Contemporary reports and diaries indicate that Hawken guns were owned by the famous frontiersmen James Clyman, Jim Bridger, Mariano Modena, and many, many others. In a newspaper interview, Sam Hawken once said that he had, in addition to the Fremont expedition, outfitted the earlier Anderson-Chambers expedition and the Ashley-Henry expedition. He said he made several rifles for Kit Carson. One of Carson's rifles was given to Edward



Hawken guns rarely had patch boxes, but Mariano Modena's gun, bought in St. Louis in 1833, was one of the few exceptions. Modena, right, was a famed mountain man.

Fitzgerald Beale who, in 1846 (when a young naval lieutenant), was a companion of Carson is an exciting adventure following the battle of San Pasqual. The Hawken rifle used by Carson at this time was given to Beale, whose heirs later presented it to President Theodore Roosevelt.

Another of Carson's Hawken rifles is preserved at Santa Fe, New Mexico, having been presented to Carson's Masonic lodge there following his death at Fort Lyon, Colorado, in 1868.

*The Daily New Mexican* of Jan. 12, 1869, carried this account of the Carson rifle's presentation, citing a letter written by Maj. John Thompson at Fort Garland, Colorado: "I send by the bearer this rifle carried by General Christopher Carson during his frontier life, which rifle was left by him in my possession until he should return from a visit over the



This Hawken rifle was used by scout, hunter Kit Carson.

mountains. But alas! he never returned, it having been the Divine will to cause us to mourn his death at Fort Lyon, Colorado. I deem it my duty . . . not as a member of this brotherhood, but as an intimate friend and associate of the distinguished deceased, to transmit this rifle to his brethren, who it is believed, will long cherish the memory of him while living, and so sadly lamented when dead."

Hawken rifles had great significance to those early men of the West. As historian Edwin L. Sabin has told us, the Hawken name in guns was comparable to "sterling" in silver. The name was often used as an adjective to describe a superlative product. When a westerner used the expression "Hawken hoss" he emphasized that it was a darned fine animal. The Hawken guns were very highly valued, and, although the price was held to a modest average of \$25 at St. Louis, spirited trades of furs, land, and other things were made to obtain one out on the frontier if ready cash was not available. One salty trapper known only by the name Killbuck traded a healthy squaw for "one of Jake Hawken's guns — this very one I'm now a-carryin'."

Dependable performance in a man's rifle might well stand between him and death on the frontier; the rifle, then, was a vitally important companion. We know that many of the men who explored the new paths for American expansion westward favored these sturdy rifles turned out by Jake and Sam Hawken. Let us now learn something about the men who produced the rifles, and why they earned their excellent reputation. We'll want to know why it was, when a man decided to head west, he usually proceeded as did a gentleman named La Bonté, thus described in George Frederick Ruxton's *Life in the Far West*: "He made the acquaintance of an old trapper about to start for the mountains in a few days to hunt on the head waters of Platte and Green River . . . he immediately set about equipping himself for the expedition. To effect this, he first of all visited the gun-store of Hawken, whose rifles are renowned in the mountains, and exchanged his own piece, which was of very small bore, for a regular mountain rifle."

During the past 15 years it has been my privilege to correspond with a number of Hawken descendants and to enjoy advices from most of the sources where data regarding the Hawken is preserved. Some data is contradictory, but for the most part—the important matters—the story is reasonably clear.

Jacob W. and Samuel T. Hawken were born in Maryland, in 1783 and 1792 respectively, the sons of Henry and Julienne Hawken. They were of Holland Dutch and Welsh descent. It appears that from the first the Hawken were gun-makers, Jacob and Samuel learning the trade from their father. They soon became best known to their friends as Jake and Sam, and that is the way I shall (Continued on page 43)

FROM THE Royal Small Arms Factory, Enfield, comes the announcement that they have produced a kit of component parts capable of converting the ubiquitous .303 British Service Rifle No. 4 to fire the NATO 7.62 mm. high velocity rimless ammunition. The attraction of being able to fire rimless ammunition with all its inherent advantages, coupled with the opportunity of standardising small arms ammunition, will make this news doubly welcome to the many countries using the No. 4 Rifle.

While the design of the replacement components has been in existence for some considerable time, the approving

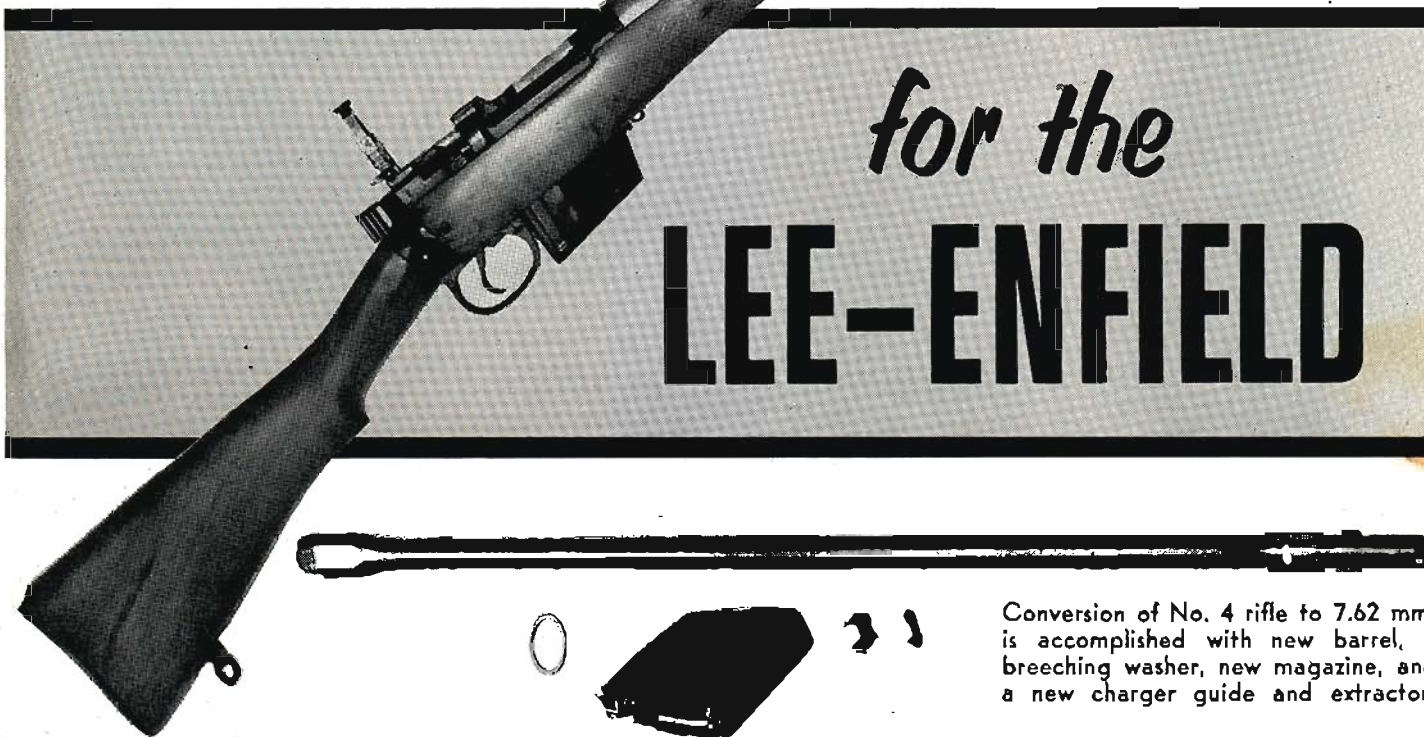
## STILL IN USE AROUND THE WORLD, THE ENFIELD NO. 4 NOW GOES NATO

THE WAR OFFICE  
Whitehall, S. W. 1  
London

# NEW

# LOOK

# for the LEE-ENFIELD



Conversion of No. 4 rifle to 7.62 mm. is accomplished with new barrel, a breeching washer, new magazine, and a new charger guide and extractor.

authority have required the most exhaustive trials to ensure that the converted rifle has a performance at least comparable with that of its .303 counterpart. Because the No. 4 Rifle is in service in all parts of the world, the approving trials have had to test the rifle not only for its accuracy and rapid rate of fire, for both of which it has become famous, but also for its functioning under conditions simulating deserts or sandy landing beaches and the wet muddy conditions of tropical and monsoon areas. Only after these searching trials had been successfully completed could the Director General of Artillery, the approving authority for small arms in the War

Office, approve the conversion as suitable for British military service.

In the light of the widespread distribution of the No. 4 Rifle, it was necessary that the design of the conversion components should eliminate any need to drill or machine the remaining rifle components. This aim has been achieved in the design of the barrel, magazine, extractor, charger guide, and breeching washer which comprise the conversion kit.

The new 7.62 mm. barrel has the external configuration of the old No. 4, but is made from a special chromium molybdenum alloy steel developed for rifle barrels since the No. 4 originally went into service. It therefore has in-

trinsically superior characteristics to the original barrel, promoting even longer life, which is further enhanced by the hard chromium plating of the cartridge chamber, giving not only longer life but consistent extraction and improved corrosion resistance.

The magazine is a completely redesigned assembly suitable for the 7.62 mm. cartridge, but which fits directly into the existing magazine aperture of the rifle without modification of the rifle body. As a result of the new shape and slightly reduced size, although still holding 10 rounds as did the earlier rifle, the magazine is more robust and presents a slightly better silhouette; promoting a (Continued on page 52)

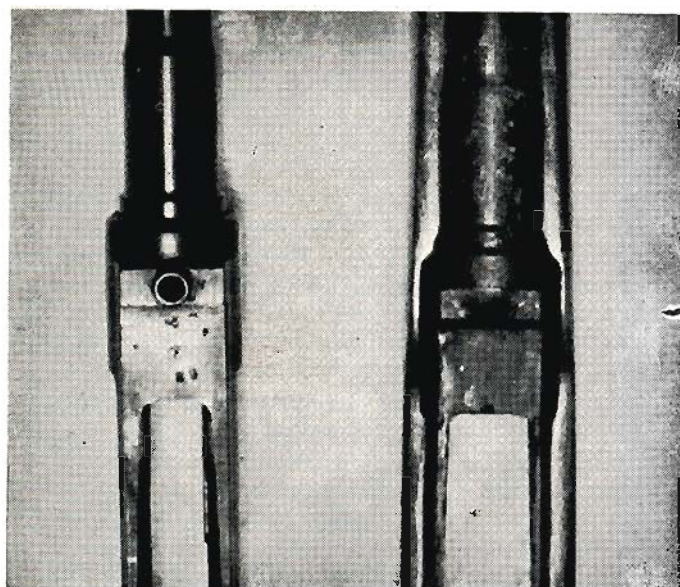
**"HOT" NEW LOADS CAUSE MUCH TALK  
OF BARREL EROSION. MASTERS SAYS  
IT'S AN OVER-RATED PROBLEM—  
AND PROCEEDS TO PROVE IT**

By JOHN A. MASTERS

**TOO  
MUCH HEAT,  
TOO LITTLE  
LIGHT!**



Barrel wear is tested (top) in rifle built by Curry at right. Gann, bottom, shows off .250 Curry Magnum. Gun was fired 8,000 times before it was rebored to caliber .270.



Section of stock, right, shows how barrel and receiver is carefully glass-bedded so that metal fits smoothly to wood. This forestalls barrel setback in guns that fire the hot, "barrel eating," highly accurate, super-speed cartridges.



**H**AVE YOU ever considered what happens when you squeeze the trigger of your rifle? The firing pin falls, striking the primer. The pressure-sensitive primer mixture ignites, and a hot jet of flame lances through the flashhole in the case, setting fire to the powder. The powder burns, releasing tremendous quantities of hot gases. Confined, these gases build up pressure—45-50,000 pounds per square inch in many rifles—until the inertia of the bullet and the friction between it and the neck of the case is overcome. The bullet starts to move. The hot gas follows it down the bore, until the bullet's exit at the muzzle releases the pressure—and you hear the “BOOM.”

The combination of the heat of the gas and the heat generated by the friction between the bullet and the steel of the bore raises the temperature of the bore to a point where very minute quantities of the steel are eroded away in the form of gas. Thus, every shot you fire wears the barrel away a microscopically small amount. This is erosion.

Barrel erosion first becomes noticeable at the throat of the bore. After repeated firing, enough metal is removed to permit its visual detection. The hotter the load, the more erosion. Many a rifleman, after firing a few hundred rounds of today's hot ones, has looked through the bore of his pet firearm, noted the beginning of erosion at the throat, and has sadly concluded that old Betsy's days are numbered. He got little comfort from the experts; a lot of pretty giddy stuff has been written about the shortness of barrel life with the super-speed loads. And most of it, I contend, and will proceed to prove, is hogwash!

I am a “hot” cartridge *aficionado*. Most of my shooting buddies are similarly inclined. Hanging on my rack is a .22-250, a 7 mm based on necked-up .264 Winchester brass, a .250 Curry Magnum, and a 8 mm Magnum which is simply the .338 Winchester necked to 8 mm. All of these

monsters gulp powder greedily, and if I can believe what I have read many times, are doomed to a short existence, the way I pour slugs through them. But I go happily along, shooting all I choose to, never bothering to check the throat or the bore—*because, despite extensive use, none of my rifles shows any tendency to throw its shots wild.* Furthermore, I do not expect any decrease in accuracy during my shooting lifetime.

Let's consider some of the things, *other than barrel wear*, which affect a rifle's accuracy. Even a fine custom built arm, whose stock was lovingly inletted and shaped by its maker, tends to “take a set” as it is repeatedly fired. The barrel lug, which is normally immediately under the front guard screw, may set back in the stock, and the tang just behind the rear guard screw may do likewise. What this amounts to is that the barrel may move rearward enough to change its fit in the barrel groove slightly. This is in no wise the fault of the stocker. No one can predict wood behavior exactly. But where recoil is severe, this set-back unbedding is quite apt to take place coincidental with the blackening of old Betsy's throat; yet barrel wear gets the blame, and more fuel is added to the argument.

What to do about it? First, on a new stock, make sure the tang is relieved slightly, so that the metal does not make contact with the wood. Second, glass-bed the action and the barrel (*not* the magazine and trigger guard). Glass bedding material is virtually incompressible, and it is moisture proof and warp resistant.

How do you sight in your hunting rifle? Do you whang madly away, believing that only a ten shot group will tell the story? Don't do it! How many times have you had ten fast shots at game? Why not shoot three shot groups, *from a cold barrel*? That's a lot nearer to what you'll do while hunting, and is the true test of a *hunting* rifle. Try the three-shot-cold-barrel treat— (Continued on page 46)



From the left: .257 Weatherby M, .250 Curry M, .257 R, .250/3000 Savage, .22/250, .222 Rem. M, and the .222 Rem. The Weatherby, the Curry, and .22/250 are said to be hard on barrels.



In the usual order: .270 Win., .270 Weatherby M, .30-06, .300 Weatherby M, .264 Win., .264/7mm, .30-338, the 8mm M on .338 brass. All these cartridges, with the exception of the .270 Winchester and the .30-06, produce undue barrel wear.

By HOWARD C. SARVIS



The "hideous god of war" is the personal enemy of the rifleman.

**I**N a recent issue, GUNS provided a forum for discussion of Army marksmanship under the title, "Why Are Army Riflemen Bum Shots?" Let's boil the pot.

"Army marksmanship" means all things to all men, from match shooting at Camp Perry to area squad fire into real estate where lurking enemy is suspected but not seen. "Army marksmanship" is truly a hatful of crickets.

The rifle is still the most numerous arm in all armies. It is the most economical, versatile, and portable of all weapons, and the most lethal if it is handled right. Great weapons may start wars, but it is the man with a rifle who

will finish them, whether they be brush-fire or nuclear. All other weapons, all men, all operations, all the complicated equipment of war, are in support of the GI rifleman, designed to create the climax toward which all else is aimed—the moment when riflemen will face the enemy at close range with a weapon he can carry and whatever courage it engenders in him. In the past, doing this, he has taken a casualty far exceeding that of any other military service.

The rifleman is a lonely man at this moment of climax—a man who must make lonely decisions in split-seconds which are as soul-searching and crucial as those of any commander: Do I see an

# the G.I. must meet the HIDEOUS GOD

**OTHER WEAPONS MAY START A WAR,  
BUT IT'S THE GI RIFLEMAN WHO MUST BE  
TRAINED TO WIN IT, AS ALWAYS**



A new, and fully automated, version of the hideous god of war can give even expert riflemen a first class case of jitters. Remote controlled, the motile target dodges, crawls, runs, but collapses when hit by a rifle bullet.

enemy? Where is he now? Where will he reappear? Can I hit him? Will he shoot back if I miss? Shall I shoot or run away? Is my aim good enough now, or shall I try for better? Decisions made, he executes them with his own mind and body, betting his life on the outcome.

If he is a "bum" shot, he loses this bet, and the cause he is defending loses. He has been groomed, disciplined, trained, transported halfway around the world; all resources have been tapped to provide for his needs, from medical care to Thanksgiving turkey; but if he is a bum shot, all this is in vain. The bet is lost.

If he is a bum shot, it doesn't matter who was responsible. *We* are responsible if we tolerate it. You, and me, and Senator Doe, and General Doakes. If we are complacent—if we countenance buck-passing, mediocrity, oversight, delays—it will be of us that a future historian, writing of the fate of the USA, will quote the Bard—

*"... Him did you leave,  
Second to none, unseparated  
by you, To look upon  
the hideous god of war  
In disadvantage; . . ."*

What can we do?

