

OCTOBER 1963 50c

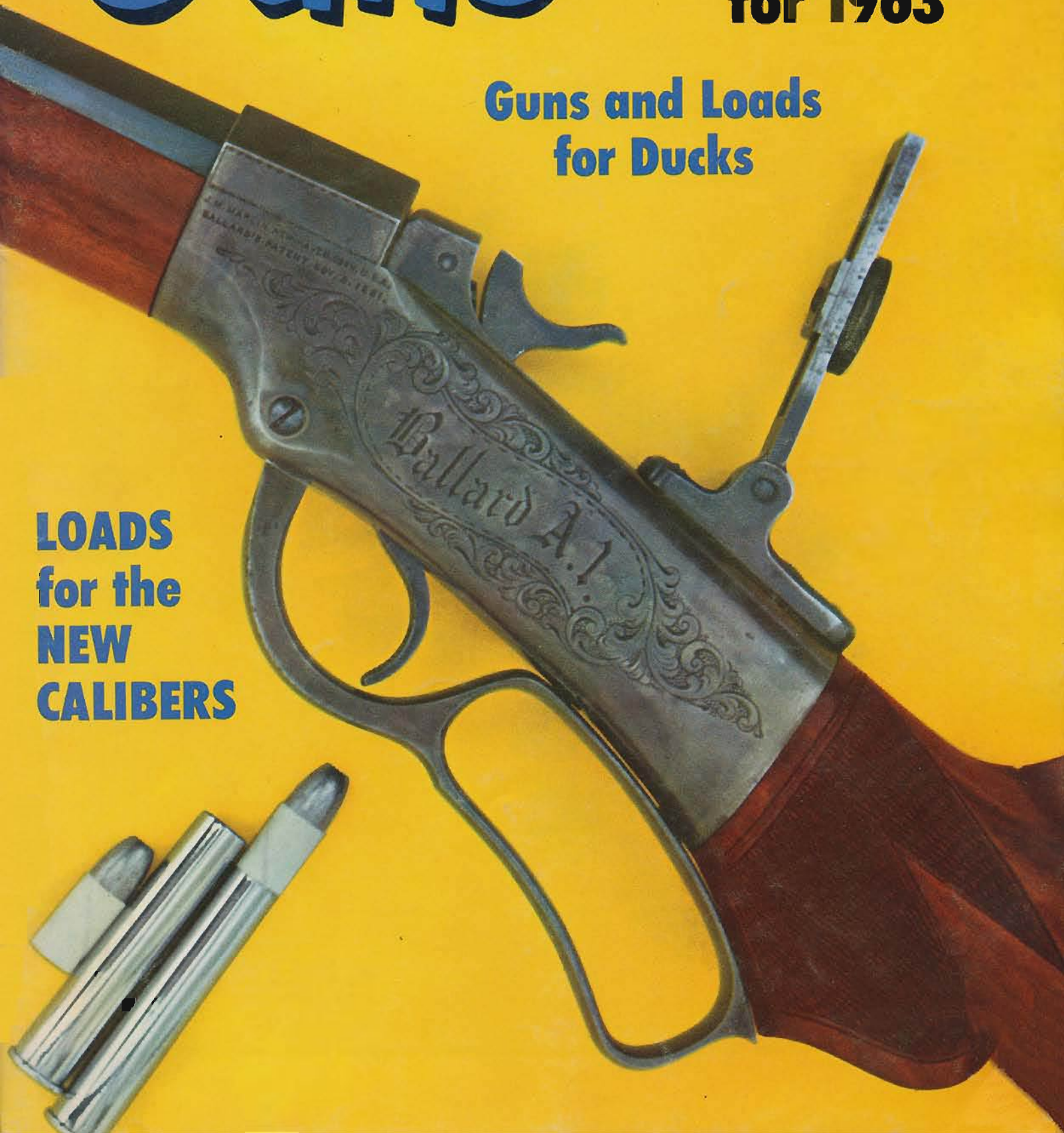
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Guns

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We believe that magnum caliber revolvers are your best buy for sporting purposes because of their great versatility. Each of these RUGER Single Action handguns handle a mild, low-recoil target-type load as well as one of the much more powerful modern magnum cartridges. Design features such as, weight, balance and grip, which make these revolvers perform

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The Super Blackhawk, using .44 Magnum caliber ammunition is the most powerful single-action handgun in the world. Using .44 Special ammunition the Super Blackhawk gives you moderate report, low recoil, and excellent accuracy. The perfect performance of this RUGER with either cartridge is the sum of very

unique features: a large hand-filling grip, a wide spur hammer, and a maximum contact $\frac{3}{8}$ inch wide trigger. The very extensive use of chrome moly steel gives incredible strength to this 48 ounce gun. The adjustable rear sight is pro-

tested by the massive RUGER integral rib. The superior design and capabilities of the Super Blackhawk are typical of RUGER arms and much appreciated by experienced users everywhere. \$116.00.



Fires both .44 Magnum and .44 Special cartridges. (.44 Magnum: 240 gr. bullet, muzzle vel. 1470 f.p.s.) (.44 Special: 246 gr. bullet, muzzle vel. of 755 f.p.s.)

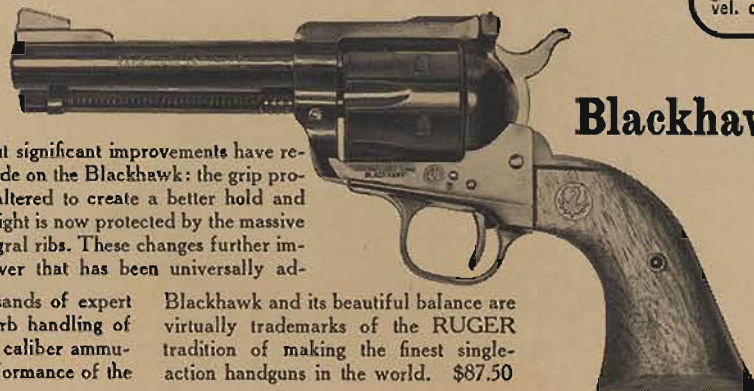


Fires both .357 Magnum Caliber; .38 Special cartridges. (.357 Magnum: 158 gr. bullet, muzzle velocity of 1430 f.p.s.) (.38 Special: 158 gr. bullet, muzzle vel. of 855 f.p.s.)

Two simple but significant improvements have recently been made on the Blackhawk: the grip profile has been altered to create a better hold and the click rear sight is now protected by the massive RUGER integral ribs. These changes further improve a revolver that has been universally ad-

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The RUGER "Single Six" is by far the highest quality .22 caliber single action revolver on the market. To further appeal to experienced users, the "Single Six" is usually sold with an extra cylinder, thus conveniently permitting use of both .22 Long Rifle and the powerful .22 Rim Fire

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These guns are in the popular .43 Rolling Block caliber. Ideal for conversion to a .44 magnum. The rifles are NRA fair to good condition with a limited quantity of select rifles available.

A small quantity of musketoons available at \$19.95; select model \$24.95.

NEW MARTIAL REFERENCE EDITION CATALOG

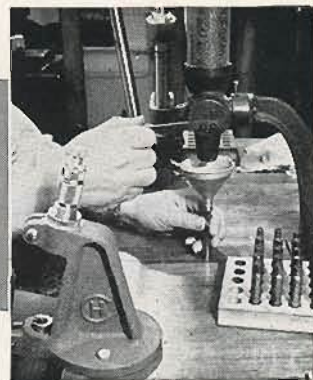
Every sportsman, hunter, shooter or collector will find something to whet his appetite. This is the world's most complete modern and antique ARMS & ARMAMENT CATALOG. Free with every edition — a genuine U.S. Army .45 pistol disassembly tool worth the price of the catalog alone! \$1.00



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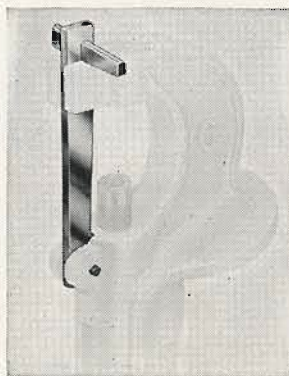
HANDLOADING BENCH

By KENT BELLAH



Echo Tools

E. C. Herkner Co., Box 5007G, Boise, Idaho, have improved and expanded their line of reloading equipment. They do not make reloading dies. The little "C" press they made for many years has been redesigned to work on the up or down stroke as desired. It uses a quick removable screw-on shell holder head. Otherwise it's similar to most "C" presses, that, I believe, were first



The ECHO wedge block tie-bar does eliminate spring during heavy work.

made popular by Pacific more than a quarter century ago. A wedge block tie-bar is available for heavy forming and swaging.

This little tool is well made, and entirely satisfactory. I always thought any light "C" press was a bit light for heavy work, but some chaps have used this type a long time and swear by them. You can't argue with success! The current trend is to heavier duty tools. The little ECHO "C" sells for a modest \$22.50, complete with one shell holder head and one primer arm.

ECHO's brand new "Champ" uses the same time-tested design in a heavy-duty model weighing over 15 pounds, with the same equipment, at \$27.25. I think the heavier frame and longer stroke are worth the difference in price. It's adjustable for a long or short stroke, up or down. Three bolts, the desirable number, hold the cast iron frame tightly on the bench. If you have ever split a bench top because a tool had only two bolts, you'll appreciate the extra back bolt.

Shell holder heads are quickly changed. I like them turned slightly to the left for faster feeding. If you like this position, lightly file the bottoms so they will index exactly where you desire. A very neat primer catcher, made of plastic, fits the tool. This inexpensive accessory holds several hundred primers. It will keep peace in the family if your wife doesn't like fired primers scattered over the

floor. The wedge block tie-bar eliminates spring in the frame.

The biggest news from ECHO is their entry in the handgun bullet swaging die field. These are really good dies, available for both their presses, as well as other tools. They make 8 different nose punches, with dies in calibers .38, .44 and .45, as well as .30 Luger and 9mm Luger, and .30 caliber rifles. Their punch No. 8 is made on special order as a core swage. An example of prices is the ECHO Acro-Matic die set for the new Champ tool, at \$15.75. An extra solid point nose punch in the same caliber is \$4, the hollow point punch is \$5.75.

The dies fit perfectly, and are in perfect alignment. The finish is very nice outside, and still nicer inside. These are sturdy, simple dies. There is nothing to get out of whack, and a green hand can start making beautiful, uniform bullets in a few minutes. A finger on the tie-bar, that comes with the set, is a clever and efficient method of automatically ejecting bullets. Swaging is very easy with either cut or cast cores and half-jackets.

Die sets are also available for the old ECHO "A" or "B" presses, the old or new Pacific, the C-H, and the RCBS A and A-2 tools. No doubt the semi-wadcutter design will be most popular for revolvers.

The ECHO hollow point design is a good one. It's fairly large, with a nearly flat bottom. This has proved to be the best design.

The round nose and wadcutters are good designs. All have sharp shoulders. The round nose .30 rifle pill should be popular for plinking and short range hunting, if swaged to around 100 grains, or 110. Extra die bodies at \$3.50 fit all dies. The swaging dies are real good, and not high priced. The side bleed-off makes "clean" bullets of uniform weight. You'll like these dies, and the new tools too, especially the Champ.

Some people load soft swaged handgun bullets by seating and crimping in one operation. This is not good practice if your sizer reduces cases correctly for your bullet diameter. It causes bore leading and deformed bullets that give poor accuracy. Bullets are correctly seated in cases that are a slight friction fit, with mouths slightly belled. The nose punch should fit the bullet nose perfectly. A full wadcutter nose punch is not the best for a semi-wadcutter bullet, although it can be used if necessary if bullets are not a very tight fit in cases.

I highly recommend that you set one die to seat bullets only, and another die to crimp only. Jim Harvey, originator of Jugular Jack-

(Continued on page 45)

Guns

FINEST IN THE FIREARMS FIELD

OCTOBER, 1963

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THE COVER

Great in its own right in all three shooting categories (military, target, and hunting) the Ballard was also the fore-runner of the long line of Marlin arms which carry on its traditions of accuracy and service. Produced for a period of less than 30 years (1861 to 1888) before it was superseded by the repeaters, The Ballard still holds an honored spot in firearms history. The picture is by Bob Wallack.

IN THIS ISSUE

special...

THE SHARPS AND THE BUFFALO.....James E. Serven 20
AN INTERVIEW WITH JOHN BUHMILLER.....R. A. Steindler 36

hunting...

CHOOSING A GUIDE.....Col. Charles Askins 23
NO MAGNUM FOR MULEYS.....H. V. Stent 26
DUCK GUNS AND HOW TO LOAD THEM.....John O. Cartier 32
HANDGUNS FOR SMALL GAME.....Carlos Vinson 34

handloading...

LOADS FOR THE NEW CALIBERS.....Kent Bellah 24

western...

OLD TIMERS WORE 'EM HIGH.....William Brent 28

collector...

AN ORPHAN FINDS A HOME.....Walter H. Craig 31

departments...

HANDLOADING BENCH.....Kent Bellah 4
KNOW YOUR LAWMAKERS.....6
QUESTIONS AND ANSWERS.....Graham Burnside 8
ARMS LIBRARY.....10
CROSSFIRE.....15
GUN RACK.....16
PULL!.....Dick Miller 38
SHOPPING WITH GUNS.....Roslyn Wallis 64
THE GUN MARKET.....72
INDEX OF ADVERTISERS.....74



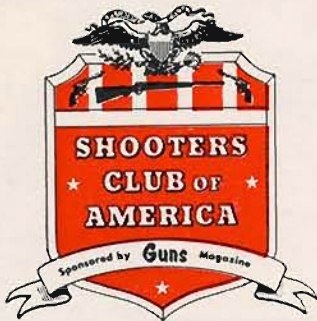
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ON THE PRESS as I write this, the "Newsletter" to SHOOTERS CLUB members contains (in addition to pre-publication news on many items of interest to shooters) an editorial on anti-gun legislation that should give its readers some of the best ammunition against bad gun laws and bad gun propaganda yet made available. In it is a direct statement from the Communists themselves, outlining their plan of attack—specifically urging their agents to "Cause the registration of all firearms . . . with a view to confiscating them and leaving the population helpless!"

On the press also for members, present and future, is the newest revised edition of the "1964 Redbook of Used Gun Values"—being printed early this year to supply the many new SHOOTERS CLUB members.

In the "Newsletter" also is an appeal to SHOOTERS CLUB members to notify us whenever any anti-gun legislation threatens in any state or local area. We



have our own sources of information, but nothing can equal the help you can give us by being alert to such pending situations, and by notifying us in time for us to help you with appropriate action. We extend that appeal to all readers of GUNS, whether members of SHOOTERS CLUB or not. When you hear of anti-gun activity, write us. We will take appropriate action.

But don't leave it all to us! You must act, too. For it is only by concerted, organized, directed action that we can win this never-ending war against our segment of our American way of life.

See the SHOOTERS CLUB OF AMERICA offer on page 63. There are many good things available to members, and more coming. Get on the bandwagon! Fill out that coupon now, and become a part of the energetic, aggressive new force that is making itself felt across the nation, at all legislative levels.



KNOW YOUR LAWMAKERS

Senator Everett McKinley Dirksen Illinois

I know of no movement or effort to impair the right of a citizen to keep and bear arms and I am quite sure in view of the attention which this matter received years ago in a discussion in the House of Representatives that any endeavor in this direction has been pretty well laid to rest.

Congressman James F. Battin 2nd District, Montana



I hold as inviolate the right of the people of this country to own and possess guns and to use them for any lawful purpose. With the power of world destruction in the hands of a few men (we can only hope they are sane) the right of the people of the various states to possess firearms and organize for the protection of this country is vital. And in view of an alarming increase in crimes of violence, this right would seem to be not only a duty to our country but an obligation for protection of our homes and families.

There are, of course, exceptions. I believe there should be control over interstate movement of firearms such as sub-machine guns and stiff penalties for unauthorized possession of such weapons, and also stricter control of sales of firearms to known felons.

Senator John Sherman Cooper Kentucky

As you may know, there has been some fear on the part of several members of Congress that the Arms Control and Disarmament Act would eliminate private ownership of firearms. Legislation has now been introduced which would protect the right of private ownership. I am enclosing a copy of H. R. 6364, which I thought might be of interest to you.