As individuals and as groups—shooting clubs, service clubs, veterans' organizations, political and military groups

—we can insist on, *demand*, a positive, comprehensive, cohesive, and continuous program of marksmanship. There is no end in sight for improvement, and efforts in this direction should not stop as long as we use the rifle as a weapon.

Do not suppose that there is any such well-organized program in existence today. True, there are thousands in the Army who think about marksmanship, and in some cases are supposed to do something about it. But these efforts are isolated, vague, or at cross-purposes, more often based on mere opinion than on sound research, continually disrupted by frequent duty reassignments, and always dogged by an exaggerated respect for rank. There is not even, within the Army, a well-defined clearing house for marksmanship ideas; and as for ideas from outside, from the 20 million or so civilian rifle owners, many of the highest competence—there is no official doorway for their ideas; there is often resentment against them as "civilian crackpots."

Army efforts to bolster the ground soldier trend heavily to hardware. For instance we are betting a big stack of dollars—almost 800 miles high, in silver, by my computation—to change over from .30-06 to 7.62 mm NATO in rifle caliber. This makes logistics sense, perhaps, but does not gain us much in rifle effectiveness. As Gen. Shoup, Com-

mandant of the Marines, said about it, "We are not short of the weapon to kill the enemy . . . If the individual marine is not equipped with that one weapon, the M14 rifle, he is equipped with a rifle that we have today, an M1 or the '03 rifle. He has something that will be able to kill the enemy as surely as he can shoot the rifle . . ." That's talking my language, and let's talk some more.

The man, the rifle and the target make up the interacting trinity of marksmanship. Many books have been written about the first two; practically nothing about the last. The living target—as distinguished from inert paper and cardboard—has two broad distinctions: infinite variety, and guile. By variety, I mean differences and changes of size, shape, contrast with surroundings, movement, and exposure time. Guile of targets may be passive, such as protective coloring and a tendency to remain in or near concealment; or it may be active if they learn that they are targets and put forth all their resources to become non-targets. With game, this may be only evasion, taking cover, or getting out of range; with enemy personnel it may consist of those three, or it may include counter shooting-back action. These skills of the target complicate the aiming problems, distract the shooter, unless he has great self-assurance (*Continued on page 51*)

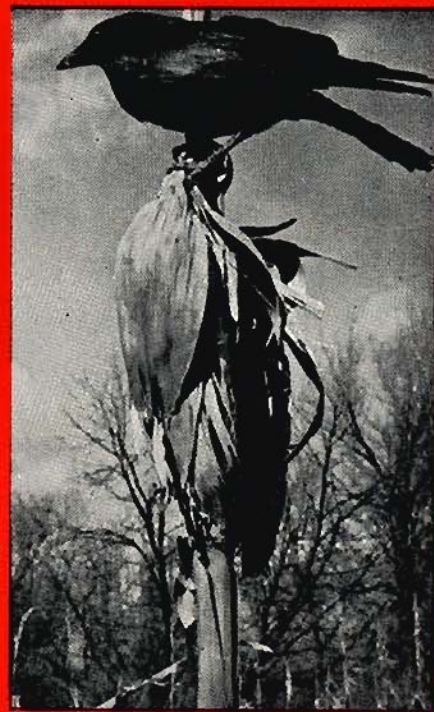
# No Hunting Like CROW HUNTING

By BERT POPOWSKI



Red Watt, Bert Popowski work over a flyway with pre-tuned calls. Dead crows prove their skill.

**BRE'ER CROW IS SMART, BUT HE IS  
TOPS FOR SHOTGUN PRACTICE**



Hard-hunted and elusive, the crow is a prime target for many shotgunners.

**T**HE WILY CROW has been fabled in song and story for a thousand years as an exceedingly canny bird. Close association with man has packed a lot of wisdom into his small body, and that same closeness to human observation has birthed countless tales about him, some definitely of the long-bow variety, but some repeatedly proven.

It goes without saying, of course, that some crows are smarter than others, but the average is high. The crow hunter, if he is to be successful most of the time, must adjust to the high IQ of his target or expect ego-deflating disappointments. To paraphrase an old saying, to outwit crows, you have to be smarter than a crow—which isn't easy! Thinking from the crows viewpoint will help.

For instance: one of the commoner observations about crow sagacity is that he is tame as a barnyard chicken when a man is toting a pitchfork or similar object, but is eagle-wild when the man appears with a gun. The reason is probably simple enough: the man acts differently when he becomes a hunter, and the gun reflects light from metal and varnish as no pitchfork does. Crows have studied hunters down through the ages, and he knows the signals.

Another oft-told tale is that of the crow "lookout," the sentry bird which perches, hungry and alone, ready to warn his feeding fellows of any threat to their safety. I very much

doubt it! I've glassed a good many of these apparent "look-outs," and seen them preening their feathers or drowsing in the sun, a far cry from the storied attitude of self-sacrificing alertness. Naturally, when these birds do detect danger, they take off, yelling bloody murder. This warns their fellows, all right; but it also gets the "sentry" himself out of danger. I think the latter is his sole objective.

Nesting crows provide still another explanation of this "lookout" business. While his wife is on eggs, the cock crow takes a perch that suits his comfort—in the lee of the grove if its windy, in the shade if the sun is hot, in the sun if the air is cold. From here, he observes the movement of wildlife. If he sees a hen pheasant leaving her nest, he considers the fine meal of eggs or young which she may have left behind her. A doe cottontail may similarly reveal the site of her nestful of helpless young. And songbirds, intent on food-carrying flights to their own nests, betray those nests to the crow lookout.

Certainly that kind of minute observation may also expose the stalking hunter. This nimrod, unless he is smarter than a crow, will be sneaking along, ducking from cover to cover, peering hither and yon to locate a target. Such stealth is old stuff to crows. The "lookout" sees it and takes off with raucous shouts that sound very much like derisive laughter... It's better to walk straight up and straight ahead toward crow hangouts. I've found that, by doing just that, with my gun clamped firmly against the leg furthest from where crows may be, so that it doesn't reflect light or make a separate outline, I can get into position without arousing much crow suspicion. I have even done this with a crow-call

in my mouth, making crow calls as I walked, and calling birds within gunshot while still strolling.

Once, using that method, I walked up to within 100 yards of an elm in which seven crows were perched—a family group of two adults and five full-feathered youngsters. The old birds were suspicious, but the youngsters liked that spot and wouldn't fly. At that 100 yard range, I sat down, still keeping my Ithaca as well concealed as possible, and began calling. This was unusual behavior, and curiosity kills crows as well as cats. Three birds came over for a look-see. I shot all three. The remaining four came boiling in to see what all the fuss was about, and I lowered the boom on them also.

Every hunter knows this trick of the "I'm not interested in you" attitude. It works, not always but often, with deer, pheasant, and other game. Keep walking as if not interested, and they may stand fast, figuring you haven't seen them. Stop walking and wheel toward them, and they're off in a panic. In cattle country, where animals are used to riders, a mounted hunter can often ride within easy range of game, where any attempt to stalk would result in failure.

But the real secret of productive crow hunting is the proper use of the mouth-powered call. But it has to be done right, and what isn't generally known is that the caller's diaphragm, lungs, and vocal cords *all* contribute to the right tone. Merely blowing through the gadget is useless. No reed has yet been devised that can match the loan of the caller's vocal cords, softly but firmly "growling" to lend their vibration to the too-sharp and too-shrill vibration of a reed actuated only by air. *(Continued on page 42)*



Crow calling is an art that must be perfected before you can expect results. Birds are wary and concealment is a necessity for crow hunters.

This caricature of Bert is the work of Gordon Elliott. Popowski established crow hunting as sport, wrote book and many articles about it.



Here Bert shows that it can be done, that crows can be called and shot and that survivors can be called back.



# FOR MEN ONLY: THE COLT'S NEW SERVICE

WHEN THE United States Post Office Department took the Colt New Service .45 ACP revolvers away from its employees and replaced them with snub-nosed guns chambered for the squib .38 S&W cartridge, one of the world's truly great handguns lost its last official place in the sun. Another great heavyweight champion was forced into retirement, to live only in the records.

Well, the record of the Colt New Service is a long and honorable one. It was the official sidearm of the U. S. Immigration Border Patrol, of the Royal Canadian Mounted Police (formerly the Royal Northwest Mounted), of the Philippine Constabulary, of the New York State Police, of the United States Army, Navy, and Marine, and others. It went with Admiral Peary to the North Pole, with Admiral Byrd to both Poles, with Roy Chapman Andrews on his explorations in the Mongolian Desert, with Vilhjalmur Stefansson along 2000 miles of Alaskan Rivers—to name only a few of its countless adventures. The man who owns one can well be proud of it... and most of us are.

Introduced in 1897, the Colt New Service has the largest

By RAY BEARSE

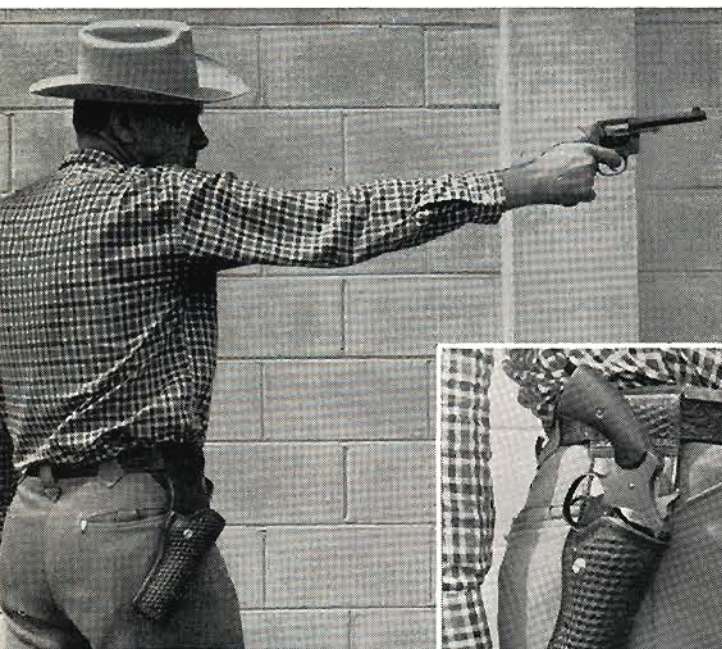
frame ever built on a double-action American-made revolver. It was made for big-fisted men, in man-size calibers. During its 46 years, it was made (first) in .45 Long Colt, then in .38-40, .44 Special, .44-40, .450 Eley, .455 Colt, .455 Eley, .476 Eley, and .45ACP. Early models had backstraps either blued or nickeled, but after 1930 it was given a matte finish to reduce glare. The standard Colt .45 with 4½" barrel weighs 39 ounces; 5½" barrel, 40 ounces; 7½" barrel, 42 ounces.

Commercial models had either hard black rubber, hand checkered, or machine checkered grips. Military models, excepting the U.S.M.C. 1909 model, were equipped with plain walnut grips. The standard model had a square butt and lanyard swivel, but round butt, with or without lanyard swivel, was available on special order.

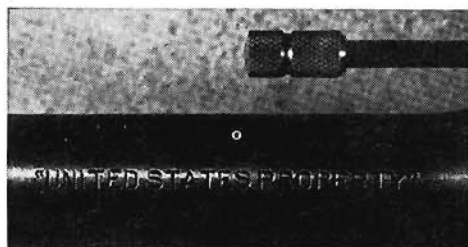
Various improvements were made. In 1905, at serial number 21,000, the Colt Positive Safety Lock was added. This is a steel bar that falls automatically between the hammer and the cartridge until the trigger is pulled. After World War I, a round cylinder latch replaced the original flat latch, and a knurled trigger replaced the original plain one.

The New Service Target revolver, also introduced in 1897, varied only in sights and other minor details. The Target Model, first offered in .45 Long Colt, was also made in .44 Special and .45 ACP. Barrel lengths were 6-inches (40½ ounces), and 7½-inches (42 ounces) in .45 Long Colt. The trigger, and the back and forestraps, were knurled; the top strap and back of the frame, in later years, were stippled to reduce glare. The action was hand honed, walnut stocks were hand-made and checkered.

The first perfect revolver score—100 points—was fired with a New Service Target Model on November 15, 1907. The world's revolver record for 20 shots at 20 yards (198 x 200, by Inspector T. V. Sandys-Wunsch, RCMP, January 20, 1922) was made with a Colt New Service. The



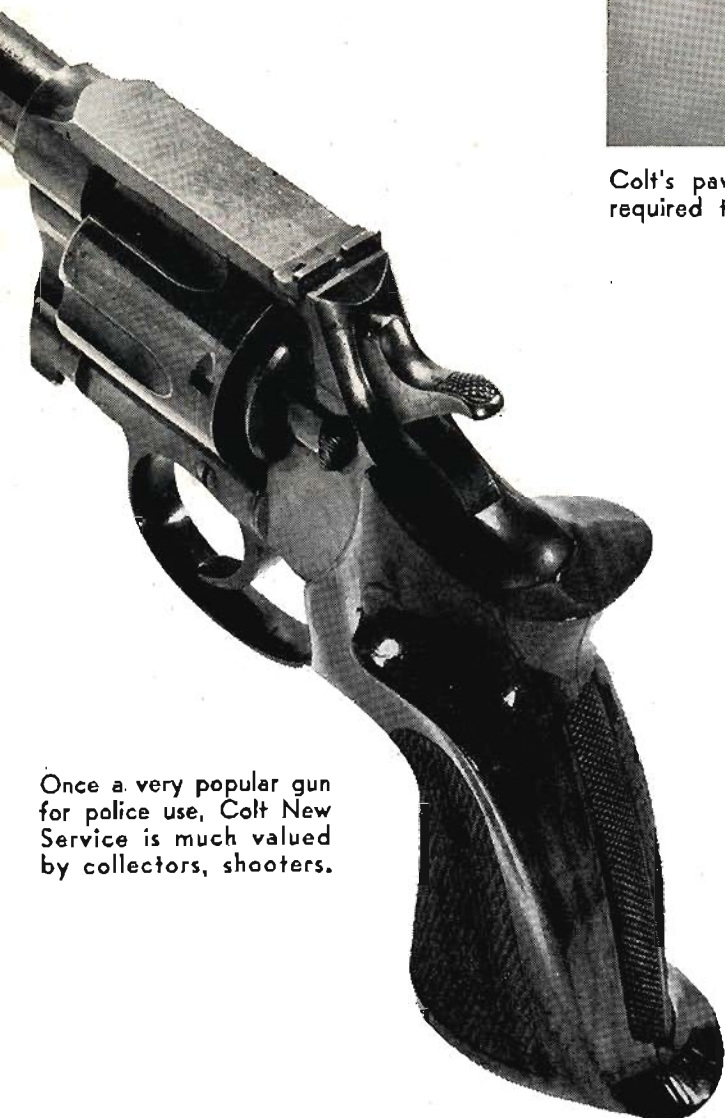
Colt New Service, Model 1917 .45 ACP rides well in Jordan Border Patrol holster made by the S.D. Myers Co., El Paso, Texas.



Typical U.S. government markings on a Colt New Service, Model 1917. Property stamp is under barrel, over ejector rod.



Colt's pawl, ratchet, and ejector assembly with half moon clip that is required to facilitate loading and ejection of the .45 ACP cartridges.



Once a very popular gun for police use, Colt New Service is much valued by collectors, shooters.

record remained unbroken for many years.

Shortly after the turn of the century, Army Ordnance began tests of automatic pistols, culminating in the adoption of the Model 1911 Colt automatic, a re-designed version of their Model 1905. This replaced the .38 Long Colt cartridge and revolver. The .38 Long Colt (adopted by the Navy in 1889 and by the Army in 1892 to replace the .45 Single Action Colt, Model P of 1873), which had failed as a man stopper against the fanatic Moros during the Philippine insurrection.

But the automatic had to wait its turn. In 1909, the Army adopted the New Service revolver and during the following year ordered 13,906. The Navy ordered a smaller, but unknown number. The Army and Navy Model of 1909 was identical to the standard model except that it was equipped with plain walnut stocks. The square butt had a lanyard swivel, and barrel length was 5½-inches. Officially, the gun was known as .45 Colt Model of 1909.

This gun was not chambered for the standard .45 Long Colt cartridge. In the so-called "Philippine" or Alaskan Model double action the thin rim of the .45 Long Colt cartridge—no problem in the Single Action Army—proved difficult to extract and eject; so the cartridge known as the .45 Colt Model of 1909 was made identical to the .45 Long Colt cartridge except for a slightly wider rim. Standard .45 Long Colt rim diameter ranged from .499 to .509 inch while the .45 Colt Model 1909 rim varied from .536 to .540 inch. The .45 M 1909 cartridge (Continued on page 54)

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Cal. .30-06



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Cal. 7.5 Swiss



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THE RIFLE OF THE MONTH! Gigantic NEW shipment of the superb Swiss Model 1911—Switzerland's finest—not to be confused with the old Model 1889 advertised elsewhere—above all, not to be confused with the un-standard, cumbersome, inaccurate short version (a Ye Old Hunter reject) which others may have the gall to offer. Insist only on a genuine 1911 Swiss—the rifle that insured Swiss neutrality. Original bayonets only \$1.95! NEW 7.5 Swiss Soft Point ammo only \$4.45 per 50.