I believe that the meaning of the Second Amendment is very clear. It states in terms easily understood that our country's citizens are not to be deprived of the right to own and possess firearms. This freedom has played a significant role in the settlement and growth of our country, and it is as distinctly American as are the other Constitutional rights we enjoy.

I think it is agreed that reasonable regulation can be applied to these rights to protect the public safety but not to the extent of taking away the right.

H. R. 6364

A BILL to amend the Arms Control and Disarmament Act in order to insure that the proposed disarmament program would not eliminate private firearms.

BE IT ENACTED by the Senate and House of Representatives of the United States of America in Congress assembled, That section 33 of the Arms Control and Disarmament Act is amended by adding at the end thereof the following new sentence: "Nothing contained in this Act shall be construed to authorize and policy or action by any Government agency which would interfere with, restrict, or prohibit the acquisition, possession, or use of firearms by an individual for the lawful purpose of personal defense, sport, recreation, education, or training."

Congressman John Brademas 3rd District, Indiana

The Second Amendment guarantee of the people's right "to keep and bear arms" must not be regarded as an invitation to violence or law-breaking. Like the other amendments in the Bill of Rights, the Second Amendment represents the conviction of our Founding Fathers that government should be limited in character and that the people are the final source of political authority.





Range in doubt?



WEATHERBY MARK V .300 MAGNUM, \$285. (Scope Extra)

The flat-shooting hard-hitting .300 Weatherby Magnum takes the guesswork out of long shots

Estimating long ranges is the most difficult shooting problem facing the big game hunter once the quarry is sighted. However, the man armed with a .300 Weatherby Magnum has many problems solved for him. Using the 150- or 180-grain .30 caliber bullet zeroed for 300 yards, trajectory rise is negligible, and drop is so slight at 400 yards that a "hold over" of only a few inches will mean a solid hit in a vital area! This kind of flat shooting gives you plenty of "margin" for clean one-shot kills...the kind of extra long-range killing power the Weatherby Magnum is famous for.

Along with flat shooting, the Weatherby Mark V action gives you unsurpassed speed and safety. Low 54° bolt lift

gives speed for that second shot. Nine precision locking lugs (with 50% more bearing surface), 3 gas ports plus completely enclosed cartridge head make it the strongest and safest rifle on the market.

See the ultimate in big game rifles—the Mark V Magnums in .257, .270, 7mm, .300, .340, .378, and .460 Weatherby calibers. All are famous for flat shooting. Write to us for free literature or send \$2.00 for the 12th edition of the profusely illustrated 150-page "Tomorrow's Rifle Today," the Weatherby Guide. Weatherby, Inc., 2781 East Firestone Boulevard, South Gate, California. In Canada: Canadian Sauer, Ltd., 103 Church Street, Toronto, Ontario, Canada.

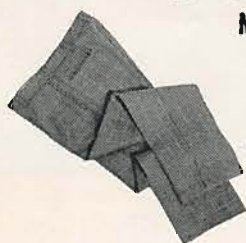
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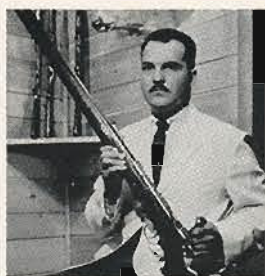
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QUESTIONS and ANSWERS

By GRAHAM BURNSIDE

ERMA Machine Pistol

I would like some information relative to the article, "Legal or Illegal," by Jim Corbett, in GUNS, June, 1963.

On page 23 is pictured a submachine gun for which I have a duplicate. I can find no name on the piece and would like to know if you can identify it for me. I found in a military small arms manual a gun like it—the German "ERMA" sub-machine pistol—but there are extreme differences between the ERMA pictured and mine.

Mine has the same type sight as pictured in GUNS, and is apparently a 9mm Parabellum. All the guts are out of the magazine, which is now just a shell.

On the cap at the rear end of the action appears "E.M.P. 18744" and a small eagle over an "N." This last mark also appears on the top of the bolt handle and on the barrel beneath the air-cooler jacket, on the under side of the magazine entrance. There is a swastika imprinted on the under side of the stock just in front of the hand-grip.

The stock seems to be made of cherry and the fore-end of maple or some similar wood.

Unlike the gun you pictured, my gun has an extra "trigger" which protrudes through a slot at the back of the trigger guard. The radiation slots on the air-cooler jacket are the same on my gun and your picture, but different from the gun identified as the ERMA in the manual.

I would appreciate all information possible, including where I might get a new magazine.

James Heavilin
Needles, California

The arm you describe and diagram, and the one pictured on page 23 of GUNS Magazine for June, are both examples of the "Erma Machine pistol." This arm was designed by a man named Vollmer, and was manufactured in both Germany and Switzerland. The name "Erma" derives from the fact that the major manufacturer was the "Erfurter Maschinenfabrik" and that's what the "E.M.P." on your gun stands for. (Erfurter Maschinenfabrik Pistole)

The arm is chambered for the 9 mm Parabellum, or 9 mm Luger round, and should be about 35½" long, and about 9 pounds 12 ounces when complete but unloaded.

Dealers who advertise that they have foreign parts may have an Erma magazine that you may purchase. The parts should be available, as the arm is not rare. They are, of course, subject to Federal Firearms regulations unless deactivated.—G.B.

Bad Primer?

I am trying to work up a load for my Winchester Model 43 in .22 Hornet using Speer 52 gr. hollow point (.244) bullets. I tested

a number of loads, starting with 9.0 grains of 2400 powder. I worked up to 9.6 grains, which gave me a ¾" (50 yard) group with no signs of excess pressure. I did encounter pressure at 9.8 grains of 2400 and only fired one round of this loading. There was no difficult extraction, but the primers were beginning to crater.

Last week, I loaded up some more of these loads with 9.6 grains of 2400 powder. With the first round fired, I saw smoke escaping from around the bolt of my rifle. The bolt was difficult to open and when I inspected the case I found that the firing pin had punched a hole in the primer. The one shot fired was right on where I held.

I checked my powder scale for zero and found it to be right on the money. The fired case is normal in every other way, no cracks or splits.

I hope you will be able to shed some light on this problem for me. I'd like to think that this was a fluke or a weak primer, but I just don't want to fire any more of them to find out.

I think GUNS is, as you say, "The Finest in the Firearms Field." I am proud to be a member of The Shooters Club of America and display my emblem with great pride.

Would it be possible to have someone write an article on statistics of gun accidents and fatalities as compared with other fatalities? There have been many odd bits of information on this, but I have never seen it in one concise article. I believe it would serve as fine ammunition to fight anti-gun legislation and anti-gun propaganda.

Robert Jack Williams
Jacksonville, Illinois

Your load of 9.6 grains of 2400 with a 52 grain bullet is not an excessive one. Maximum loads of 2400 in the .22 Hornet case and with the same bullet go on up to 10 full grains. If your Winchester Model 43 is in good tight condition, you must have encountered a bad primer or primer-primer pocket combination.

The load you describe would give you a muzzle velocity of about 2450 foot seconds, and that is not excessive.