**IMPROVED M40 TOKAREV!**  
Cal. 7.62 Russian



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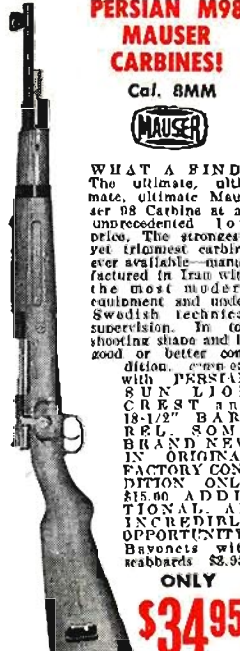


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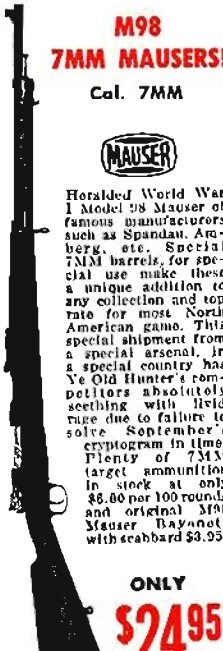
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Cal. 8MM



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Cal. 7MM



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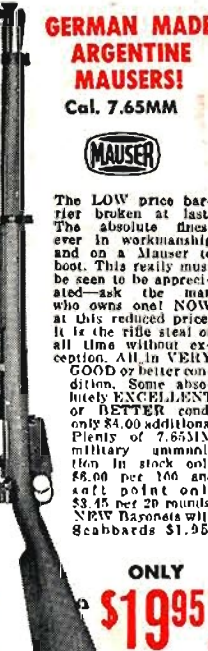
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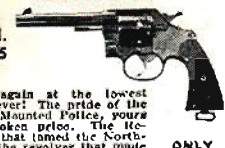
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(Those few with asterisk (\*) above are partially shottable but fully componentable.)

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YE OLD WESTERN HUNTER

200 SOUTH UNION STREET  
ALEXANDRIA 2, VIRGINIA  
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# "GUN

**"SINCE I'M ONE OF THEM,  
I OUGHT TO KNOW," SAYS  
THIS GUN NUT WHO TRADES  
FOR FUN AND FOR PROFIT**

For sale, trade, or swap are these excellent specimens here shown by author. First Model, First Issue S&W is near watch.

By WALTER H. CRAIG

**I** BEGAN collecting guns at the ripe old age of four. While playing in the attic of my grandmother's home here in Selma, Alabama, I found an old Civil War musket that had been in the attic for as long as anyone could remember. I took it apart, cleaned it, and played with it for a long time. It was an 1848 Whitney, and it was my first hunting gun. At the age of six I miraculously managed to knock a hoot owl out of a tree in our yard. The miracle was that I survived this feat. My charge was powder derived from a bunch of firecrackers; the shot was an over-load of air rifle pellets, and the percussion cap I found in an old dresser.

The upshot of this was that my dad bought me a .410 single barrel shotgun, thus prematurely ending my muzzle loading hunting days. From then on, I was hooked and I let it be known that I was collecting guns. Friends and neighbors gave me guns. The Police Department donated their junkers. Lots of guns came from my dad's friends. As cashier of the local bank, he had many rural friends who cleaned out their attics and dresser drawers and gave me their findings.

Back in the 1920's, Bannerman's was going full blast and you could get a pretty good collector's gun for a song. I

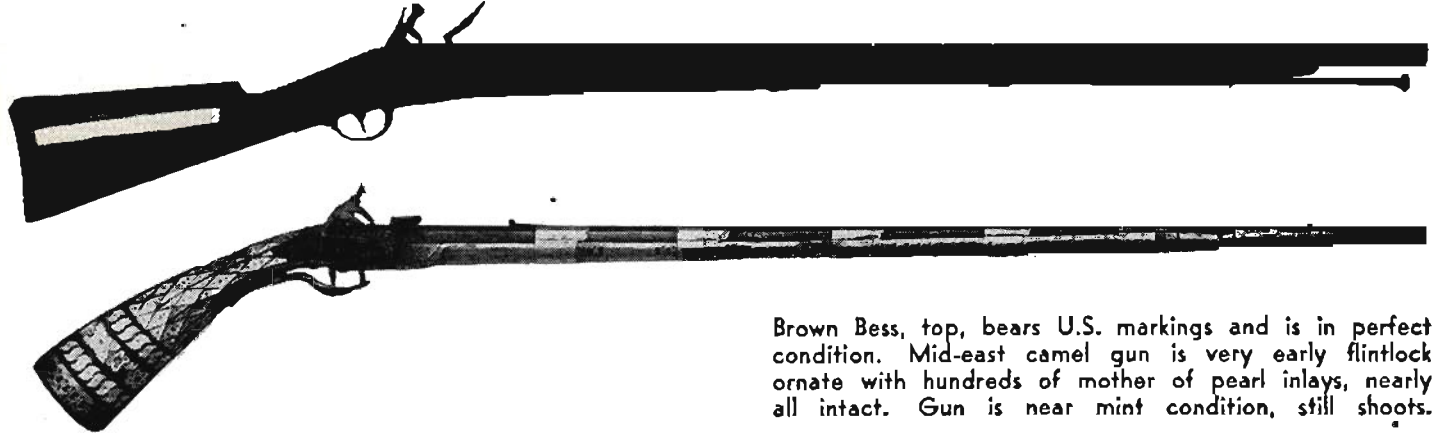


These guns were confiscated by Scotland Yard and the French Surete, were brought here for U.S. collectors.



Gun on top was made by Kreutner, Alabama, during Civil War. Two 1873 Springfields flank carbine collection.

# NUTS ARE CRAZY!"



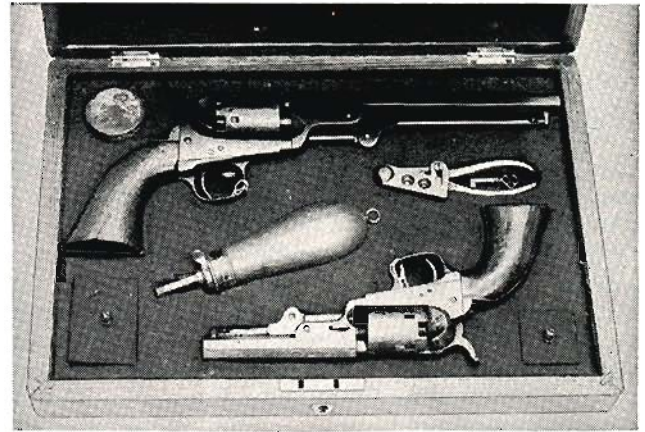
Brown Bess, top, bears U.S. markings and is in perfect condition. Mid-east camel gun is very early flintlock ornate with hundreds of mother of pearl inlays, nearly all intact. Gun is near mint condition, still shoots.

used to cut lawns, bring in coal and wood for neighbors, had a paper route, and caddied at the country club. I took every penny I could beg, borrow, or beat my folks out of and bought old guns. In a few years, I had filled a couple of rooms with more or less pure, unadulterated junk. But at about the age of 12, I started collecting with a purpose. My purpose: get any kind of gun that I could.

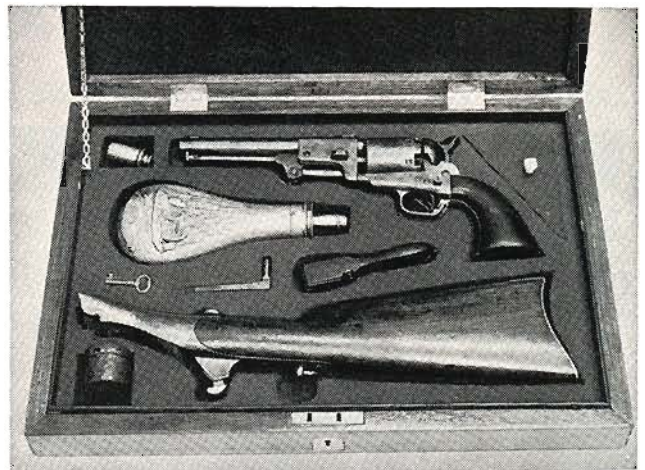
A few years later, I started collecting U.S. Military shoulder weapons; but I didn't swap off any of the junkers. I also began corresponding with other gun nuts. Since Selma was one of the last major battlegrounds of the Civil War, I had a fairly fertile field for finding these vintage guns. A friend was building a store and, in excavating for an elevator shaft, dug up several old rifles, rifle barrels, and parts. These were found near the site of the old Selma Arsenal, and I was asked to identify the junk. Another friend called me to find out what a "nearly new" flintlock musket marked U.S. Springfield was worth. I told him, "It doesn't matter what it is worth; just hold on to it for me and I'll be up in an hour to buy it." I didn't even finish my dinner and tore up the road getting there. When I arrived he brought out a Trap Door 1873 Springfield that had been cut off just behind the trigger guard. The whole outfit was about 18" long and absolutely worthless. When I asked him where he got the idea that it was flintlock, he answered, "Look at that big hammer on the side. Don't you know nothing about antique guns?" I'd have horse whipped him if I had a horse!

The long guns took up so much room that I again branched off. This time I took to collecting oddities. They proved much smaller and just as interesting, and luckily nobody wanted them, so they could be picked up fairly cheap. By now, the walls of a very large room were covered with guns and many of them were packed in boxes. As the oddities got more and more popular, and as a result increased in value, I began looking about for something else to collect.

So that I could devote more time to my guns, I got out of the wholesale grocery business and into politics. I supported the right man and was appointed to the Governor's cabinet. I realized that the Governor's term was for only four years,



Cased .36 caliber London Navy Colt and a .31 caliber Pocket Model Colt complete with mold that throws one bullet for each gun. Cased sets are in great demand.



Shoulder stock of cased Third Model Colt Dragoon bears serial number that is only 20 numbers different from the gun's number. Set is desirable collector's item.



A valuable representative group of Volcanic pistols, plus one of Colonel Sam Colt's First Model Dragons.

and decided that after my term expired I couldn't think of a business that I could possibly get into that I'd love more than the gun business. I started planning toward this end.

I began trading, selling or swapping some of the finer guns and putting the money into what I hope will be fast-moving items. Three years ago, I woke up to the fact that the little spur trigger guns, Saturday Night Specials, were the only inexpensive guns left. I let it be known that I'd buy any handgun with a spur trigger regardless of make, model, age, or condition. If they ever go up in value, I'll be a millionaire—I've got 'em running out of my ears. Every time I think that I have every possible name, I find another one. At the present, I have over 250 different names, such as the better known Defender, Dictator, and Red Jacket. But I also have guns with unfamiliar names like Widow Maker, Red Cloud, and Side Winder. These handguns are interesting for many reasons, and it seems there is no end to them. Some have the same name but differ in other ways. One may have a round barrel and another by the same name has an octagon barrel. Otherwise identical guns may have square

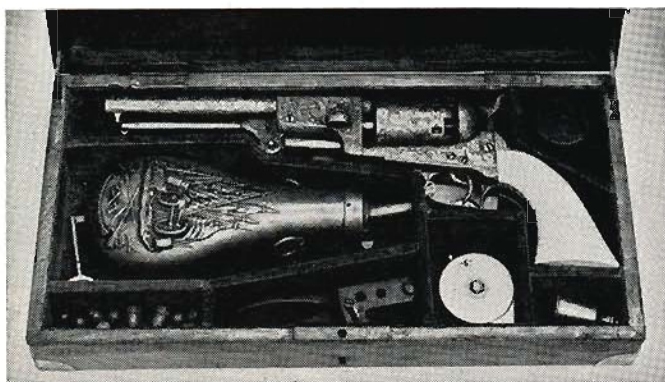
and birdshead butt grips, blue or nickel finish, and so on.

Gun nuts are just about the nuttiest nuts of all. In advertising, I try to be fair and run the gun down rather than over-praise it, but even so, sometimes I get a fellow who thinks I didn't describe it fairly. For instance, a couple of years ago I put out a list of cheapies I wanted to move, including some pure junk. The latter I listed like this: *The Following Are Rusty, Inoperative, Incomplete Junkers Not Worthy of Description—\$1.50 each.* Believe it or not, a guy right here in Alabama ordered one, returned it express collect and said, "It wasn't what I expected." I don't recall ever having a complaint from a customer on a really high-priced collectors' item, but the junk buyer is almost sure to complain.

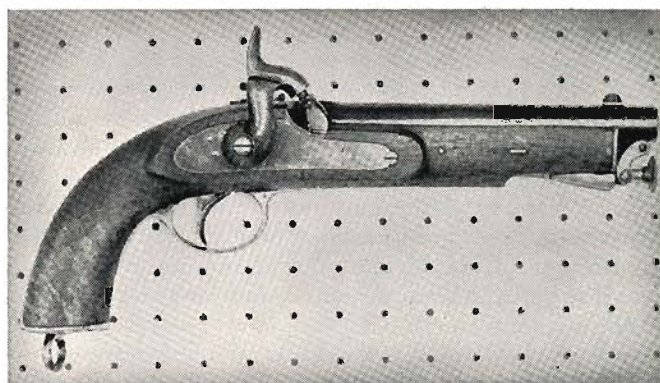
The most interesting guns I have ever stumbled upon are the hand-made ones from the Khyber and Kohat Passes in Pakistan's famed Northwest Frontier (See GUNS, August 1962). These were of several different types, with no two exactly alike. One group contained almost identical copies of the famous Webley revolver. By copying this design, the Afridi and Pathan backyard gunsmiths armed the fighting Moslem clans of Pakistan's warring Northwest. British proof marks were faked and stamped in the correct places, but often numerals or letters would be stamped on backwards or upside down. Some were marked, "Made in U.S.A." Some of these guns were very crude and rough, while others were apparently hand-made copies of the famous Martini action. All in all, a fascinating lot, and not one in shootable condition! Be sure you keep that in mind if you ever acquire one, because those folks didn't make them for our types of ammo. I am told they salvaged empty cases where possible, dug bullets out of target ranges, sanded the bullets smooth (which naturally reduced the size, which in turn reduced the pressure in the chamber), and that they used chopped up photographic film for "powder." This naturally gave very little pressure or velocity, but at close range was still very deadly.

At this point let me say that I strongly advise that no one ever shoot any type of collector's weapon unless it is first carefully checked and okayed by a competent gunsmith.

I've studied guns all these years and gradually have learned less and less about more and more guns, until I now feel that I know absolutely nothing about all guns. I don't even know if I am a gun collector who likes to swap, buy and sell, or if I am a full-fledged dealer who likes guns. Got anything to trade?



Engraved Second Model Colt Dragoon has serial number 9516, is complete with original accessories and case.



Cal. .65 brass trimmed, 14 inch long gun with case hardened lock, blue barrel is marked "Birmingham 1871."

## BRING YOUR MAKE-UP!

(Continued from page 21)

took only a few minutes, and an hour later, we landed at the Moose Creek Ranch—the elk hunter's idea of heaven.

The ranch is located in Area 17 of the Selway-Bitterroot Wilderness area, and although the mailing address is Orofino, Idaho, it is accessible only by air. The nearest road ends some 40 miles from the ranch, and the trail is passable only during a few short weeks each year. Four spike camps are maintained, and occupancy of them is carefully rotated so that none of the camp areas are over-hunted. Best of all, only members of your own hunting party are in the immediate hunting area. While we were in spike camp on Bailey Mountain, for instance, the nearest occupied camp was at Rhoda Creek, a long seven miles away.

As soon as lunch was finished, we checked our guns once more and started glassing the surrounding basins for elk. Paul and Irene Christman, who operate the Ranch, know where most of the elk herds are most of the time. However, the storm that was to plague us during our stay affected the game, and its whereabouts was anybody's guess. We did finally locate a small herd of elk, but just as we spotted them the sky clouded over and by nightfall we had a steady drizzle with falling temperature.

Next day, the cook from the Bailey spike camp arrived. There were eight inches of snow in camp, and horse feed was running short. Ray and Paul Christman decided that we would ride in the following morning and that the heavy gear and extra camp stuff could follow the next day with the pack train. We left the Ranch at 6 A.M. in fog and rain, and as we climbed higher, the rain turned to wet snow until, on the summit of Bailey Mountain—elevation 7,280 feet—we were facing an honest-to-gosh snow storm. Wistfully, Fred Huntington regaled us with tales of sunshine during his recent African safari and told us about the palm trees swaying in the gentle breezes in Oroville, California. All of us were darned glad when we arrived in the spike camp. After shoveling snow out and off the tents, our guides, Vance Baker and Dave Christiansen, got a hot dinner going in jig time. As the day waned, the storm increased and during the night we had to push snow off the tents and keep the ovens stoked.

In a war council, Ray was appointed expedition leader, and it was decided that we would split up to see if the game had bedded down or had moved below the snowline. Although we hunted all day, the steady snow fall and wind cut visibility and the biggest critters sighted were a couple of forlorn chipmunks. Since the game had obviously more sense than we, we voted for a return to the Ranch, striking out from there for daily trips on horseback.

Snow and slippery rocks slowed our descent, and all of us were wet, cold, and somewhat miserable. But the party really broke up when Ray signaled for a halt, critically examined the laden sky and the swirling snow, and then solemnly declared that the weather was breaking up. It did—six days later. The cry of "It's breaking up," was henceforth the signal for some ribald comments on the weather.