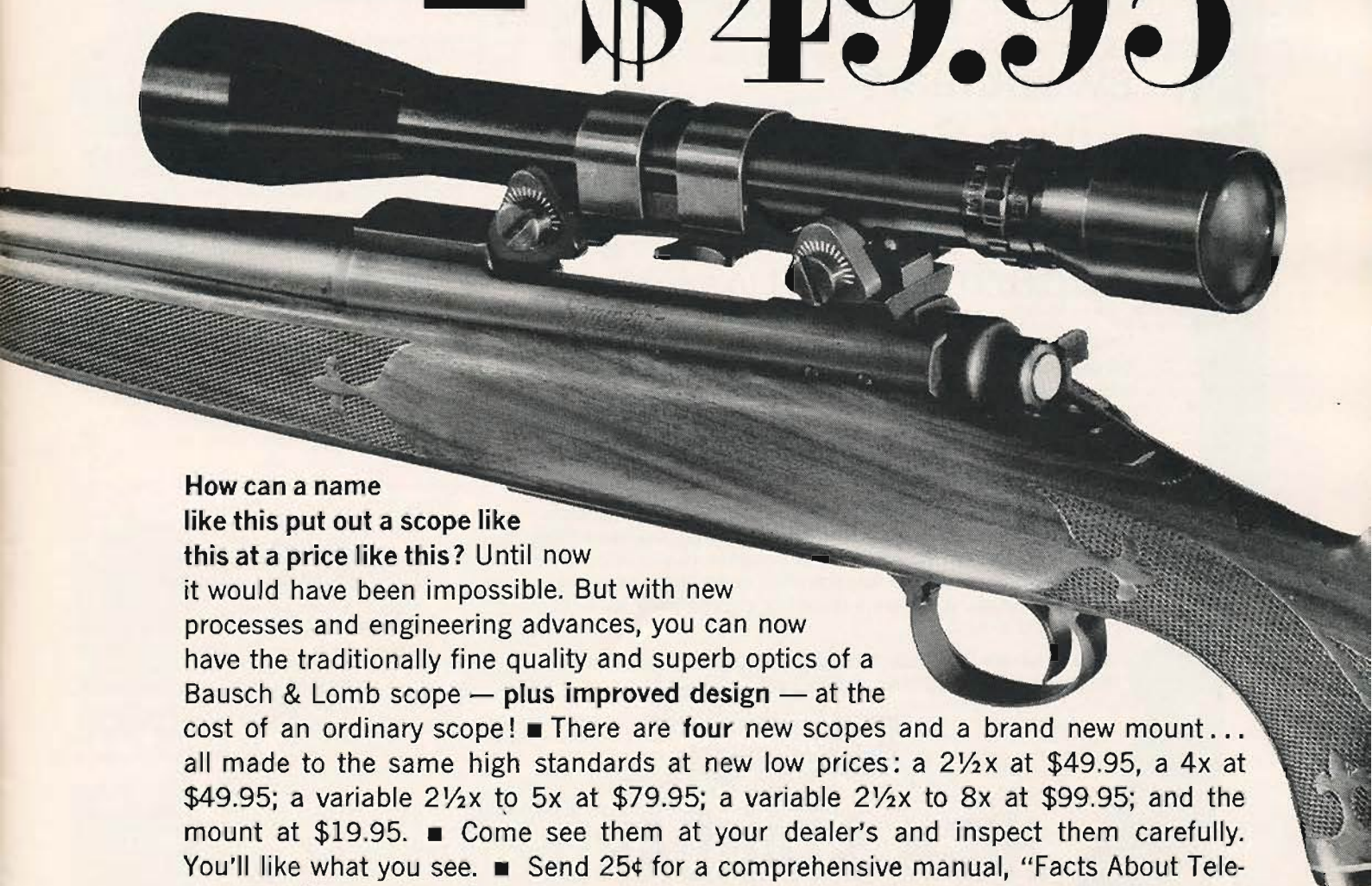
The idea of an article on gun accidents is a good one. We Americans hurt and kill more people every year with bathtubs than we do with guns, and automobiles take a heavier toll in a good (or bad) weekend than guns do in a year.—G.B.

Conversions

I have been inquiring as to the advisability and cost of using a 98 Mauser, an A3-03, or a 1917 Enfield action with surplus military barrels to produce a .300 Winchester Magnum. Various "experts" have replied in

(Continued on page 66)

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New 20 ga. Supermatic (DeLuxe Rib)

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Also available in FIELD, SPECIAL and TROPHY (illustrated at left) models. Prices start at \$119.95.

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SCARNE'S COMPLETE GUIDE TO GAMBLING

By John Scarne

(Simon & Schuster, 1961. \$10.00)

Then there was the wife who said her hunting husband didn't care too much about the game in the woods—as long as there was a game in the cabin. This wouldn't apply to you, of course; but there's no denying that the game in the cabin is sometimes an added attraction, and you'll be better prepared for it if you have absorbed some (and the more the better) of John Scarne's words of wisdom. If it is possible to write a definitive text on gambling, this is it, by the world's acknowledged authority. It covers all the basic games and most of the variations, with rules for play, percentages, and worlds of incidental information that make it fascinating reading, whether you play or not.

—E.B.M.

THE SOLDIER'S MANUAL

By J. H. Nesmith (1824)

(Riling & Lentz, 6844 Gorsten St., Philadelphia. 1963. \$13.50)

This exquisite little volume reproduces, with introduction and explanatory notes, one of the rarest American military publications, the first military colorplate manual, of which only one copy is known to be available to the public. This reproduction is in exact size and facsimile format of the original, with eleven full-color plates showing uniforms and equipment of the 1820s as worn by the volunteer and elite corps of Philadelphia and vicinity. Some of these troops are still active. The text is a manual of drill and weapons for cavalry, artillery, and light infantry; a book for all students of military history and those interested in American uniforms and the methods of troop drill procedures in the early years of our history. Comes in box case. A limited edition of 2000 copies, and sure to be a collector's item.—E.B.M.

150 QUESTIONS FOR A GUERRILLA

By General Alberto Bayo

(Panther Publications. 1963. \$2.00)

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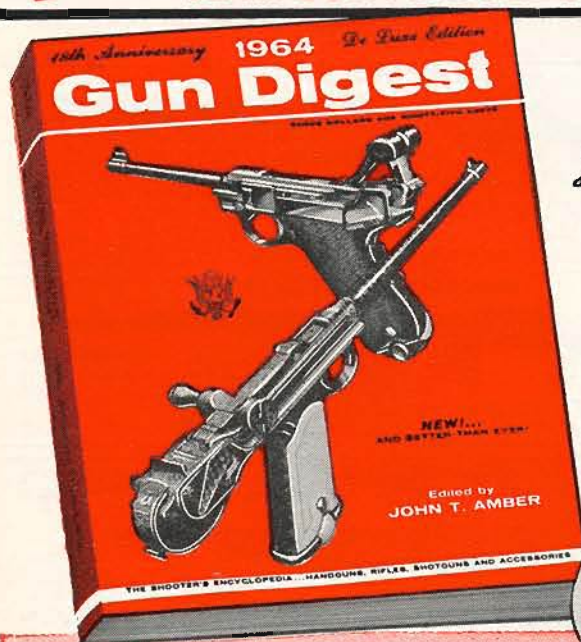
(Reprinted by The Holland Press Ltd., 112 Whitfield Street, London, W1. \$12)

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(Continued on page 71)

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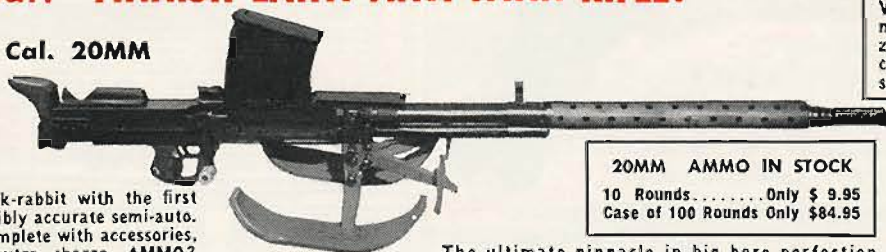
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MODEL 200

Genuine turn-of-the-century Glisenti Revolver mounted on walnut base with ceramic ashtray. 3-way switch and military print shade in full color.

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All prices are FOB, Alexandria, Va. Each lamp has been removed from the Federal Firearms Act by the Treasury Department. Guns are deactivated by removal of key internal parts and multiple helio-arc welding.



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CROSSFIRE

A Writer Writes

Just a few notes before I leave for a mixed-bag varmint "safari" on which, incidentally, I'll be doing an article—for you, I hope.

Your new department, "Questions & Answers," by Graham Burnside, is going over very well; I have heard many fine comments about it around the country. Ditto your Shooters Club of America. You have a fine thing going there, and it seems to be gaining momentum. I'm a charter member, in case you didn't know it!

Congratulations, too, on your covers. A lot of new readers are latching on to GUNS, copies because of the eye-catching covers. Excellent comments too on Kent Bellah's "Handloading Bench"—and on the fact that GUNS is mailed in an envelope, which means the reader gets his copy in good condition and not wrecked from being bounced around "naked" in transit.