(Continued on next page)



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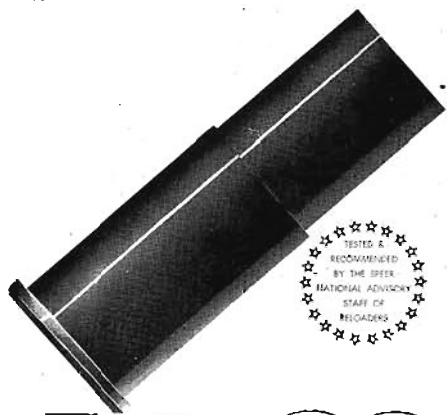
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WORLD LEADER IN PRODUCTS FOR HANDLOADING

Despite all the handicaps, Maitland worked like a Trojan with his movie cameras, and I know enough about photography to realize his problems. This was far from shooting under hand-picked conditions; this was take-it-or-leave-it realism, as the films will show.

The storm that had chased us off Bailey Mountain hit the northwest pretty hard and, despite numerous forays, little or no game was sighted. One morning, I took a walk through the woods near the ranch and sighted, fleetingly, the biggest whitetail buck I have ever seen. I also collected a fat white-tail doe, but all this is another story.

Johnny Roberts, one of the guides, took his day off to scout Double Ridge Mountain for us. In one small basin and well below the snowline, he spotted a herd of 23 elk. He hot-footed it back to the ranch and we decided that Ray, Maitland, Johnny, and I would try for one of them the next morning.

Five hours later, we were at the bottom of the basin where Johnny had seen the elk. We kept climbing, battling rain, shoulder-high laurel thickets, slippery rocks, and plain mud. On a switch-back, we stopped and glassed the basin again—and there they were, six elk slowly feeding downhill.

The trails, supposedly maintained by the Forest Service, are in less than poor condition in that area, and how we got off the horses on a trail that was barely wide enough for a horse to stand on, is still a mystery to me. A short stalk showed that one of the animals carried a rack, but the distance was too great and rain kept obscuring the animals.

Then the rain stopped, the fog lifted and the valley below us showed some dappled sunlight on the lower slopes. The elk were at least 700 long yards away, and about 200 yards above us. We settled for a long stalk along the side of the basin. This would theoretically bring us to the same level with the herd, and the range would be around 200 yards.

I took a long, hard look at the slope I was to navigate, and made the mistake of leaving my Contaflex camera in the saddlebag. The slope was steep enough to allow a goat to eat dinner sitting down, and even three slippery steps showed us that the stalk would be anything but easy or silent. More laurel, mud, and rolling rocks made our ascent as silent as a jet take-off. When we finally reached the level where we had spotted the elk, they had fed into a grove of pine trees, and the basin was devoid of visible wildlife with the exception of a few screaming ravens.

Despite a prolonged vigil, the elk never did reappear and it seemed likely that we would not be able to wait them out. Johnny suggested that if he work his way up the basin, that he might move the elk out of the pines. Maitland would stay put with his camera, while Ray and I would attempt a lateral sneak. We were to cut across the basin for about 50 yards, and then drop down to our former level. With the constantly changing wind, it was reasonable to assume that the elk would get our scent and start moving. Whichever way they would move, one of us should get a shot.

Ray and I had just started to drop down again to reach our stand, and Johnny was still climbing, when I spotted an elk, slightly below me and browsing uphill. The animal was about 100 yards away from me, but I could not see if there were antlers. A dash

of about 10 yards gave me a somewhat less obstructed view. Despite all the racket we had made in our stalk, the bull was moving along at his own pace, and just as I flopped into a quasi-sitting position, he began to trot. Slipping the safety off my Dumoulin carbine and putting the crosshairs of the Redfield Variable on the elk was automatic.

I fired—and missed! The climb had left me breathless and I would never be able to live this one down! I bolted a second round into the chamber, and checked on the elk. He seemed to hurry a little more, but was still moving along at a trot. The sight picture looked good again, and I let her rip. The elk disappeared from sight suddenly and without a sound. This shooting produced nothing but a couple of shouts from Johnny—no other elk showed up—and when I arose, I could not even see the bull I had shot at. Yet I was certain that he was down, that the bullet had done its work.

Ray, Maitland, Johnny, and I slipped, cursed, and searched for ten minutes on the steep slope before we finally found the bull. It was a hefty six pointer with a beautiful, symmetrical rack—the star of our elk hunting movie. A close examination showed that my first bullet had not missed, but had broken the elk's right hind leg, just below the knee joint. The second shot, an angling, going-away one, had hit the bull just ahead of the right hind leg, breaking a rib. The bullet had then ripped open the aortic artery, had broken a rib on the far side, and Ray found it under the hide, just behind the front leg. It had expanded perfectly and the bull had bled to death within seconds after being hit.

Maitland had equipped his camera with telephoto lenses, and now was trying to get pictures while the fog once again swirled around us and it began to rain again. My movie elk was under two inches of snow when the pack train got to it the next morning. Although the rack is still green as of this writing, it may just possibly be in the record class. Even my rather sophisticated friend Otto Wank, a taxidermist of wide experience who does my work, thinks that I may have "one for the book."

What can you expect to hunt in and around Moose Creek Ranch? There is an estimated herd of some 26,000 elk in 850,000 acres of woods, streams, and creeks. Although winter kill is fairly heavy, hunter success averages between 85-95 per cent, but was lower this past season, partly because of the poor weather and partly because a number of Paul's guests were interested in trophy heads only. And even here a seven or eight pointer is something you don't find waiting for you under the nearest pine tree. There is a healthy population of mule and whitetail deer, bear, cougar, wildcats, and coyotes. Moose are around, but you need a special permit, and getting one is a matter of luck. Goat and sheep can be hunted within 25 miles of the ranch, though Paul does not specialize in the latter animals.

Came the day when Maitland decided that he had all the film footage he needed, and we had to return to our jobs. You should be able to see the film shortly through your gun club. Write to Speer Products, Box 244, Lewiston, Idaho, for a booking. Making the movie was fun and I can tell you right now that it beats working for a living.

Anyone need a movie actor who likes to hunt? "Have gun, will travel."



Here is a list of the gear that I found useful under all weather conditions. Personal duffel is not included and is up to the individual.

**Boots:** Rubber boots, insulated. Also a pair of insulated Bass leather boots with soles for climbing.

**Jackets:** For cold wear I took along my 10X hunting jacket. A Filson Cruiser canvas suit, from Alaska Sleeping Bag. Co., did yeoman service for me, since it is water and wind resistant.

**Sleeping Bag:** must be down, and I am partial to the Eddie Bauer, heavy duty mummy bag because it is light in weight, rolls easily into a duffel bag, and provides warmth even when the mercury is trying to crawl out of the thermometer.

**Pants:** I used the Filson Cruiser pants part of the time, but the heavy woolen pants from Eddie Bauer were lifesavers when the going was wet. Despite the fact that they are made of heavy wool, they dry easily and are almost waterproof.

**Camera:** From among my cameras I selected my Zeiss-Ikon Contaflex, since it has a built-in light meter, and that would mean less fussing around with one more piece of equipment. I took along a 35 mm wide angle lens, the standard 50 mm lens, and the 115 mm telephoto lens, all of them equipped with yellow filters. My well-battered Zeiss 8x30 binoculars were again lightweight enough, even for prolonged carrying, and their optical qualities have not been impaired by many years of hard service.

**Scabbard:** Should be full-length and cover the gun completely. I used one of the lined Boyt cases that can be used as scabbard and as carrying case. This case is made of heavy leather and has a heavy-duty zipper that makes removal of the gun easy.

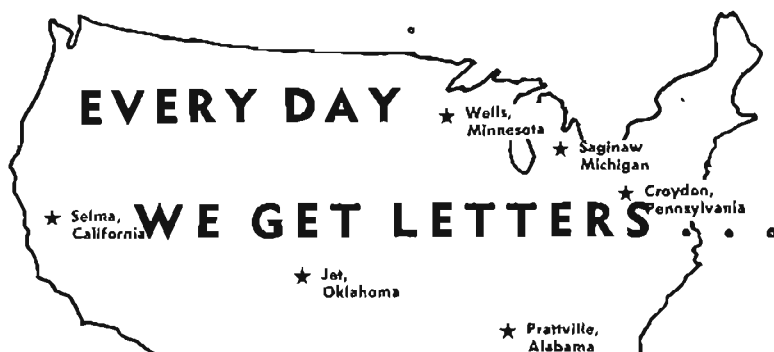
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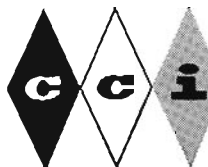
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## NO HUNTING LIKE CROW HUNTING

(Continued from page 31)

This composite result is something on the order of using a tuning fork in air, then placing its butt on some hollow receptacle. Its soft and insignificant sound is then magnified to a richer and fuller resonance that carries to a considerably greater distance.

The caller's vocal cords give the reed of the call the same effect, plus adding a genuine animal-like timbre that a piece of inanimate reed material cannot match. No first-class caller merely "blows" his call. To some degree, he lends it the resonance of his vocal cords so that he actually "talks" through his call.

Good crow calling also comes from the diaphragm. Like an operatic warbler, the top caller sings his siren song from the bottom of his breathing apparatus. Try to get the necessary volume and control by pumping away with lungs only, and you will find it too tiring to endure for any extended period.

Several electronic devices for the automatic calling of crows and other predators have been on the market for several years. These have been only partly successful, chiefly because of a fundamental phase of crow behavior. Each crow, or each small flock, must be called individually. The electronic callers don't give them such personalized attention. They fill the area with a volume of calling and, when a few incoming crows see no visual evidence of the quantity of birds vocally advertised, they become immediately suspicious. The weight and bulk of the machines must be concealed by some kind of an auxiliary blind, and some of the units I've examined also projected some degree of machine noise. Crows quickly detect these weaknesses.

Some years ago I was at Morris, Minnesota, where I was to show a movie on crow hunting and do a little personal bragging on what I knew about the sport. On the day of the talk, one of the promoters of the jaunt and I set out in a car fitted with a public address system. We'd buzz up and down the streets of each town on our circuit, leaving handbills and giving out with oral announcements, interspersed with a few crow calls, citing the time and place of the coming evening's conclave.

On one lap between towns we saw a pair of crows alighting on a plowed field, some 600 yards away. I screwed up the amplification of the public address system and cut loose with the crow distress call. That pair jumped right off the ground and came on a beeline for us. My driver eased up on the accelerator while I cut down the volume as those crows came on. Then, for fully two miles, we tolled that pair along with us. Finally, to leave them utterly confounded, we pulled up at a crossroads and, with the amplifier set very low, we kept them sweeping past the car windows for fully 15 minutes—searching for the distressed crow they were so eager to aid. When we drove off they were still looking for that crow!

But a PA system isn't gear that I'm willing to carry every time I set out to shoot crows. Good hunts may knock off 50 to 500 crows in a day, and the needed ammunition for hunts of that scope is far more important. I can recall scores of times when I wished we'd brought along more ammo. And, to an avid

crow hunter, there's nothing quite so frustrating as to have to quit and get out, while there's still ample shooting light and plenty of targets—but no ammunition!

The late "Red" Watt, with whom I hunted crows for six wonderful years, came along on his first go at crows with what he called "plenty of shells: a whole boxful"—25 rounds! Three hours later, we'd shot up Red's "plenty of shells," plus some 100-odd rounds I'd carried in a pack-basket. And the main roost-bound fight was then just nicely getting underway!

John, my elder son, and Red and I worked out a rotating system of crow shooting. In our blind, I was generally in the center, did virtually all of the calling, and loaned the services of my gun only when three or more crows swung within range at the same time. On such flocks, we stuck very rigidly to taking the birds on our respective sides; the guy who crossed over and took a crow that wasn't rightly in his range of fire promptly got his ears chewed.

This method has several advantages. Each gunner knows that a crow on his side of the flight-line is exclusively his, can wait for the exact moment when he wants to take the shot, secure in the knowledge that no other hunter is going to beat him to it. We also stuck very strongly to the premise that only one shot was allowed for any given crow. Thus the hunter, knowing that it was strictly up to him to ring up that kill, or instantly bear about the miss, put his pattern where it counted.

Aside from encouraging deadly marksmanship, this one-shot-per-crow practice gives us a very accurate percentage-wise count of kills for each 100 rounds of ammunition expended. I've been in parties where a well-hit crow that didn't instantly fall was shot at once or twice more, sometimes by different gunners.

About one out of every 100 crows shot produces an unusual spectacle that, for want of a better name, I call a "spinner." The bird seems to be rigidly paralyzed in the air, with body and wings fully extended, floating on a cushion of air for a moment or two. Then it starts lazily turning in a pinwheel effect, with body, wings and tail horizontal to the earth. That lazy pinwheeling gradually picks up speed until, by the time the crow falls from 25 to 40 yards, it is whirling furiously.

Crows undoubtedly require finer shotgun marksmanship than any other varmint or game bird. They don't fly exceptionally fast and, except during their spring and autumn migrations, rarely make any unusually long flights. But in close quarters around a hunting blind, they feint in one direction and go in another with exquisite dexterity. Many a novice gunner puts his shot patterns from four to six feet off target with discouraging regularity. But shooting them "where they ain't" isn't confined to tyros. Even the experts occasionally try to follow the diving, twisting, change-of-pace crow flights, and collect nothing but exercise for their efforts.

Crow hunting is a challenge. Cunning for these wily birds can tax your gunning skill, your calling, your intelligence. It becomes a habit, a way of life. And who wants to kick that habit? Not me, brother, not me!



## HAWKEN: HALLMARK OF QUALITY

(Continued from page 24)

refer to them hereafter.

The fascination of the West possessed Jake first and, between 1805 and 1807 (records here are contradictory), Jake landed at St. Louis, then but a small settlement on the Mississippi. He had no money but lots of ambition. Doing any sort of work he could find, saving his money, by 1815 Jake had the resources to open a small gunshop of his own.

Business was slow at first, but Jake made a living. On June 3, 1822, Sam walked into Jake's shop in St. Louis, plunked down his carpet-bag, and the partnership of J. & S. Hawken was formed.

Sam had left Hagerstown, Md., and tried his hand at a gun store in Xenia, Ohio, for a time. But there was now a stirring of the western movement, and Sam believed St. Louis would be the logical outfitting point. The course of events in the next half century proved him to be right. Thus, because of the strategic location, the needs of the times, and the skill to put together a good, dependable product, the Hawken brothers started on the way to a good business and a fine reputation.

The Hawken gun shop was housed at various addresses during its years of operation. Hawken shops are said to have been on Main Street, First Street, and Second and Washington—the accompanying Hawken advertisement gives the address at 33 Washington. Eugene W. Hawken recalled that a forge was located near Valley Park, and here the barrels were formed. The iron used is believed to have come from the Massey furnace near St. James, Mo. Four masonry piers are all that remain there today. My friend, Judge Paul S. Hollenbeck, who lives nearby, advised that iron from this furnace had a particular springy character not found in other irons.

Cholera struck St. Louis in 1849, and on May 8 of that year, Jake Hawken succumbed to the disease. He was in his 63rd year and had enjoyed 34 years of gun making in St. Louis, almost 27 of them in partnership with his brother Sam.

Although the firm of J. & S. Hawken had been very active, the next ten years were to

see even greater production and greater fame for the Hawken rifle. Now the familiar "J. & S. HAWKEN—ST. LOUIS" barrel stamp was changed to "S. HAWKEN—ST. LOUIS."

The greater number of Hawken rifles which survive today will be found to bear Sam's barrel stamp. Some have claimed that Jake Hawken was the better workman. However this may be, the fact remains that existing rifles bearing Sam's barrel stamp are usually finished a little better than earlier guns bearing the J. & S. HAWKEN marking. Many of these earlier rifles were fitted with locks purchased from commercial lock makers like Golcher. The fore-stock slots were without metal escutcheons to prevent wear on the wood through which the barrel keys passed. Sam Hawken guns were equipped with fine hand-made locks, often signed on the inside by the Hawken workman who made them, and there were some other refinements.

At the peak of their gunmaking careers, the Hawken brothers are said to have employed from ten to twenty workmen. Among these were William L. Watt, Joseph Eterle, T. Gibbons, A. Meier, and J. P. Gemmer. It is also claimed that J. P. Clabrough and Frank Wesson worked at the Hawken shop.

In 1859, Sam Hawken made a big decision. His son, S. William Hawken, wrote of the big Pike's Peak gold run. From his frontier friends, Sam had heard interesting things about the climate and bright future of the Colorado territory. He longed to see the Rocky Mountains. Sam decided to turn the operation of his St. Louis gun shop over to several of his workmen; Watt, Eterle and possibly Gemmer were believed to have shared the proprietorship.

On the 20th of April, Sam Hawken, then in his 67th year, began his trek to Denver, reaching there the following June 30. *The Colorado Magazine* of January, 1937, contained a very interesting account of Hawken's trip to Denver. When asked about the journey, Sam replied, "I am one amongst the oldest men that crossed the plains for the ever memorable Peak this spring, footing as I did nearly all the way with my rifle on my

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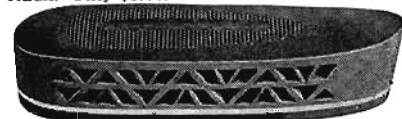
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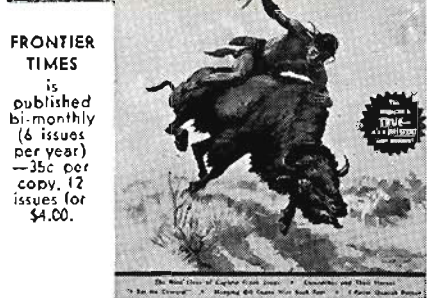
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shoulder, a good part of the time, which is a distance I think of near 800 miles."