Blaine Kloppenborg
Newton, Iowa

London Colts

The August issue is the best yet! So full of gun information. Especially, article by James E. Serven; I had never heard that the Pony Express Riders carried an extra loaded cylinder for their Navy Colt's.

Centennial Specials most interesting too. I have been told that Sam Colt once had a factory in London, England. Is this a fact? If so, give us the particulars, please; date when there, and how long? Collectors have told me they have Colt guns which were made in London.

Always enjoy my copy of GUNS.

R. Horace Grigg
Philadelphia, Pa.

Look for the article on London Colts by Joe Rosa, coming soon.—Editor.

Amen!

New York's Sullivan Law, as I understand it, was enacted to keep criminals from securing and possessing concealed arms, thus reducing and/or eliminating crime.

How come, then, the notorious Gallos (known hoodlums) were caught with an arsenal of nine revolvers & pistols? How did they get them? Why did they have them?

I think it is plainly evident that the entire structure of the Sullivan Law is *unworkable*, and it is about time the police, our law makers, and the public in general re-evaluate this ridiculous law and abandon it for the asinine error that it really is.

If a criminal, intent on a crime of violence, is aware that a law abiding citizen

may also be armed, he would instinctively have misgivings of any venture of this type. The criminal wants all the odds of success in his favor, but if his chances are only 50-50, I'm sure he would back off.

Let us, therefore, *disarm the criminal, not the law abiding citizen.*

William C. Stengel
Brooklyn 27, N.Y.

Where Did Betsy Go?

I first saw Betsy on a dirt road in Taney County, Missouri, in 1916 when I bought her from a farmer boy for one dollar. She is a .38-40 lever action Winchester saddle carbine on which, on the sides of the receiver, someone has mistakenly stamped .38-55 with a center punch. She has had the magazine shortened a couple of inches, and she has a lug to hold a bayonet. She was wearing a sling the last time I saw her.

She isn't any good, because the action is very worn and very loose, and the bore is a perfect sewer pipe. She has an octagon barrel and carries that patina of great age, many coats of rust. Sometime around 1924, I gave her to a brother who was a gun nut, and where she went from there I do not know and he does not remember.

She is extremely accurate clear out to three feet, and thereafter your guess is as good as mine. At 40 feet, she keyholes her big slug and tears a hole you can stick your two thumbs through. She is bruised, contused, cut, torn, and lacerated—but I still love her despite all her faults.

You have my word that this is no joke. I would like to have her back, and I will pay more than she is worth to get her home again if anybody knows where she is. I will gladly come and get her up to a day's drive from St. Louis. If anyone knows where poor old Betsy is, please write or call me.

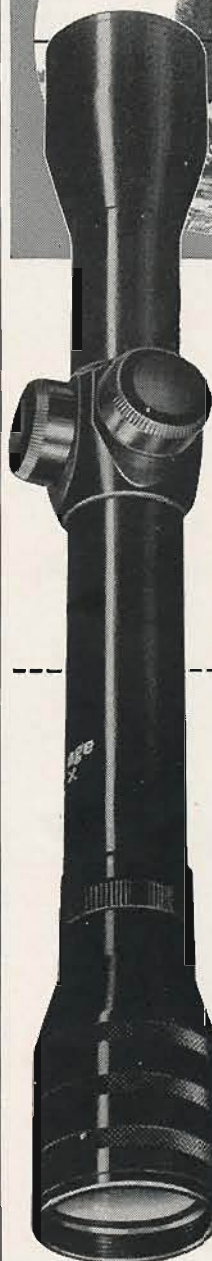
Barney Stones
EV-2-9537, 6227 Stillwell
Pine Lawn 20, Missouri

Sorry, Mr. Torme

For some time now, my copies of GUNS have not been reaching me. Perhaps one reason is that I have moved from Hollywood to Beverly Hills. If it is at all possible, I would like to be "reinstated," and perhaps have the back issues as well as all forthcoming issues mailed to my new address.

I am and have always been tremendously enthusiastic about your publication and would consider it a great favor if the aforementioned request could be complied with.

Mel Torme
Beverly Hills, California
(Continued on page 73)



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NEW COMES
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Your eyes will tell you at first glance that this is a quality instrument. Careful comparison with any scope in its class will convince you that there isn't a better scope at anywhere near the price. From eyepiece to objective lens the 0433 is packed with top quality design, workmanship and materials. (Savage guarantees it fully.) Precision ground, color-corrected, hard-coated lenses for high fidelity and bright-

ness. Tube is hermetically sealed, nitrogen filled, fog-free and weatherproof. Always centered reticle of special, shock-resistant alloy. Light, sturdy duralumin tube is rust-proof, has a handsome, durable finish. See your sporting arms dealer and take a look soon. And take a look at the low price tag, too.

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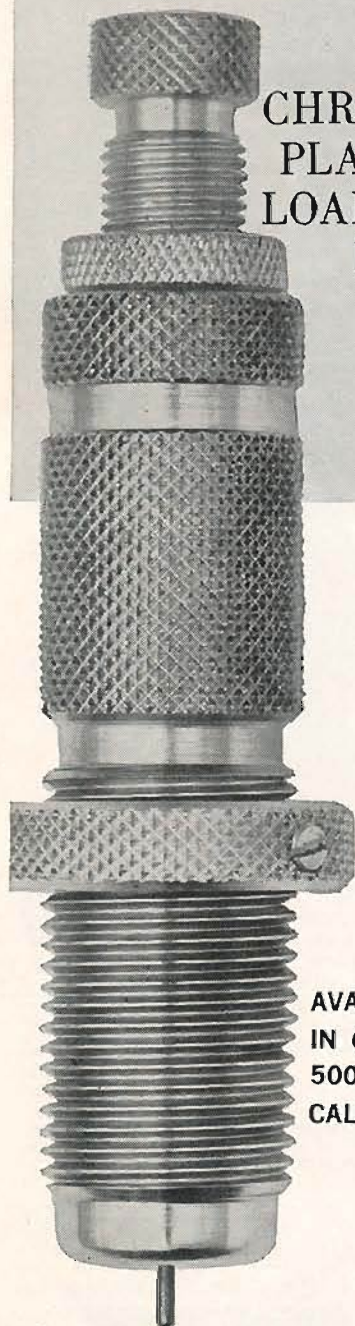


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Handloaders, Rejoice!

Word comes from Du Pont that the cap busters can now get canister lots of 4895. Ward Kissel also reports that other powders are destined to be put into pound cans and drums again, and the Du Pont ballistics lab has been putting in over-time in working up loading data for all the Du Pont powders and some of the new cartridges that have made headlines recently. If you are a shot-shell loader, you'll be glad to learn that more and more lots of Hi-Skor are now becoming available. It was not too long ago that this powder could only be bought under the counter. The demand for it was so great that getting it was slightly reminiscent to buying a package of butts during WWII. The loading data you can get through your gunshop or sporting goods dealer.

Precision Micrometer

Take a bullet, any bullet, mike it with your pet mike, then turn the job over to two or three other fellows. It is an even money bet that not one of them will come up with exactly the same reading you got. The precision tool and die makers know this, and Brown and Sharpe Mfg. Co. also knew this. They put their engineers to work and the upshot of their efforts is the latest B&S Slant/Line micrometer. Like any good tool, these are a bit higher priced, but will give you longer and better service than an inexpensive mike, and there can be no argument about the readings. You can get all sorts of dandy B&S measuring devices from your hardware or gun shop, and all of them come with full instructions.

Speer Bullets

Wally Titus sent us a box of .45 caliber, 200 grain semi-wadcutter swaged lead bullets that have one lubrication groove. We loaded a bunch of them with a standard .45 load and took the loads to the range. We cannot in all honesty, claim, to be members of the hallowed 2600 Club, but it seems to us that those Speer bullets did a much better job for us than the stuff that we have been casting. We turned about 20 rounds over to a competitive shooter and, when we asked him how he liked the new Speer creation, he simply showed us the carbon copy of a letter: He ordered 1,000 of them from the local shop!

Heym Mounts

The brothers Frank and Walter Klepeis, Dept. G, Rosendale, N.Y., now import a number of Austrian quality guns, scopes

and mounts. One of the finest European scope mounts is the Heym mount that is now available for a number of U.S.-made and imported guns. Working on the spring-claw system, the scope can be removed instantly from the rifle. No loosening of screws is required, and the scope returns to a perfect zero. We have been using one of these mounts on a pet rifle and, in order to test it, we fired five shot strings. Between each shot, the scope was removed from the gun and then remounted. The group measured the same 0.75 inch the gun always produces!

Rust, Corrosion Stopper

Rocket Chemical Co., Inc., Dept. G, 4674 Alvarado Canyon Rd., San Diego 20, Cal., submitted for test a preparation known as WD-40. This is a low viscosity material that prevents rust and corrosion through its ability to expel and repel moisture. It is a non-conductor, is non-gummy, and does not congeal at low temperatures. The extreme temperature variations and high humidity often play hob with guns in this area, and we can report that the WD-40 has successfully prevented the appearance of surface rust on guns that are being handled constantly. There are a number of uses for this product, and the more you try it, the more you'll appreciate it.

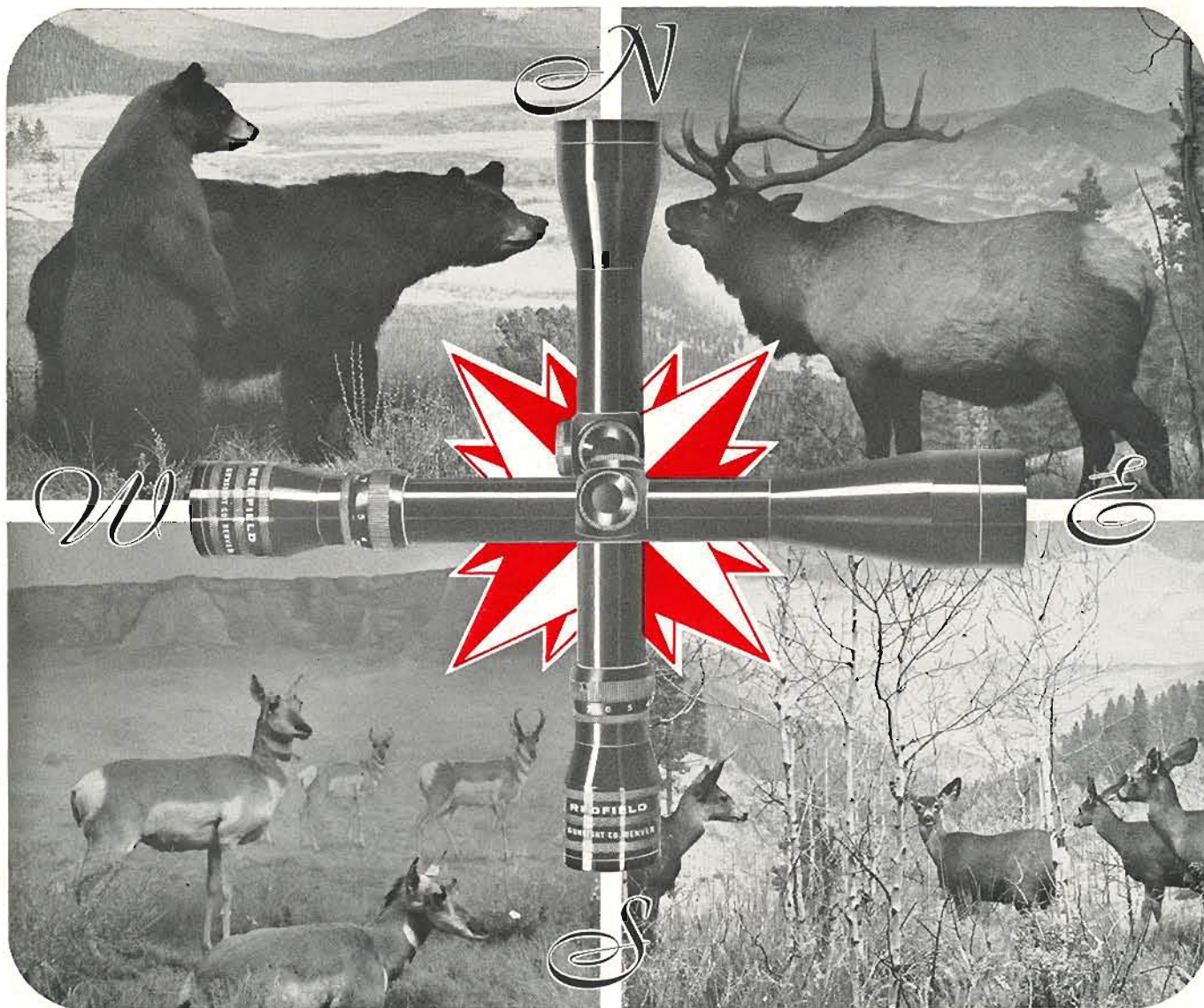
Texan Model M

This is a very solidly built, progressive and automatic shotshell loader. Our test tool came with the automatic primer feed, and no trouble was encountered in getting the tool into operation. Directions for setting up are exceptionally clear and fully illustrated, but instructions for setting up the automatic primer feed could be more explicit.

With each stroke of the handle the head of the Model M is indexed automatically, and shells progress through the 10 stations automatically. An extra set of powder and shot bushings come with the tool—which, by the way, is suitable for low base shell re-loading only. Operation of the tool is smooth, shells are produced flawlessly, and operation is simple. The Model M is available for 12, 16, and 20 gauge shells, and conversion from one gauge to the other must be made by an authorized service center of Sovereign Instruments Company. A list of these centers is available from the company, Dept. G, 8305 Sovereign Row, Dallas, Texas.

The hulls are handled only twice, once when the empty hull is placed on station #1,

(Continued on page 18)



Photos courtesy of Denver Museum of Natural History

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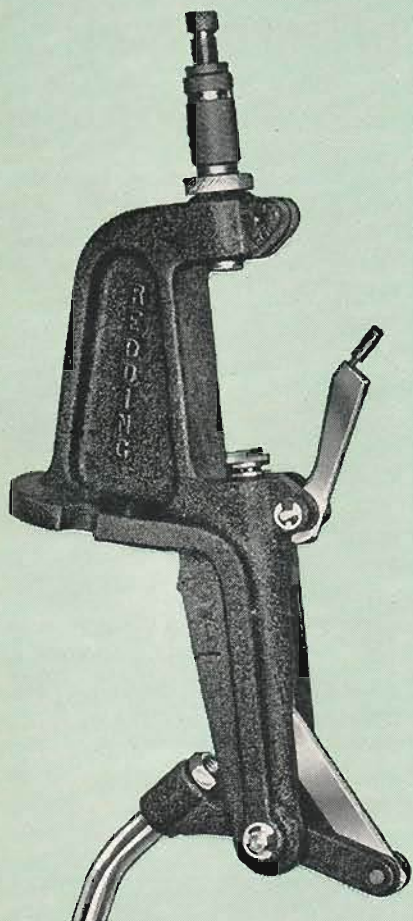
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GUN RACK

(Continued from page 16)

and then when the same hull, now loaded, is removed. Wads are inserted at station #3, and that is the only other manual operation required. A powder and shot cut-off makes it possible to run hulls through the various stations without charging, and the cut-off switches can also be used for emptying the hoppers. An optional crimp starter for new paper and plastic hulls is available. Two of the ten stations are presently not being used, but when the automatic wad feeder is completed, it will be installed at these stations.

This is a fast-operating, smooth-working tool that turns out shotshells at a great rate of speed. In loading some 400 hulls, there was not a single failure, and the loaded shells performed well in all guns. This is a machine for the trap and skeet shooter, or for the man who does a great deal of shotgunning. For these shooters, the Texan Model M will do very well for many years to come.

Anschutz Rifles

Say "Anschutz" and the average shooter will think of International small bore matches—and he is right. But with the advent of the new Anschutz rifles, in popular U.S. calibers, things are bound to change. During the NRA show in Washington, we had a chance to examine the new high power rifles, and they are beauties. Since looks don't guarantee accuracy, we were offered, and promptly accepted, the use of a rifle for testing. Currently produced in .222 Remington and the .30-06, our gun, when it arrived, was a deluxe sporter, Model 1532 E, in the .222 Remington caliber.