Sam found little to interest him in the Colorado gold rush. He soon established a gun shop and advertised in *The Rocky Mountain News*, "S. Hawken, for the last thirty-seven years engaged in the manufacture of the Rocky Mountain rifle in St. Louis, would respectfully say to the citizens of Denver, Auraria, and his old mountain friends, that he has established himself in the gun business on Ferry street, between Fourth and Fifth, next door to Jones & Cartwrights, Auraria, and is now prepared to manufacture his style of rifles to order."

But Sam Hawken's roots were too deep in St. Louis. He missed his old friends, especially those of the Volunteer Fire Department in which he had been so prominent. So in 1861, Sam returned to St. Louis. Sam's son (S. William Hawken) remained in Denver and operated a gun store there for several years.

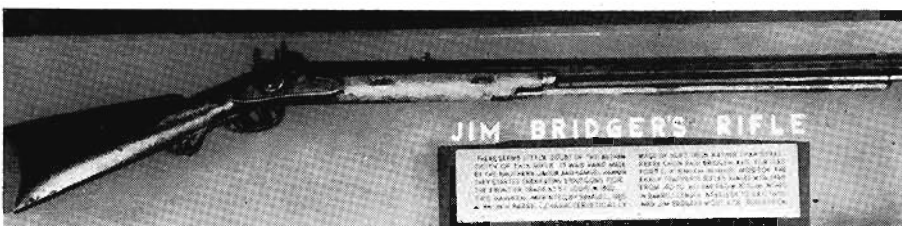
In 1862, at three score and ten years, Sam Hawken retired to live with his daughter in the country near St. Louis, running down the curtain on well over forty years of work at the gunmaker's bench.

J. P. Gemmer, one of Hawken's ablest workmen, purchased the Hawken gun shop. Gemmer continued for some years to make Hawken style rifles; but then, as the metallic cartridge replaced the muzzle-loader, Gemmer branched out into other lines. The Gemmer business continued until 1915. A matter of interest to collectors is that, when the Gemmer business was discontinued, Gemmer gave the Missouri Historical Society the larger part of his gun collection, and the fittings and stock of the gun shop. These now

In general appearance the Hawken half-stock rifles resemble the English design and workmanship of the period more than that of any other country. English gunmakers were working toward a similar goal—a powerful rifle for the huge animals of India and Africa. Whether the English gunmakers and American gunmakers like Hawken, Wurflein, and Slotter arrived at the same design independently or by copying is of little concern here, but it is interesting to note that the purpose for which the guns were made was similar, and the design also developed along similar lines.

Probably the most important single item among the component parts of a Hawken rifle is the barrel. Here is most of the weight, and this is the vital area wherein lies the safety, power, and accuracy. In making up the heavy octagon barrels used by the Hawkens, strips of iron about 12 to 18 inches long were carefully welded around a mandrel to the desired length; then the barrels were ground, bored, straightened, and rifled. The rifling consisted of seven lands and seven grooves, with the favored twist about one turn in 48 inches. Bores averaged approximately .54, thus employing the popular half-ounce round ball. Subsequent "fresling" of the barrel would enlarge the bore somewhat, but all that was then required was to cherry out the bullet mould to compensate for this slight enlargement.

The charge of powder varied with the particular purpose for which the gun was used—the nature of the game and distance to be fired. Usually, a minimum of 100 grains of black powder were used, but charges sometimes were as heavy as 200 grains. "Diamond grain" English powder was



may be seen in the Franklin W. Olin Gallery at the Jefferson Memorial Building in St. Louis.

Samuel Hawken was a frequent visitor at the Gemmer shop—he even tried his hand at making one last rifle there. On May 9, 1884, almost 35 years to the day after Jake had died, Sam went to his final rendezvous. He was in his 92nd year.

The Hawken fame was built on one basic type of gun—a caplock rifle known far and wide as Hawken's "Rocky Mountain Rifle." But the Hawken brothers also made a few caplock pistols and a few shotguns. It may be that they made a few flintlock guns; several have been vaguely reported, but it has not been my fortune to see one. In the early stages of manufacture, some full-stock guns were made, but the major production was devoted to the sturdy half-stock caplock rifles which you see in the accompanying illustrations. The mission of these "Rocky Mountain Rifles" was to provide the fire-power capable of knocking down the big, tough animals of the West like the buffalo or the grizzly bear—and unfriendly Indians. And no gun of the 1820-1860 era succeeded better in that mission.

quite a favorite in the West, despite its rather high cost of \$1 a pound.

Hawken barrel stamps were applied to the top barrel-flat fairly close to the breech end. The breeching in early rifles had the old conventional plug with integral long tang which screwed into the wood. But this was soon discontinued in favor of the "patent breech," a short section screwed into the barrel on which was the solid holster and nipple and a short curved extension which hooked into a steel-faced separate tang. This made a better, stronger breech, and one that permitted the barrel to be quickly removed from the stock. Forward of the fore-stock cap on half-stock guns there was attached an iron rib under the barrel; to this were affixed two iron ferrules to hold the bickory loading rod.

A low silver blade, set in a copper base, was the standard front sight, and a low buckhorn rear sight, slightly slanted toward the breech, was usually employed. These simple sights presented a minimum of projection to be caught on brush or otherwise damaged, and they were easy to replace.

The length of the barrels would run between 34 and 38 inches as a general rule, and the width across the flats at the muzzle

averaged 1½". The complete finished guns would average somewhere around 10 pounds.

Stocks were made usually of maple, this being one of the toughest woods. The butt is shaped in the form of a modified crescent and is of substantial deep and wide proportions. A curved cheek piece shaped somewhat like a beaver's tail is found on practically all Hawken guns. Another standard feature is the double barrel-key slots in the fore-stock. The barrel is secured to the stock by flat keys passing through the wood and through slotted projections on the under side of the barrel. At first these slots in the wood were unprotected, but then slotted iron escutcheons were let into the wood and this held the keys more securely and prevented wear.

Hardware was invariably of iron, for this was not only strong but it did not reflect light as did brass or silver. We shall find butt plates, fore-stock caps, escutcheons and trigger guards all of iron. The Hawken triggers were especially dependable and very highly regarded. Unlike the set triggers on most eastern-made guns, these triggers were made integral with a long bar which extended well beyond both ends of the trigger-guard bow with its rear extension curve (which in effect formed a pistol grip). Only one Hawken rifle with a true pistol-grip stock has come to my attention, and you will see that one illustrated.

As mentioned previously, early Hawken guns were fitted with locks made by commercial lock-makers such as Golcher. But the quality of these locks did not long please the Hawken brothers, and they decided to make their own locks. These locks made in the Hawken shop bear no marking on the face, but occasionally they will be marked on the inside of the plate with the name of the Hawken workman—T. Gibbons, for instance—who finished the lock and installed it.

Patch-boxes are a rarity on Hawken guns, but some rifles were so equipped. Hawken rifles were not designed to attract attention but to give long, useful service. They were plain, but sturdy and thoroughly dependable. They had long-range power. In these qualities they made the name Hawken a great one in the annals of American gunmaking.

The waters of the Mississippi have flowed past St. Louis many years now since sounds of activity could be heard from the Hawken shop facing toward the old levee—yet, men from all parts of America still speak of those two master-craftsmen, Jake and Sam Hawken, with respect and admiration. I could not make a better appraisal of the Hawken rifle in its hey-day than that of my good friend and one of our most knowledgeable men in the muzzle-loading rifle field, the late Ned Roberts, who summed it up this way: "The Hawken rifle was the most noted, most desirable, and the best big game, single barrel hunting rifle in existence."



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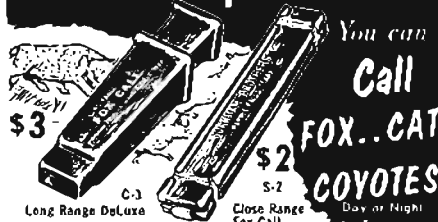
### United Humane Front

Shooters, meet Dr. J. M. Kollsich. Dr. Kollsich is President of the United Humane Front, a fanatic California group which has reportedly put together a war-chest of \$160,000 for the purpose of, in their words, "engendering a new respect for life, and bringing to an end the recreational killing of wild life and stop all killing for mere fun and amusement."

If those words seem awkward and ill-chosen, or if they seem incredibly inane, don't laugh; \$160,000 is a formidable weapon! The California Department of Fish and Game is not laughing; this is, they say, a real danger. And don't laugh, either, in case you don't happen to be a resident of California. If the UHF is successful there, it will spread. The fanatic fringe of misinformed, dew-eyed do-gooders is not confined within the borders of any single state. Your state may be next on the UHF agenda.

Whether by UHF inspiration or not, Representative Joseph E. Karth (Democrat, Minnesota) presented a federal nationwide ban on dove shooting. The Bill was opposed by the Department of Interior, which stated that "although more doves are taken by hunters than any other species, dove population has increased steadily between 1953 and 1961." State fish and game agencies, and state legislatures have also advised against this obnoxious piece of legislation.

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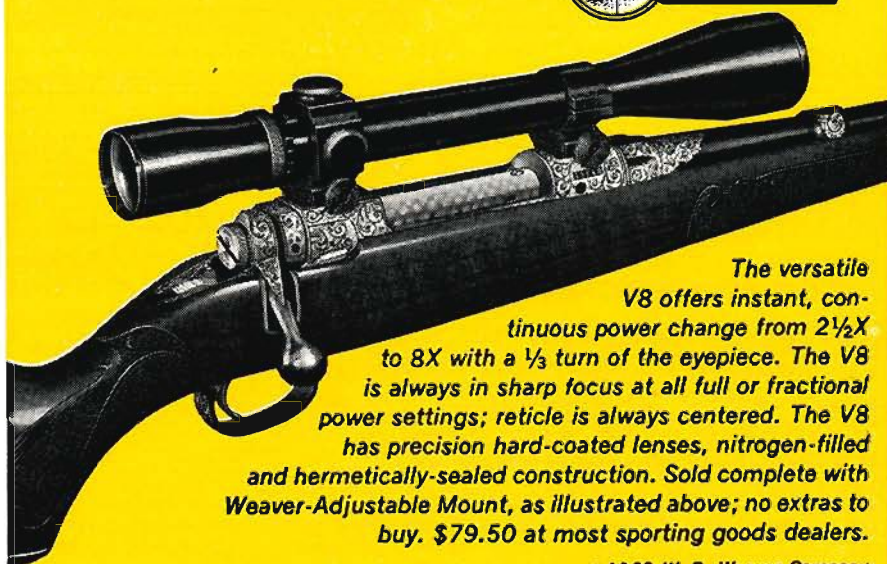
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## TOO MUCH HEAT—TOO LITTLE LIGHT

(Continued from page 27)

ment. Then, for kicks, shoot ten rounds as rapidly as you can. Then shoot another three-shotter. You may find out why you missed that buck last year, when sighted in with the barrel hot.

Ammunition is another variable. The carefully handcrafted loads you brewed up won't shoot as you planned if you throw the box containing them up back of the seat, where the lens-like glassware of your car can focus the hot sun on the box. Powder decays slowly at any temperature, but the decay is accelerated with heat. After several heatings and coolings, the powder charge you so carefully weighed may produce considerably greater or lesser pressures than it would have in its original state. Either will result in accuracy changes; changes that are often blamed on "barrel wear."

Just recently, a man whose opinions I normally respect in gun matters made

the bald statement that the .264 Winchester would "shoot a barrel out in around 2000 rounds." Yet he stated that the .30-06 and the .270 would deliver 5000 rounds before giving up the ghost. For the love of Hananah, why? My 7 mm on the .264 Winchester case handles 69 grain of 4350, with a 140 grain bullet, a load very similar to the 140 grain .264 loads. The .30-06, with a 150 grain bullet, handles 61 grains of 4350. Doesn't it seem unlikely that a 15 per cent increase in loading density would cause a 60 per cent decrease in barrel life?

Few shooters keep accurate records of just how many rounds of what loading density have been run through their rifles. With the help of several gun buddies, I have obtained some dependable data from carefully kept records, and have done some solid experimental work on barrel wear. The following are facts, not theories.

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I have long used the .250 Curry Magnum as a combination varmit-deer-antelope rifle. After 15-20 shots in a prairie dog town, the barrel does heat up noticeably. I noted this fact one day to George Curry and, as a result of our discussion, he agreed to build two identical rifles, which would be equipped with identical scopes. We would then fire the rifles until, by mutual agreement, the bores were worn beyond the point where acceptable accuracy could be obtained.

While George was building the rifles, I obtained 2500 100 grain bullets from Sierra and Hornaday. We split the cost of primers and powder and, with the finished rifles, set up shop at the San Angelo Gun Club range, accompanied by two complete handloading outfits.

We began by sighting in the rifles and firing control groups. Both delivered one-inch five-shot groups. We fired additional control groups after each 500 rounds. Our load was 62 grains of 4831 and the aforementioned 100 grain bullets.

We fired continuously, until the barrels and actions got so hot we were afraid to chamber a load for fear it would pre-ignite before we could touch it off. (We were operating near top loading also, and could not afford to risk a change in powder characteristics and consequent possible intolerable pressure increases.) Thus, by far the greater part of the shots were fired with the barrels operating at elevated temperatures; a fact that should have contributed to far greater erosion than would be present in a hunting rifle fired normally.

After the first five hundred rounds, we could see a little discoloration at the throat. That grew to visible erosion at 1000 rounds. At 1500, the erosion at the throat was plainly visible, but we were still not able to detect any rounding of the lands. At 2000 rounds, the erosion had crept forward for perhaps two inches, and the edges of the lands showed definite roundness for approximately 6 inches from the breech end.

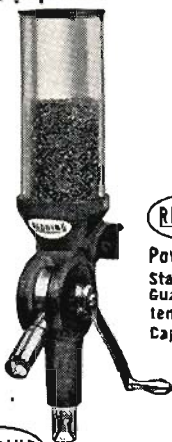
At the conclusion of firing (2500 rounds), we fired several record groups under the same conditions as described for the first record groups. From the one inch groups we obtained in the beginning, the rifles now opened up to an average 1 1/2" grouping; still a mighty respectable performance.

Back at the shop, the guns were completely disassembled, and the barrels minutely inspected. After 2500 rounds, the throats were eroded for a distance of approximately three inches. The edges of the lands showed detectable rounding for approximately half the length of the barrel from the breech end. The remaining half showed no detectable wear, though undoubtedly some had taken place. (As a matter for the record, the rifles used had Ackley chrome moly barrels, and were of medium sporter weight.)

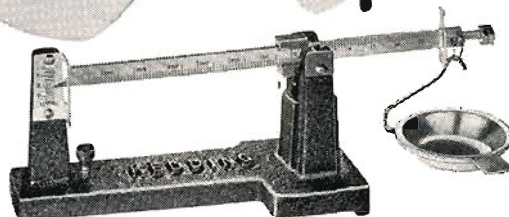
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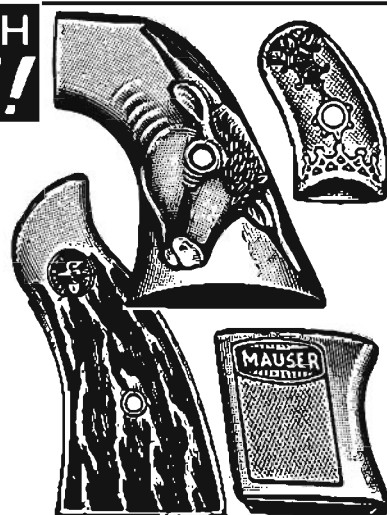
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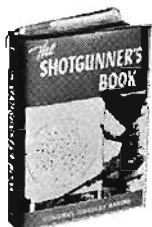
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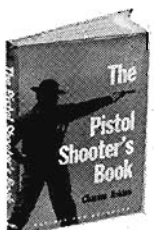
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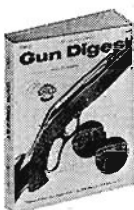
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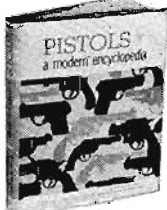
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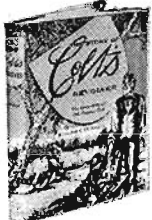
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Though we had agreed to shoot the rifles until worn beyond the point where acceptable accuracy could be obtained, George and I agreed that the point had been proved. Not one shooter in a thousand will shoot 2500 rounds of "hot" loads through any rifle in a lifetime—yet these rifles had done it and retained excellent game-getting accuracy.

George Gann, of San Angelo, Texas, took delivery of his .250 Curry Magnum in 1953. It delivered half-inch groups. Time after time, Gann walked away with hunting rifle bench rest matches. Over forty deer, countless hundreds of hawks, and at least several thousand prairie dogs bit the dust before that rifle. Gann packed it so far that it recently had its third blue job.

From 1953 through the hunting seasons in the fall of 1959, Gann, who keeps very careful records of his shooting, ran over 8000 rounds through that .250 Curry Magnum. In the fall of 1958, in Utah, he hunted in a week of constant rain. Perhaps as a result of stock warp, or perhaps because the barrel wear finally caught up with him, he found his rifle holding to about a two-inch group at 100 yards. Examination revealed that erosion had proceeded for about five inches forward of the throat, and that the lands showed definite rounding. Reluctantly, he concluded that a rebarreling job seemed in order. The barrel maker was able to ream and re-rifle the barrel to .270. Thus, after 3000 rounds, the enlargement at the throat must have been no more than the increase from .257 to .270, a mere 13/1000 of an inch.