Weighing slightly over 6½ lbs, this gun has double set triggers. Wood and checkering are exceptionally fine. The side safety locks the firing pin and the bolt, and the folding rear sight with the hooded ramp bead sight make it possible to shoot presentable groups with iron sight. The receiver is grooved for mounts, and Anschutz offers a fine tip-off mount for the gun. Barrel length is 23½ inches, bluing is superb, the magazine holds three rounds, and the action is exceptionally smooth.

The .222 is a fine caliber, and in the Anschutz rifle, shooting five boxes of ammo was a sheer pleasure. Starting with factory ammo and with a Redfield 2X-7X Variable, it was a simple matter to duplicate the factory target. This target showed three shots touching, and we fired repeated groups that went under MOA, five shots at 100 yards. It was surprising that one lot of European factory ammo showed slight signs of pressure where the case had set back against the bolt face, but U.S. ammo of all manufacture showed no such signs.

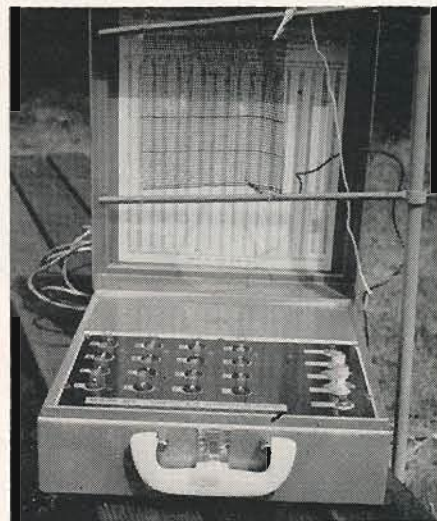
In handloads, we found that we had to cut our charges by 0.5 grains from the medium loads listed in the Speer manual and accuracy was only slightly improved with handloads. This is not surprising since there is a point of no return where even the most precise handloads won't shrink groups anymore.

The Anschutz rifles are now being imported in .22, and in .222 Remington, and

the .30-06 as well as other U.S. calibers are to make their appearance on the market in short order. Match rifles have of course been available for a long time. Also in the hopper, but not yet ready for import, are high quality match air rifles, and the prototype we examined promises a new sport—indoor match shooting in the basement or living room.

Herter Chronograph

The Herter Mark VII Chronograph is a precision instrument and extensive tests with this machine produced highly gratifying results. The Mark VII Chronograph is a self contained unit that reaches the customer complete with screens and screen holders, enough heavy duty cable to reach the stop screen without strain, and two batteries for the chronograph. The machine is contained in a metal cabinet with a suitcase style closure and handle, and the complete unit weighs less than 20 lbs. Highly portable, we have used the Mark VII on our outdoor range, in the gun room, and on our indoor testing range. Also available is a converter that will allow you to plug the Mark VII into the house current, and for range use, we found the plug that is furnished with the



Herter Mark VII chronograph comes with screens, holders, and stands.

cable and that fits into the cigarette lighter on the dashboard of the station wagon a great help. Instructions and explanations are complete, and getting the unit into operation is a cinch.

The Mark VII uses a binary counting system, and there are several steps in the operation of this chronograph that assure the shooter that the unit works properly and that the screens are connected in a complete circuit. Time measurement is in 0.00001 seconds (that is 1/100,000) by means of a crystal controlled oscillator that operates at a frequency of 100KC (100,000 cycles per second).

One noteworthy innovation is the Herter screen system. The usual foil tape and other screen devices require that these screens be

(Continued on page 39)



THE WAITING IS OVER

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Now you can own America's newest bolt action rifle chambered for these new magnum calibers: 300 Win. and 7 mm. Rem., also .264 and .338 Win. It's the Savage 110 Magnum, with striking power to drop really big game in its tracks. The price? Only **\$126.75**, a value never before equalled. Savage One-Tens are also available in .30-06, .243, .270 and .308 calibers at the remarkably low price of \$116.75.

Lefties haven't been forgotten either. The Savage 110-L is the first production magnum rifle designed for shooting from the left shoulder. Same fine magnum calibers at \$131.75 (standard calibers, \$121.75).

For the sportsman on a budget there's the Savage 110-E chambered for 7 mm. Rem. Has the regular One-Ten action—dependable and accurate, and priced at a low **\$109.50**. The same rifle, chambered for .30-06 and .243, only \$99.50. At your sporting arms dealer.

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The SHARPS and the

**PRIZED MILITARY ARM,
SLAYER OF BUFFALO, TERROR
OF INDIANS, THE
BIG SHARPS IS UNIQUE**

By JAMES E. SERVEN



Combustible paper cartridge is shown here with Sharps rifle. This gun is equipped with Lawrence automatic priming device which eliminates need for individual percussion caps. Left, buffalo hunter uses rifle sticks to score with every round.



BUFFALO . . .

The Kiowas, Cheyennes, and Comanches were mixing fresh war paint. Scouts had brought in word that a large group of hunters had moved down from Dodge City and established headquarters near the Canadian river, about a mile and a half from the crumbling ruins of Bent's old trading post, known as Adobe Walls. This was buffalo country, Indian-claimed by reason of an often-broken treaty made at Medicine Lodge which closed all the vast hunting grounds below the Arkansas river to the white hunter.

On June 27, 1874, as the early morning glow spread over that new buffalo-hunters' settlement on East Adobe Walls Creek, there could be seen a row of squat adobe buildings facing toward the rising sun. On the south was the thick-walled store of Rath & Wright, a pile of buffalo hides visible alongside. Next to it was equally sturdy Hanrahan's saloon; and about 50 yards farther north was the 20' x 60' store of Myers & Leonard. In between was a building which served as a blacksmith shop. Altogether, it was not much of a settlement; but on this day it was to make history.

In the early morning hours, an odd and fortunate thing had happened. A ridge pole at Hanrahan's saloon cracked with a report almost as loud as a rifle shot. A number of men were sleeping there and, fearing the roof might cave in, they set about repairing the damage and propping up the roof. They made such a commotion that most of the 28 men and one woman then at the "Walls" were roused from their sleep. Thus it was that they were quickly alerted when the glowing horizon suddenly came alive with an undulating line of six hundred or more charging, howling Indians.

As the warriors swept closer the bright-hued colors daubed on their bodies and the decorations on their ponies made a colorful but grim pageantry. Kiowas, Cheyennes, and Comanches, banded together to destroy a common enemy, were mounted on their finest animals, well armed with guns and lances, and carrying heavy shields of tough buffalo hide. It was an awesome sight for those 29 people at Adobe Walls, 150 miles from any chance of help.



Buffalo hide hunter starts skinning out the kill, his trusty Sharps rifle nearby.

Group of four Sharps rifles. The top three are the popular side-hammer models. Note the long range tang sights on two of these. The bottom rifle is deluxe version of the Sharps Borchardt rifle with concealed hammer and fancy grade wood.

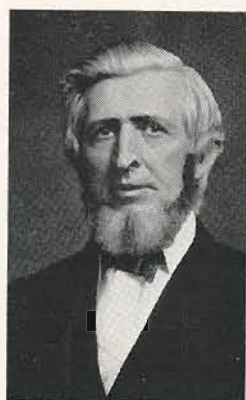


All except the Sadler brothers reached the protection of the three most substantial adobe buildings. These Sadlers had been sleeping in their wagon some distance away, and the Indians cut them off and killed them, soon flaunting their scalps.

Inside the building rapid but calm preparations were under way. These were not men who panicked easily. The youngest among them was "Bat" Masterson. Of him it was said that he was a chunk of steel and anything that struck him always drew fire. Another frontiersman with a coat of tan a half-inch thick and a fighting spirit as tough as his hide was Billy Dixon, not quite 24 years old, a deadly marksman.



Unique Sharps pistol has four barrels and revolving firing pin, chambers .32 RF ammo.



Christian Sharps, buffalo-gun maker.



The .45 caliber Sharps cartridges became the favorites of many buffalo hunters in the later days of the hide hunting. The big .50 caliber cartridges had been favored in the early days.