My own .22-250 started life capable of ¾" accuracy, thanks to a fine Pride Sniper barrel and a well-bedded heavy varmint stock. After 4300 rounds, it still does an inch group easily, with 35 grains of 4320 and a 55 grain Sierra or Sisk Express bullet.

George Curry has a .220 Swift that he started shooting 7500 rounds ago. He still wipes my eye in a prairie dog town with distressing frequency, so I will stand witness that it still shoots with good accuracy.

An East Texas buddy named Ralph Jones has a Model 70 Winchester rechambered by Weatherby for the .300 Weatherby Magnum case. It has been shot around 5000 rounds. The lands, so far as the naked eye can detect, are shot away except for about 3 inches right near the muzzle. But it still shoots—well enough that it remains one of his favorite hunting rifles.

Perhaps, as barrel wear progresses, there is some loss in velocity; but I doubt that it is enough to worry about. I honestly believe that far more damage is done by shooters who insist on repeatedly swabbing the bore of their rifles with assorted brass, steel, and other stiff brushes, soaked in all sorts of wonderful alleged-to-be bore preservers.

Clean your rifle, sure. But use good soft patches, like Vernon Speers' silicone treated ones, and don't try to put a high polish on it; just clean it and leave it be. Unless I run into foul weather, I only do that once or twice a season with the deer rifle, and after each trip out with the varmint.

This is why I say that most of the stuff you've read about barrel erosion is hogwash. I say buy 'em as hot as you like, and shoot 'em as much as you like. As long as they deliver, don't worry about the experts. In my opinion, the experts have added a lot of heat, and doggone little light, to the problem of barrel wear.

## JACK "ARTFUL DODGER" SNIPE

(Continued from page 17)

was packing a side-by-side twelve, loaded with No. 7½ trap loads. My gun was a Marlin over-under in 20 gauge, and I was using No. 8 shot. Both guns were alike in choke, each having one modified and one improved cylinder barrel. These chokes and these loads are excellent for snipe, in my opinion, since they give enough spread at killing ranges to offset, to some extent, the snipe's erratic flight pattern. Heavy shot is not needed; the snipe is not hard to kill—if you hit him. But that final proviso is important.

Circling a small patch of willows, we slowed expectantly as our boots sunk into the spongy grass of a low spot. We glanced at each other with the certain knowledge that, if the snipe were in, they would be here.

Suddenly I heard the familiar "scaip-scaip-scaip" as a jack took wing. I swung toward the sound and picked the bird up over the superposed barrels of the Marlin 20 gauge. He was winging away in typical snipe fashion, low to the ground and zigzagging like a halfback heading for the goal line. I was drawing circles in the sky with the muzzle trying to follow the bird's erratic flight. Taking a guess at where he would be next, I sent a load of 8's chasing his fast departing tail. But I zigged when he zagged and missed by at least a mile. The modified barrel barked on the second shot and it, too, was a miss.

Bud, off to my left, put up a double and fared equally as bad. Popping two fresh hulls in the barrel, I took a few cautious steps forward. Again a jack "yiped" three

or four times as he turned on steam for his getaway. This time, I outguessed him and he folded twenty yards out. Bud whammed two loads out of his double, scoring on his second shot. Seven shots; two birds. But don't laugh; try it.

After rounding up our first kills, we checked the soft mud for signs of their feeding and found small holes where snipes had probed for insect larva, beetles, and worms with their long beaks. Not unlike a woodcock in its habits, the snipe is slightly slimmer but with somewhat the same coloration. The bill is normally about three inches long. Legs are pale green, the belly is white, with a tannish mottled chest. The back and wings are both mottled browns and blacks, flecked with white.

The Wilson snipe is a sort of lone wolf in the shorebird family. Unlike the protected Dowitcher or Yellowlegs, with whom he is often confused, the snipe is found in the wet, boggy meadows. The Dowitcher is most often found wading nervously about in an inch or so of water searching for food. This is true also of the Yellowlegs. Their coloration, though similar to the snipe, is distinguishable. The Dowitcher is lighter in color and sports a patch of buffish white on the small of the back which shows up well in flight. The Yellowleg's easiest identification is, of course, its bright yellow legs. The surest identification of the snipe for those unfamiliar with it, is the call that he seldom fails to emit when flushed. It's best described as a sort of an abbreviated "escape," emitted

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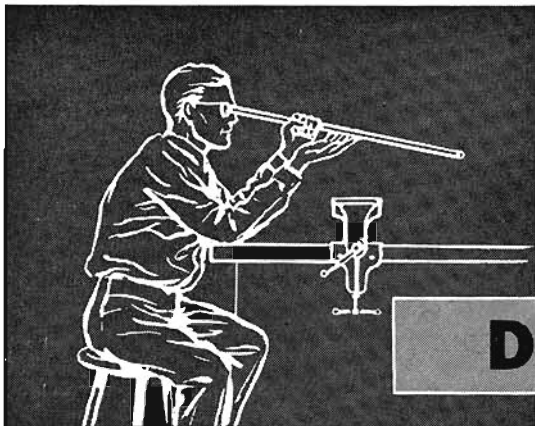
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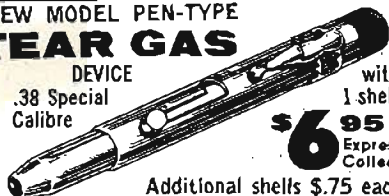
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in a hurry, ending up "scaip-scaip-scaip."

Evidently, Bud and I had stumbled on a heavily-used area. We had no more than retrieved our downed birds when another snipe winged in toward us and swooped low as if it wanted to land.

"Let's step back into that patch of reeds and see if one will come in," Bud offered. "They seem to like this spot."

It was a good suggestion. We had just settled down in the reeds when a jack came zipping in, dropped his flaps, and landed less than fifty feet away.

"Let's see if you can hit this one," I challenged. "I need a good picture of a bird rising in front of a hunter. You go in on him fast, and I'll be right behind you with the camera."

Bud stood up, got a good grip on his

nerve, and moved up on the bird. The snipe held tight—another of its virtues—until Bud was within 25 feet. He then rose with the wind to about 12 feet, yelled "scaip" two or three times, and power-dived to pick up more speed. Bud was on him on the climb, but he didn't allow for the change in flight pattern and his shot went high. The snipe then zipped along the ground at what seemed better than 30 miles an hour, darting first to the left, then right. Bud zeroed in on him with the second barrel, touched it off, and dumped the bird just short of the edge of the marsh.

"This shooting is crazy," Bud shouted, walking over to pick up his prize. "I never pointed a gun in so many directions at one bird!"

"You're so right!" I chuckled. "Your gun barrel was swinging back and forth like a man being attacked by a pack of wolves and not able to make up his mind which one to shoot!"

With the action slowed a bit, we continued along the edge of the marsh. Two more singles flushed in the next quarter mile, and we both scored. Bud got his on his first shot: I, on my second. Two small pot holes at the north end of the marsh looked "birdy," so we crossed a small piece of meadow and split up, each taking a side. I walked into the first small area. It was very similar to our first hot-spot, but in looks only. We drew a blank. Bud and I had just cleared the point on the second pothole when a bird came up out of the pasture just ahead of me. He stayed close to the ground, and I dropped him on the first shot. A second came up on the spot and I dumped him within ten feet of the first.

"Boy, are you getting salty," Bud called. "Two for two. You can't do any better than that."

"I'm not doing any bragging yet," I answered. "We're both a long way from our limits of eight birds each."

I had never made a truer statement. As the day wore on, the wind picked up and the cold front became colder. Low clouds came scudding in over the marsh, carrying the smell of snow. The elements made the snipe harder to hit than ever as we worked the meadow lands for them. By three o'clock, we had fired better than a half a box of shells. Bud, the quiet but steady member of our duo had six; I had five.

"How about trying that first spot again?" Bud offered. "That one jack wanted to come back in. Maybe with a few hours rest, some more are in there again." Bud was right. Three jacks got out of the little bog and we each managed to scratch another one.

How many shots were needed to get 13 jacks? Well, as Bud says, "I would like to see more shooters give the snipe a try, so don't tell them how many shells we fired on the last ones." As I said before, snipe don't take much killing, but they sure do take lots of shooting. Which is okay by me; I like shooting.

With no lunch to tide us over, we were ready to call it quits. We had a day of real sport with the scatterguns, sport that brings a glint of excitement to the eyes of men like my father, sport that tests the skill of the best. On your next trip to your favorite marsh, you will probably flush a snipe or two. For the fun of it, try him. I'll bet you miss.

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## THE HIDEOUS GOD OF WAR

(Continued from page 29)

or poise. So far as I know, aiming skill and self-control under stress are both acquired in the same way, and in no other way: by practice.

The real nature of combat targets, and their non-similarity to inert cardboard, was brought out early in the Trainfire I research from interviews with combat veterans. (Combat memories were fresher 9 years ago!) Careful review of the responses in preparing this article reveals not one mention of an enemy exposure which would resemble the static silhouette targets we use in training. Fleeting, darting, moving—these are the characteristics of personnel targets. Enemy grenadiers are frequently mentioned at ranges of 50 yards or less; but even they do not present a fixed aiming point. Practically no human targets were commonly observed beyond a range of 150 yards. To cope with such close and dangerous targets requires different technique and practice than we are now providing, in present training; and training is all the young fellow will have to rely on if he has to use his rifle in combat.

Seven years after those interviews took place, to explore the practical implications of these statements, a clothed mannikin was improvised, towed by winch and cord. At the press of a button behind the firing area, it would leap from cover, run zig-zag through the brush, legs pumping and arms swinging, then go down as the button was released. It was so life-like that many, on first seeing it, were afraid to shoot, thinking it was a real person.

About 50 soldiers who had completed their advanced Infantry training fired at it, in various situations, with the M-1 and the BAR. Shooter proficiency was poor (the understatement of the year). On these targets, at all ranges, the "Army" were bum shots. But so was everyone else who shot at them—officers, non-coms, civilians, trophy shooters, and tyros—until they got some practice at handling the rifle with poise and speed, more like a sloopgun.

Unsuitable for training, because it is slow to re-set and presents only one aspect of combat target appearance, this target revealed beyond all question a basic deficiency in our marksmanship training; we need a "mechanical enemy."

Such a device, the "motile target," was suggested 9 years ago, along with the proposal which resulted in Trainfire I. After many narrow escapes, the idea still survives, has even been brought to the prototype stage.

I saw this machine in the plant of the developing contractor. It is a simulation of a human being, mounted on a small armored vehicle which contains the power and electronic controls. Each trooper, whose duty at the moment is to play enemy, has slung around his neck a small box with a joy-stick and some buttons. With it he can cause his own target, but no other, to roll off the truck under its own power, anywhere, and send it as much as a mile away, causing the 3-D representation of his own body to creep, crawl, walk, run, or stand still while his

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comrades shoot; or it can turn around and run away if the bullets get too close. A bullet through the target collapses it and sends a message back to the operator that he is "killed." Groups of these targets could simulate almost any combat target situation for the rifle, pistol, machinegun, submachine gun, and automatic rifle. Besides its training value, it could help pinpoint, for the first time, the relative combat worth of these weapons.

The virtue of the motile target and its like is not alone in improvement of target/shooter interplay; it would concurrently provide training in stealth and evasive tactics as well as marksmanship. If it can survive reliability tests and be engineered to economic feasibility, it could be incorporated in Trainfire I, advanced marksmanship, squad and platoon training, and maintenance training in a combat area under actual conditions of terrain and weather.

Then there are a couple of civilians who developed a running deer target. I met them last summer in Ft. Benning, when they were trying to interest the Army in a "man" version of the target. They were told to bring it up later, perhaps in the next fiscal year.

While it is encouraging to see the concept of a mechanical enemy persistently raising its head here and there, the Army's languid approach and piddling expenditure to date reveals no continuous resolution to perfect combat marksmanship. The above sketches the progress in nine years. At this rate, we will be commuting to the moon before a single GI receives truly realistic combat rifle training.

For even if we were to get the targets, we don't know the technique of hitting them under combat stress. The whole great literature of the rifle is amazingly sterile on how to

cope with living military targets. We will have to find the techniques where we can, perhaps in the backwoods, perhaps from experimentation, and then learn to teach them in a short time to millions of lads, many of whom may never have seen a rifle except on TV. Best teaching methods for marksmanship is in itself an enormous subject, hardly explored.

Let's get a sense of proportion in our research and development. If we can bet an 800-mile-high stack of dollars on a weapons "improvement," surely we can afford to lay out a little more than we have been doing on man improvement. I know it is hard to squeeze out budgeted dollars in competition with the dazzling innovations of the day, which scare civilians but are no more frightful to a ground soldier, and less likely to arrive, than a bullet in the guts. But we need not think in terms of 800 or even 80 miles of dollars—a few miles, for now, would take us far down the road of marksmanship improvement, of which Trainfire I is only the first milepost.

Know-how is as great a part of our national resources as material goods. We have great numbers skilled in agriculture, manufacturing, transport, etc., and we would depend heavily on these skills to carry us through a war. My theme is that we also need a great pool of personal weapons skill, active and reserve, to assure that we win one. Every citizen has a personal stake in this, now; for even if never used, skills in being are as important as rockets, bombs, and ships in being, to help deter a war. Let none of them be too little or too late for the GI rifleman—who may be your son, or your neighbor, or yourself—who soon may have to face "the hideous god" in a red-hot shooting war.

## NEW LOOK FOR THE LEE-ENFIELD

(Continued from page 25)

superior characteristics to the original barrel, promoting even longer life, which is further enhanced by the hard chromium plating of the cartridge chamber, giving not only longer life but consistent extraction and improved corrosion resistance.

The magazine is a completely re-designed assembly suitable for the 7.62 mm. cartridge, but which fits directly into the existing magazine aperture of the rifle without modification of the rifle body. As a result of the new shape and slightly reduced size, although still holding 10 rounds as did the earlier rifle, the magazine is more robust and presents a slightly better silhouette, promoting a more comfortable hold in the prone position.

A feature of some interest is the incorporation of an ejector as an integral part of the magazine, thus obviating the need for any modification to the rifle itself. However, the rifle may still be fired as a single-shot without the magazine. So used, the existing ejector screw fulfills its original function efficiently.

The extractor is a modified version of the original .303 component to suit it for the 7.62 mm cartridge, but is made from a steel of improved quality.

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## NEW MEXICO FAST DRAW

(Continued from page 19)

given it by the crowds that witnessed the shooting. Newspaper stories reported admiringly on the "camaraderie and good sportsmanship displayed by the contestants," and upon the safe-and-sane observance of rules and caution with which the matches were handled.

The people directly responsible for making the Lincoln County Fast Draw Contest a huge success are the Directors, Paul Payton, Charles Jones, A. E. Hunt, Edward Penfield, and Gerald Dean, together with the many fine people of Lincoln County who displayed real Western hospitality to one and all. Sheriff W. G. Bradley of Lincoln County, and his staff deserve special commendation for consideration of the shooters and for cooperation with The Roving Gunslingers—three Chicago-area men, Chuck Monell, George Virgines, and Vince Vaccarino, who planned, promoted, and managed the contest.

The Roving Gunslingers also toured Lincoln County and appeared on television, demonstrating fast draw and staging their unique and entertaining Western Variety Show. This includes fancy rope spinning and bull whip manipulation by Chuck Monell, "The Happy Singing Cowboy," a clown act by Vince (Haysced) Vaccarino, "The Original Gunslinging Clown," and demonstrations of fast draw and fancy gun handling, by George Virgines, "Deputy Marshall of Dodge City." Safe gun handling was stressed at all shows and at the contest, with a lecture on good gun manners. The Roving Gunslingers were honored by being presented official Special Deputy Sheriff badges and cards by Sheriff W. G. Bradley.

The climax of the contest was the presentation of awards and trophies. The contest was a two day event, September 22nd and 23rd, 1962. Each day was a separate contest, and a shooter could compete in either day or both. There were three phases of fast draw: a standing reaction match with wax bullets; a walk-and-draw contest with wax bullets; and a walk-and-draw shoot-out with blanks. There were matches for women as well as for men.

The winner in the wax shoot for both days was C. E. Hook of Brownfield, Texas. Hook not only won Top Gun trophies and cash awards, but was also the recipient of the "Billy the Kid" trophy which was made special for the contest by Pat Smith, a sculptress from Corrales, New Mexico.

In the two-day contest, Top Gun winner in the blank walk-down men's event Sept. 22nd, was George Narasaki of California, who also had the lowest timing of 22/100 in the blank shoot. In the blank shoot, Sept. 23rd, Top Gun was Roy Guthrie of Arizona. In the women's event, May Hook of Texas, the wife of winner C. E. Hook, was winner both days in wax shooting, and Fay Howell of Texas was the winner on Sept. 23rd in the blank shoot.

All the shooters are to be congratulated for their sportsmanship as well as for their skill. All of them, and all Fast Draw enthusiasts everywhere, are invited to participate in next year's event which according to the fine people of Lincoln County, will be bigger and better. The sport of Fast Draw thanks the people and the state of New Mexico for their support.

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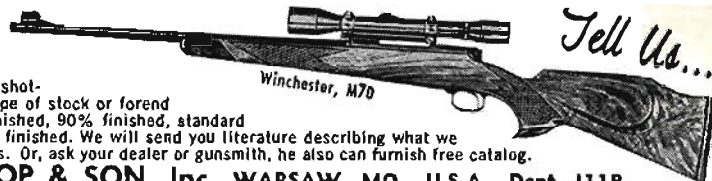
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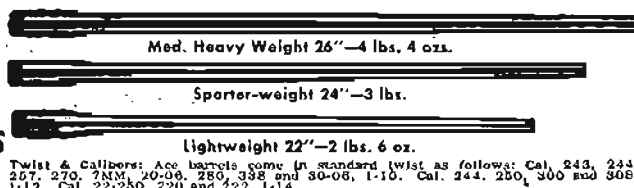
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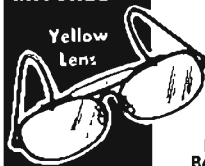
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## COLT NEW SERVICE (Continued from page 33)

will only fit in alternate chambers of .45 Long Colt sixguns. Ammunition for the .45 Colt M 1909 was made only in government arsenals and manufacture of it was discontinued shortly after the adoption of the Model 1911 Colt automatic pistol.

A few New Service Revolvers were made up for 1906 Army Ordnance trials. These are known as caliber .45 US Gov't Revolver, Model 1906, or caliber .45 Colt, Model 1906. This was a rimmed case similar to the .45 ACP case, and was made at Frankfort Arsenal. The case was .920-.925" long and the rim diameter was .528 to .529 inch. The bullet, like the .45 ACP, was a 230 grain metal cased round-nose slug.

The United States Marine Corps adopted the New Service as its standard sidearm in 1909. This gun was identical to the Army & Navy Model 1909, except the butt was rounded and the walnut stocks were checkered. Only a small number of these guns were manufactured, and they are now scarce. The commercial version of this gun was discontinued in 1920.

The World War I demand for sidearms forced Colt's to subcontract manufacture of M 1911 pistols. But even this proved inadequate, and Secretary of War Newton Baker authorized the purchase of Colt New Service revolvers and Smith & Wesson Triple Lock revolvers, both chambered for the .45 ACP cartridge. The extraction problem was solved by using a "half-moon clip." The gun was loaded with two of these three-shot clips, and cartridges and clips were ejected simultaneously. Early Model 1917's (as both the New Service and S&W's were called) had the chambers reamed straight through, but later a shoulder was placed in the chamber so that the rimless auto cartridge would properly chamber and fire. Empty cases, however, had to be shaken or pushed out individually.

Between April 6, 1917 and December 1918, Colt manufactured 151,700 M 1917 guns, while S&W made a total of 153,311 guns during the same time for the Ordnance Department. The Colt M 1917 was the standard New Service model equipped with 5 1/2-inch barrel, weighed 40 ounces, had plain walnut stocks, square butt, and lanyard swivel.

After the war, the standard New Service was chambered for the .45 ACP and, after 1921, for the .45 Auto-rim cartridge. This is the .45 ACP cartridge equipped with a rim so that it is not necessary to use the half-moon clips.

During World Wars I and II, Colt manufactured a substantial number—exact figures are unknown—of New Service revolvers chambered for the .455 Colt and .455 Eley cartridges. The .455 Colt cartridge was for many years the standard sixgun cartridge of the Canadian Army. The .455 Eley (sometimes called Webley) was the long-time British service cartridge.


British cartridge nomenclature is complicated and somewhat confusing. The .455 Eley, .455 Webley, and .476 Eley are one and the same cartridge. The .455 Enfield, long obsolete, will fit a New Service chambered for any of the above rounds. All four rounds will chamber in the .455 Colt, which is identical to the .455 Eley, .455 Webley,

and .476 Eley except the Colt case is .885 long while the .455 Webley and Eley and .476 Eley case is but .750 inches long. The .455 Webley is but the American appellation for the .455 Eley. We named the cartridge after the weapon for which it was originally chambered; the British named it after the commercial manufacturer of the ammunition.

Many .455 Colt New Service and S&W revolvers are currently being offered for sale in the states. Some of these .455's are offered in their original caliber; others have been converted to .45 Long Colt. The New Service .455 Colts offer no problem, but the S&W (and some converted Webleys) have shorter cylinders, so the bullet must be seated deep to permit free cylinder rotation.

During the 1920's, Colt manufactured the standard model and the New Service Target Model. To satisfy target shooters, Colt in 1932 produced the New Service "Shooting Master." Chambered for the .38 Special cartridge, with a heavy, tapered 6-inch barrel, the "Shooting Master" weighed a substantial 44 ounces. The trigger, and the back and

forestraps were deeply checked, while the topstrap and the back of the frame, alongside the hammer and down to the top of the backstrap, was stippled to reduce glare. Stocks were checkered walnut, with inset silver Colt medallion, and stocks were round, except in .357 Magnum. The Partridge type front sight was adjustable for elevation, the rear sight for windage. The "Shooting Master" was also chambered for the .45 Colt, the .45 Auto, and the .44 Special.

The final version of the New Service, "the .38 Special Model," was brought out in 1933. It is identical to the standard model, except for the round butt, the tapered barrel, and the choice of calibers. The standard model had never been offered in .38 Special. In 1936 the gun became available in .357 Magnum. Barrel length of this model was four, five or six inches, while the standard model was available with 4 1/2, 5 1/2, or 7 1/2 inch barrel. The .357 Magnum was made only with square butt. A lanyard swivel was available on special order. 

(To be continued)

## HANDLOADING BENCH

(Continued from page 6)

Senior and Senior Turret have about twice the M.A. (mechanical advantage) of the old Senior for bullet swaging, a good improvement.

Hollywood's rifle or pistol Bullet Swaging Dies are well made. A new .354" wadcutting die is for target pistol bullets, using their 10 per cent tin wire, and .348 gas checks. Half-jackets and .38 Special gas checks are too large for this die. Bullets shot without lube do not lead bores at target velocity. Tin acts as a lube. Pure lead is not recommended with these bullets. It may cause bore leading and other troubles.

Pills are perfectly formed on one down stroke and automatically ejected on the up stroke. Bleed-off is on the nose. Dies fit only the Hollywood presses. Cores can be cast in Lyman Adjustable Moulds. At my suggestion, they made core mould cavities small enough for target pistol bullets.

### New Sako Vixen

Finnish Sako rifles have made a hit with shooters, as well as on targets, varmints, and game. The three Vixen models have been improved over the years. The new Vixen is on the short new L-461 action, in .222 or .222 Magnum. Well designed in beautifully finished wood and metal, it's practically a miniature of the new Sako Forester. This is the neatest Vixen ever made.

Many didn't like the old detachable box magazine. It's replaced with a 5-round integral type with a hinged floor plate. There is also a desirable sliding thumb safety. The receiver retains the sturdy grooves and dead stop for the Sako mounts. The slim, trim lines and light weight make the Sporter fast handling. The new features made me want to

replace my old, but excellent, Vixen Sporter .222 with the new model.

I pulled a couple from stock for testing. One was glassed with Weaver's K-8 in a Sako low mount, the other with Bushnell's 8X Scopechief in a Sako high mount. Both glasses are optically fine. A Weaver has appeal with a lower mount and constantly centered reticle. Bushnell's big nose appeals to some lads. We had to shim the mount to center the Bushnell crosshairs.

Both Sporters shot in 1.6" to 2.9" at 100 yards with Super-X lot 60TC03. Switching scopes gave about the same results. Four rounds out of 120 gave flyers, causing larger groups. This isn't rare with factory ammo. Any handloader worth the powder he burns can load better stuff. The .222 responds like a lonesome pop to a kind word. It's adequate for varmints to 250 yards, and some claim 300, with a mild report.


The stretched hulls were trimmed in a Forster trimmer to minimum length of Forster's Case Length & Headspace Gauge. Both guns shot in 1.5" at 100 yards, 20.5 grains 4198 and CCI No. 400 primers behind 50 grain Speer bullets. That's 1.0 grain over tops in Speer's fine manual. I've fired it with good results in six or seven .222's. It's close to factory velocity and pressure in a pressure barrel, but you should work up to all full loads. Vixens are proofed at 60,000 psi for a large margin of safety.

The rifle selected for my personal use was tested with the same load, except using the new CCI No. 450 Magnum primers. Groups tightened without high pressure but a sharper report. Cutting the charge 0.5 grain, the first 10 rounds screwed down to only

(Continued on page 59)

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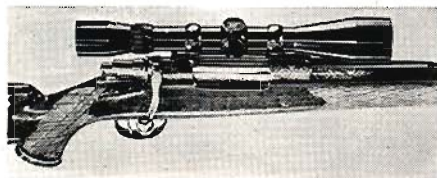
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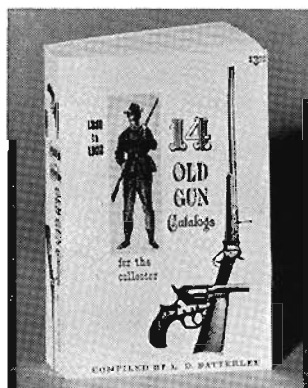
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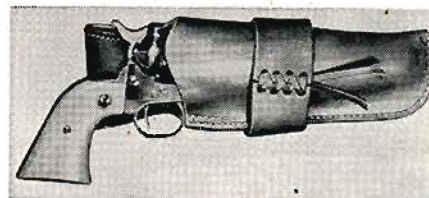
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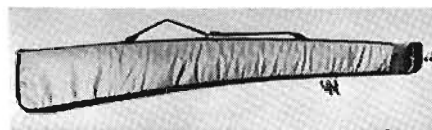
**WALTER H. CRAIG**, Dept. G-2, 413 Lauderdale St., Selma, Ala., has announced liquidation of his entire life-time collection of collectors and shooter-type weapons. The catalog is free of charge and lists about one-third of his several items. It is on best grade, slick paper and contains about 100 pages and pictures of literally hundreds of guns. Cost of catalog printing and mailing is \$1.00 and amount would be appreciated, though not necessary. Makes good reference book for weapon identification.

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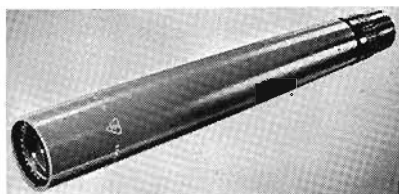
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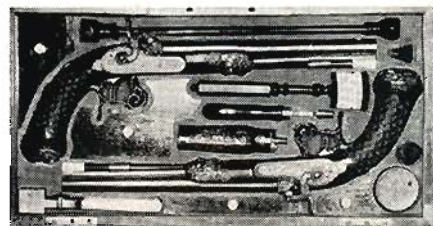


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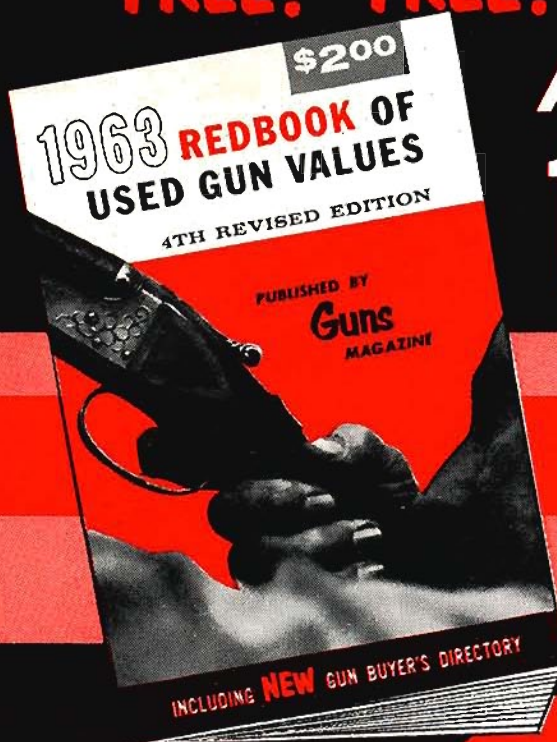
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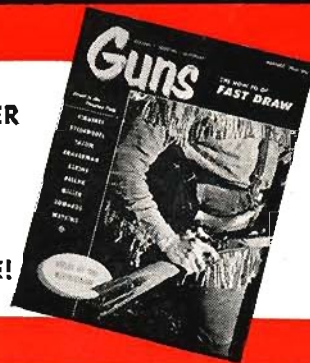
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(Continued from page 55)

0.7". It was thrilling to see the last 9 rounds wad up in 0.8", a bit "too good" for an ultra light sporter fired fast. A change in primers gave a whale of a difference in groups with little velocity change.

These 19 rounds indicated superb accuracy in the load. About 200 more rounds proved Magnum primers were superior, although both types varied a bit in group size, as expected. Still, my loads shoot under a minute of angle, and in about 0.5 moa with the first 3 or 4 shots from a cold, fouled bore. Those are the shots that count. You often hear of such accuracy from ultra light sporters, but few people have seen it. Still fewer get it. No rifle shoots better than the ammo, that depends on each and every

component. Adjusting a charge up or down, or switching powders, often makes a great difference. I'll report on this load again after it's tested in several other .22's.

### Speer Target-38's

Speer Air Force Training Target-38's are available for civilian indoor practice. They were designed by the people who make the excellent Speer bullets, and publish the outstanding \$2.95 Speer Reloading Manual. It's strictly for reloading, without powder or tools. A box of 50 red plastic cases, or 50 black plastic 15 grain hollow base bullets cost only \$1.50. Cases, headstamped Speer .38, take up to 40 firings. Bullets can be fired up to 15 or more times. Indoor accuracy equals gallery loads! Credit is due to the short case designed for this type bullet, or vice versa.

Velocity is a whooping 500 fps plus, enough to cause an injury at 25 yards or so. Yet bullets are easily stopped and trapped by a swinging terry cloth bath towel in a cardboard box. At close range the full wad-cutter pills penetrated 5 corrugated double cardboards, using CCI No. 350 Magnum primers. That's pretty potent for only a primer charge!

Cases use Large Pistol primers only. Rifle primers misfire. You can quickly assemble loads at the dining table without muss, fuss, or mess. You can decap with a nail, or a pencil. For a deluxe decapper, drive a 6d common nail about an inch in a wood handle and cut off the head. Place primers crown down on the table and lightly press cases over them. Slightly oversize primer pockets speed this work. Insert bullet bases (small diameter) in cases, and you are loaded for indoor practice. Loads are completely safe for normal use indoors.

The protruding bullets give an overall cartridge length equal to factory .38 Special, .38 S & W, and .357 revolvers. They don't work in my .38 Special auto target pistols or .357 rifle conversions. Bullets are undersize for brass hulls, for better accuracy and longer life at Hi-V.

Plastic hulls cushion the firing pin blow a bit. All makes of Large Pistol primers fired in equal-to-new S & W, Colt, and Ruger guns that were not tuned-up. My K-38, tuned for best target accuracy, has a minimum hammer fall. Some factory loads or reloads in brass cases with excessively hard

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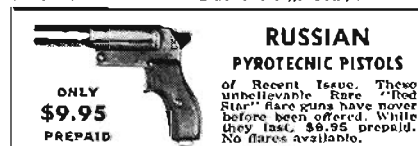
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primers misfire. It misfires with some pistol primers in Speer's plastic cases, but fires perfectly with CCI No. 300 or No. 350 Magnums. Best groups were with No. 350's.

Speer's new ammo is far better than paraffine loads, and doesn't goo-up a gun. It's very practical for keeping your shooting eye sharp. Shooting cost is nearly nothing in time, money or equipment. You'll find it's jolly good fun to have a shooting session in your own living room after dinner. You'll take a new interest in this shooting game with your family and friends.

### Other Ammo Dope

I highly recommend CCI Magnum primers for coated powders. The hotter, prolonged heat gives more complete burning in the bore, rather than ahead of the muzzle. This gives a very slight velocity and pressure increase, unnoticeable in normal loads. CCI primers are now nickel plated. Their world famous munitions chemist genius, Dr. Victor Jasaitis, found they gave a hair better accuracy for some unknown reason. Our own tests are not conclusive at this date, but there is certainly no accuracy loss. Any gain is very small.

CCI's new high velocity .22 Long Rifle ammo, made in their new plant in Mexico, is top quality. Our tests indicate it nearly equals the accuracy of match fodder. That's amazing for Hi-V stuff! Like its U.S. counterpart, it's made for rifles, but it groups beautifully in my two Hi-Standard target pistols. These people know how to make quality products and use their know-how.

Norma's .357 Magnum and .30 Carbine Soft Point cartridges are performing well, fully up to the high quality standards Norma sets. Their .357 bullet is superior to any other in factory loads. Probably U. S. ammo makers will have something similar someday. Norma's cases in both calibers are excellent for reloads, the same as other

Norma cases. Their .357 hull is especially good. Their first .357 loads with 14.0 grains of a fine powder, listed at 1520 fps at 39,000 psi, Swedish figures. In a pressure barrel it registered an actual 1541 fps at 42,500 psi. The improved new load uses about 12.0 grains of a square flake powder, identified by a NP stamp on the primer. Pressure and velocity seems about the same. When new tests are completed the figures will be in this column. The ammo is A-OK.

R. B. Smith tested Norma's .44 Magnum ammo in a Ruger Carbine, with a Weaver K-8 glass in a Buchler mount. Repeated 5-shot groups were 2.0" at 100 yards. I believe the accuracy was due to a long bullet jacket covering the bearing surface, and a tapered nose. Smith's 220 grain home-swaged C-H pills, backed with 22.0 grains 2400 and CCI No. 350 Magnum primers, put 5 shots in 2.3". That's fine accuracy.

Guy Wilson, Lubbock, Texas, called my attention to a goof handgunners might make. W-W 230P Ball powder does not bulk the same as Bullseye. Charge bars for Phelps or Star tools, Pacific Pistol Measure, and others, are for a specific powder. Check a new bar for accuracy and variation by weighing some charges. Be sure the right bar is installed. This also applies to shotshell loaders.

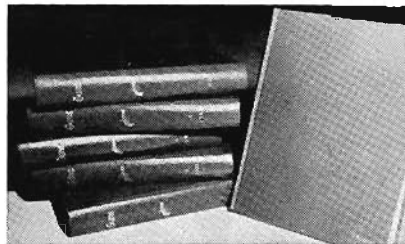


### Jim Harvey

**J**AMES WILLARD HARVEY, 69, of Lakeville Arms, Lakeville, Connecticut, died September 16, 1962, after a long illness. During his productive years he made many inventions in the firearms field—over 300, many patented and some not, but they all worked. He tried to improve nearly everything he saw.

Jim's greatest contribution to handgunners was a major break-through in pure, soft

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**Huge bullet holes were produced by .357 Mag. Jugular bullets in tests.**

lead swaged bullets. Harvey's zinc base Prot-X-bores came out in 1951. They were successful, but paved the way for the better Harvey Jacketed Jugulars, which hit targets and varmints in our tests in 1955, and hit the market early in 1956. It was my pleasure to write the first widely circulated story on Jugulars for the May, 1956, GUNS.

Jim's first love was guns, but many of his inventions were not related to firearms. Some were described in my article on him in the May, 1959, GUNS. Jim once told me that any interested shooter or handloader could think up improvements. He gave much credit to his good wife, Starr, for her interest and cooperation. The shooting world has lost a friend. May Jim's tribe increase.





# TRAIL AND TARGET

WITH Fast Draw struggling for a place among the shooting sports, it is a source of some amusement and more amazement to me how hot and bothered some people are about it, and how much of their heat is due to complete lack of understanding of what Fast Draw is—and isn't. Speed with a gun has always challenged the shooter, and it need not necessarily have anything whatever to do with shoot-outs at high noon, whether true western or Hollywood version. It may not necessarily even involve a handgun!

Gun speed was, as a matter of fact, one of the primary causes of firearms development. Countless men spent years of study and work to produce satisfactory breech-loading systems and simple self-contained ammunition to reduce the time factors of muzzle loading. Other men devoted years to the development of repeating actions, for faster firing. Gun speed is not necessarily melodrama; it may be merely good, clean fun—or it may be an essential factor of shooting efficiency, in hunting or in the target sports.

A long time ago (1949, if you must have a complete confession) I wrote an article titled "How Fast Is Fast?" It wasn't an original title; at least two men used it before I did, and more than two have used it since. But since my article had only limited circulation, it may not be out of place to repeat parts of it here. (One of the hazards of writing is that the printed word is damnably indelible! A man can say almost anything and be reasonably sure that it will be forgotten; or, if remembered, he can always say he was misquoted. The writer, if he sees print, is on record. However, this article can stand as written. Some new knowledge has been added, in certain areas, but what was true then is true now.)

"There was a time when 'fast with a gun' frequently meant the difference between being taken for a ride to Boot Hill or being decorated with a badge as Sheriff or Town Marshall. In those days, to quote one old timer, 'There was only two kinds of gunmen: the quick, and the dead. The quick kept on reportin' for breakfast, and the dead was soon forgotten!'

"... Today, only a few men measure gun speed in terms of personal survival. For most of us, speed with a gun is merely a factor in getting more game or in getting an extra bird or two at skeet or trap. But the questions 'How Fast Is Fast?' is still a topic of perpetual argument wherever shooters gather—and today, it's a question that can be answered. What with electrically operated timing devices, flash photography, et cetera, it's possible not only to measure the speed of a man with a gun but to measure also the speed of the gun itself, and the speed of the bullet, and put it all together into comparable fractions of a second. It has been done, many times.

"For example, suppose I told you that a good man with a shotgun, starting with the gun at the cross-body 'port' or 'ready' position, can get off a scoring shot on a live-game or clay-bird target in .376 of a second. Would you say that was cutting it too fine? Well, the boys at Winchester-Western's lab can cut it a lot finer than that, dividing even that small fraction of a second into its still smaller component fractions. Here are those fractions, as recently reported:

Time required to see and recognize target .....	0.1 sec.
Time required to mount gun, aim, and pull trigger .....	0.2 sec.
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Trigger to firing pin 0.008 sec.	
Ignition and barrel time .....	0.003 sec.
Total .....	0.011 sec.
Shot flight time (20 yards) .....	0.065 sec.

Total time .....

"Fast, huh? But what does it mean?

"Well, it means, for one thing, that the shooter is three times as much to blame for whatever happens as is the gun, in point of speed—a thing we'd all do well to remember when we're alibiing our misses. Note that the human reaction time (seeing and recognizing the target, mounting, aiming and firing the gun) is 72 per cent of the total, while the mechanical time (trigger to firing pin, ignition, barrel time, and shot flight) accounts for only 28 per cent.

## DECAL CHECKERING PATTERNS

The professional stockmaker who is not already using Decal Checkering Patterns is handicapping himself unnecessarily. There are patterns to suit every taste. Contact your jobber or write direct.

### PATTERN No. 8

Adapted from a design by custom stockmaker Leonard Mew, of Appleton, Wisconsin, the No. 8 features an over-the-top pattern for the pistol grip. The solid diamond shapes can be inlays of ebony, ivory, plastic, or silver and with this added touch this pattern makes one of the classiest looking jobs we've seen.



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  - Andaman Paduk
  - Prima Vera
- Always enclose "pattern" of your hand when ordering pistol or revolver grips to ensure a perfect fit.
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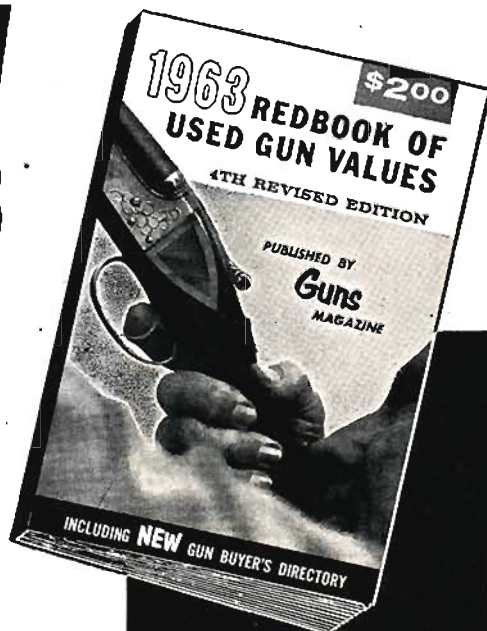
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"It explains, at least as far as mathematics can explain, the things you've seen exhibition shooters do: things like tossing a dozen or so eggs into the air, turning a back flip, bowing to the blonde in the front row, picking up a gun—and breaking each egg separately before they hatch. . . . Maybe it explains, too, why breaking 100 straight at trap or skeet is so easy! After all, anything that takes only that small part of a man's time ought to be easy!

"You can take those same figures as applying also to rifle work, and you won't be too far wrong. Of course you can argue that the finer aim needed to score with a rifle bullet would require more aiming time; but Captain Hardy, famous exhibition shooter, used to eject empty cartridges from a slide-action .22 rifle and then hit those cases, one after another, with bullets fired from the same rifle—so you can figure that he didn't use up much time in aiming, even at those tiny targets. Ernie Lind, another famous exhibition shooter, brings a rifle from his 'quick

## U. S. Rifle Shooter Sets World Records

Garry Anderson of the U.S. Rifle Team set a new world record with a score of 1157 points—eight points over the previous 1149 mark—in a stunning sweep of the 3-position match at the 1962 International World Shooting Championship in Cairo, Egypt. Anderson, a U.S. Army veteran who is now studying for the ministry, also established a new world record for the standing position.

Using the super-match Anschütz target rifle, the 25-year old Anderson swept all competition before him, including a strong group of Russian marksmen. The three position match includes standing, kneeling, and prone.

The Anschütz rifle is manufactured in West Germany by J. G. Anschütz Co., and is distributed in the United States by Stoeger Arms Corporation.

sling carry' (muzzle down, trigger forward, sling over the left shoulder), aims, fires, and hits flying targets in half a second—which, allowing for the extra time needed to bring the gun up from that low position, is not exactly slow, either."

End quote. That article is practically ancient history, considering the speed of modern progress; but it is interesting to note how closely it parallels the "reaction time" and "performance time" speeds claimed by modern Fast Draw performers. Not many of the Fast Draw boys claim reaction times quite as low as Winchester-Western's 0.1 second—0.12 to 0.17 are about the figures they mention; but the overall reaction-plus-performance time tallies pretty closely with Fast Draw records.

What has all this to do with practical shooting? Maybe not much, for the average shooter. But the next time you're inclined to toss off those sage remarks about "only hits count, and nobody can shoot that fast with accuracy," just remember these figures. Only hits counted. Remember Captain Hardy, and Ernie Lind, and Ad Topperwein, and a lot of other exhibition shooters. Remember Ed McGivern. It just happens that some men can be accurate a lot faster than others. . . . It happens, too, that the man with the broadest sneer is not always the wisest.

## GUN RACK

(Continued from page 10)

bullet puller and a Nylon cartridge holder that is light-weight and sturdy. The holder takes most of the belted magnum rifle cases and is large enough to hold 60 rounds of ammunition.

The shell holder rams for the C tools also have been re-designed. A Universal ram is now used, and the shell holder head is held in place with the now popular spring clips. This makes changing the shell holder head a lot faster and easier. Announced, but not yet received for tests, is the new C-H Powder measure. We will report on it as soon as we have had a chance to test it in our equipment testing shop.

### "Flying Holster"

Taking a gun along on a flight can be a downright nuisance. Most scabbards and cases are not suitable for airplane and airport handling, and a good many hunters have complained bitterly about the way their guns were handled en route to hunting areas. United Air Lines has done something about



this. Free of charge, you can get a special, heavy-duty gun container made of corrugated cardboard and with enough heavy paper padding to insure safe arrival of your gun. If your duffel and gun weighs more than the allowed maximum, United makes it possible to ship your gun through their "Personal Reserved Air Freight" plan that gives you a lower rate than straight overweight payment.

### CCI Magnum Primers

A recent visit to the CCI plant in Lewiston, Idaho, and some prolonged bull sessions with George Fairchild, the V.P., and Elmer Imthurn, CCI ballistician, produced some interesting side-lights on their Magnum primers.

Here is the method Elmer has worked out for testing ignition properties of Magnum primers. Using a .300 Weatherby Magnum and the 150 grain Speer bullet, charges were reduced until no ignition occurred with the CCI #200 primers. The charge was 60 grains

of H-570. Two out of five rounds had partial ignition, but ignition was not adequate to ignite the powder charge. Under controlled atmospheric conditions, another set of five rounds were worked up, but primers used this time were the CCI #250 primers. Action time, expressed in micro-seconds, averaged .005512 and average psi was around 9,450. All rounds fired with a normal sound, although the same and highly reduced powder charge was used. The classic piece of understatement came when Elmer wrote his report after a series of similar experiments. Being a good scientist and knowing that internal ballistics are often puzzling, Imthurn summarized his finding by stating that "the CCI #250 primers appear to give definitely superior ignition in this series of tests." He should know, he pops more caps in one day than most shooters do in a life-time.

### Rifle Sling

Bob Brownell, that genial gun whiz from Montezuma, Iowa, makes a dandy rifle sling. Bob calls his creation the Latigo sling and claims that it is the fastest one made. We have not timed it, but we have a suspicion that he is right. It is a simple matter to adjust the sling for length and position, and it is equally as easy to use the Latigo sling for carrying or shooting. We put one of them on our pet Griffin and Howe rifle and liked it fine during several hunting trips. The Latigo sling does not require fussing around with frogs, keepers, hooks, or other gadgets. A simple pull will adjust the sling for you in a hurry.

### Gun Club Targets

Dave Fisher, 1540 N. 28th St., Allentown, Pa., will send you a set of his sample targets when you mail him 50 cents. These targets are copyrighted No Argument targets that have found increasing favor with gun and sportsmen clubs for their turkey shoots and other events. Dave prints turkey-shotgun targets, targets for .22 no-scope events, and for high power rifle shoots. Best of all, orders are shipped prepaid and each shipment also contains entry and tally sheets that will make it a lot easier for your official scorers.

### Gander Mountain Catalog

Gander Mountain Shooters Service, Inc., has recently changed its name to Gander Mountain, Inc. The company is still located in Wilmet, Wisconsin, and Al Melka, general manager, has expanded the line carried by the company. The new catalog, which is the third published, is now available to interested shooters.



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**GUERRILLA WARFARE!** "130 Questions For A Guerrilla" by General Alberto Basso. Basso, veteran of Moorish campaigns in Africa, Spanish Civil War and several Latin American revolutions, used this book to teach Fidel Castro fundamentals of GW in Mexico in 1958. Includes 14 pages of how-to illustrations—make booby traps, grenades, incendiary bombs; demolish roads, bridges, railroads, etc. Panther Publications, Dept. E-1, Box 569, Boulder, Colorado.

**ATTENTION: READ "Notes On Guerrilla War"**—Principles and Practices by Colonel Virgil Ney. \$3.50 postpaid. Command Publications, Box 8303, N.W. Station, Washington 15, D.C.

**REPRINT 1916 Savage Arms Lewis 6: Machine Gun Manual** showing breakdown, critical use, etc. \$1.75. L. A. Funk, 2404C Woodland Rd., Payallup, Wash.

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## PULL!

(Continued from page 4)

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And the chances are very good that none of you will have to wait a lifetime for your hour in the sun. Many major tournaments, including the national tournament, are won by shooters in their first year of competition, or even by shooters in their first match.

During this month, in many parts of this continent, you can begin now to enjoy that sport offering more to more people than any other. You will be surprised to find that those very shooters whom you may soon be beating will be the first to help you get the hang of breaking clay targets, when you present yourself and your family at the nearest gun club.

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Strong bonds exist between participants in other sports, but in many cases these contacts can at best be for no more than a few years, during active playing life. Shooting together for 50 years is not too rare, and shooting companionships of over 25 years are not rare.

If you are not yet convinced that my opening statement was correct, ask another trapshooter. Or, better yet, take up the game, and prove me wrong—if you can.

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Listed here are the dates of the 1963 Western Mid-Winter tournaments. For details, write C. R. Temp, Secretary, California Golden State Trapshooters Association, 2331 28th Street, Sacramento, California:

Jan. 12-13: Kern County Gun Club

Jan. 18-20: Long Beach—Dominguez Gun Club

Jan. 24-27: Phoenix Trap & Skeet Club

Jan. 30-Feb. 3: Tucson Trap & Skeet Club (Arizona State Shoot)

Feb. 6-10: Las Vegas Gun Club

Feb. 15-17: Rancho Angelus Trap & Skeet Club (Los Angeles)

Feb. 22-24: Long Beach—Dominguez G. C. (Los Angeles)

March 1-3: Golden Valley Gun Club (Los Angeles)

March 2-3: Fresno County Gun Club

March 7-10: Harold's Trapshooting Club—Nevada State Shoot

March 15-17: Waterloo Trap, Skeet, and Bocce Club



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(Continued from page 3)

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ALCAN COMPANY, INC., Dept. G, Seminary Road, Alton, Ill. Alcan Shotshell Reloader's Manual, often updated, 18 pages, with complete information of handloading shotshells with Alcan components and much good information on how-to. Free.

ATLAS ARMS INC., Dept. G, 2704 North Central Ave., Chicago 39, Ill. Free brochure describing imported shotguns for trap, skeet, and field. Also domestic and imported shooting accessories. Special handgun folder is available.

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BADGER SHOOTERS SUPPLY, Dept. G, Owen, Wisconsin. Free 208-page catalog of guns, shooting supplies, loading equipment, scopes, tents, game calls and similar hunting and outdoor equipment.

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L. L. BEAN, INC., Dept. G, Freeport, Maine. Free 116-page catalog for outdoor clothing, hunting, camping, fishing equipment.

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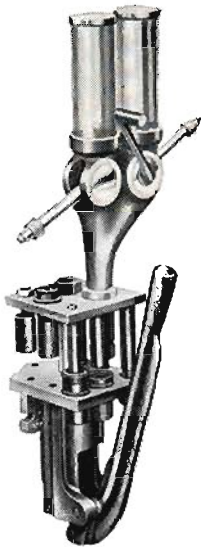
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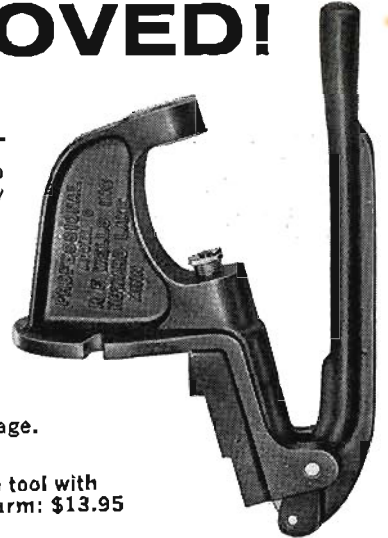
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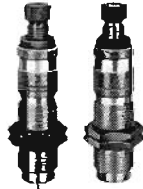
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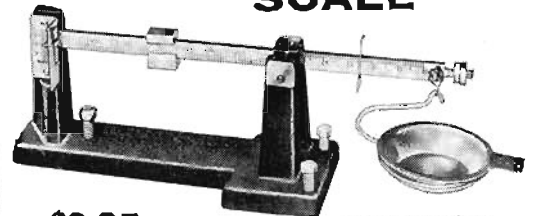
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