The walls, two feet thick, provided excellent protection. Sacks of flour and grain were used to barricade doors and windows where the riflemen took their positions. Soon, Sharps rifles began to boom, and riderless Indian ponies galloped away from the battle scene.

For a fierce half hour, the Indians charged and circled, pouring a hot fusillade into the buildings, coming close enough several times to hammer on the doors with their rifle butts. But this was a costly show of daring that promptly sent a number of braves down the trail to the happy hunting grounds. The deadly rifle fire of the entrenched hunters caused the Indians to become more cautious, and they began to fall back out of range of those big .44 and .50 caliber Sharps rifles. Although the Indians kept up sporadic attacks for most of the day, only Billy Tyler received a fatal wound. Billy had ventured outside into a stockade alongside Myers & Leonard's store and the ball from an Indian's gun ripped through his lungs.

Despite their own desperate situation, those inside the three adobe buildings expressed great concern for about 70 buffalo hunters out on the range, with camps scattered within a 25 mile radius of Adobe Walls and dangerously exposed to attack by bands from this great war party. All were believed to be dead.

Fortunately, there was plenty of ammunition at the "Walls," and the Sharps rifles had the range to keep the Indians at a distance. But the question of how long this handful of hunters could hold hundreds of vengeful Indians at bay, with little hope for reinforcement, did not suggest a bright answer.

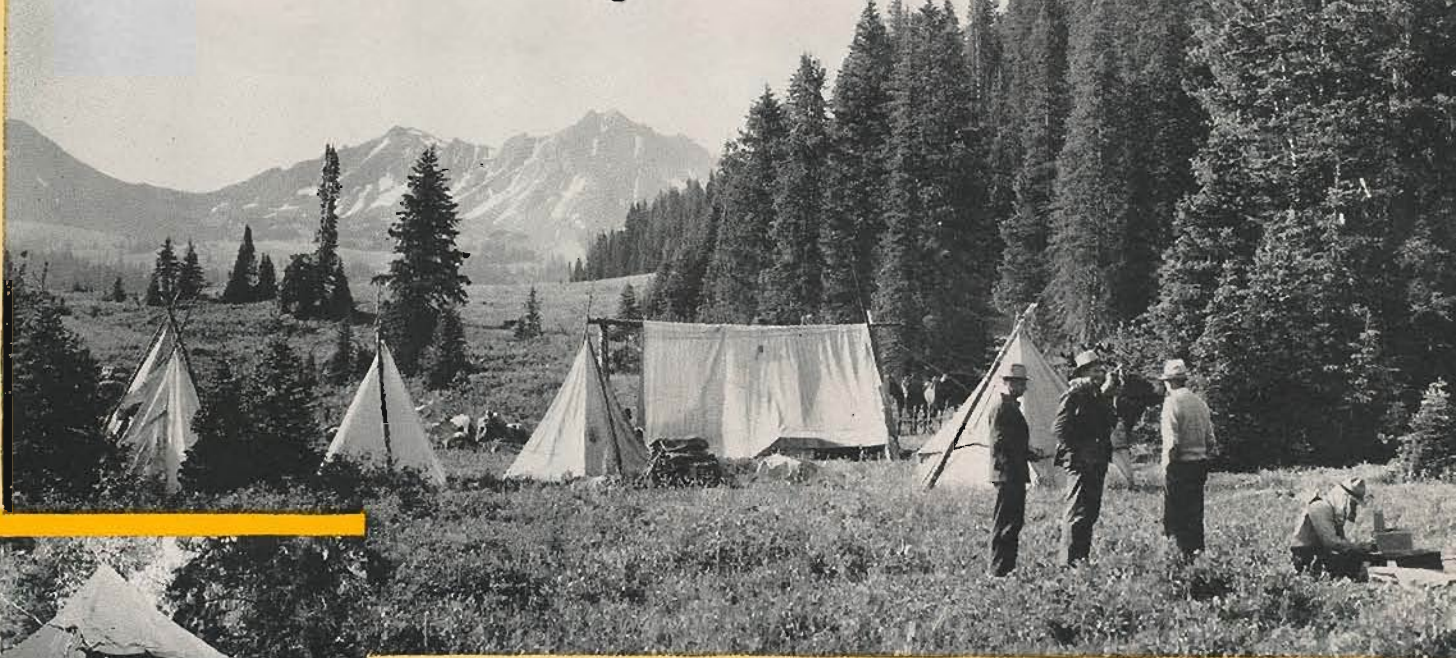
About four o'clock in the afternoon there was an uneasy lull. Some of the men cautiously ventured from the buildings to reconnoiter. They found a number of dead Indians, killed too close to the buildings for their tribesmen to recover the bodies. The scalp of a woman adorned the bridle found on a dead Indian pony; another scalp hung from a war shield. One of the Indians killed had beside him a six-shooter and a .50-70 Springfield rifle, a rather modern gun at that time for a Plains Indian.

The day faded into night with no more hostile activity, the Indians withdrawing from sight to honor their dead and plan new strategy. They could take their time. Adobe Walls was an isolated island in a great sea of uninhabited rolling plains; all the horses had been killed or run off; there was little chance of sending a messenger for help, even if help could be found. The chiefs were confident.

The next day, only one group of Indians was seen, keeping vigil from a bluff across the valley from the buildings. Even these disappeared when the buffalo hunters opened up on them at long range. Late that afternoon, two small groups of hunters miraculously made their way into Adobe Walls, giving rise to hope that others might still be alive. These reinforcements were warmly welcomed. Now having some horses, it was decided to send for help, and that night Henry Lease slipped away on a dangerous journey up the long trail to Dodge City.

A group of 15 Indians appeared the next day on the bluff overlooking Adobe Walls, about seven-eighths of a mile away. It was then that Billy Dixon made a shot which still echoes whenever men talk of the Sharps and the buffalo. Having lost his own big .50 caliber Sharps in crossing the Canadian on the trip from his camp to Adobe Walls, Billy borrowed another .50 Sharps from Hanrahan's bartender. Taking careful aim, he (Continued on page 60)

Choosing a Guide!



Hunting in rugged country is bad enough, but when guides are lax, it's plain murder.

**USE THE SAME
CARE IN PICKING YOUR
GUIDE THAT YOU USE
BUYING A CAR. THEY'RE
NOT ALL ALIKE!**

By COL. CHARLES ASKINS

ONE BAD EGG will spoil an omelette, and a bad hunting guide can sure spoil the flavor of an expensive safari for the man who hires him. But let's get it said pronto that finding one bad egg doesn't prove that all eggs are bad. Most hunting guides are highly competent hombres who give you full value for your hunting dollars and will bust a trace to see that you get your trophies. But a few bad guides are spoiling the omelette for a lot of good guides by the spoils systems they use on hunters who fail (or don't know how) to candle the egg before they buy it. Such as, for instance, the following sad story:

The advertisement had been glowing, and the guide's letters sounded just fine. The sportsman sent his down payment with eager anticipation. He was a little let down when nobody met him at Anchorage, but it was late when his plane landed and he figured they'd pick him up in the morning.

But there was nobody there in the morning, so he made a phone call. He got the guide's son. Pop, he was told, was way out back of beyond somewhere with another client, but sonny would be right in to pick him up.

The dude waited all day, made a

gaggle of phone calls, but got nothing but promises. Sonny didn't show up until around noon next day; and it was not until near daylight the *next* morning that they arrived at the base camp.

The camp was deserted. No outfitter; no cook; no wood cut—and sonny shied away from the axe as if it might bite him. They spent three long non-hunting days there before the outfitter finally showed up.

Now this dude had dropped several hundred bucks already in down payment and license fees, and here he was a week from home and nary a shot fired. Next day, it took the guide until well into the afternoon to get his outfit ready to move out. That night they spent in a wet, disorganized spike camp, badly fed, cold, and disgusted. Two days later, after more hard, ill-provided travel, the dude did get a couple of days of hunting, saw a few Dall sheep and some moose, but nothing worth taking. Then the food ran out—the outfitter had made no arrangement for supplying the spike camp—and they had to head back for Anchorage. The dude flew home, a couple of thousand bucks lighter in pocket and (Continued on page 55)

TIPS FOR Handloading the New Calibers

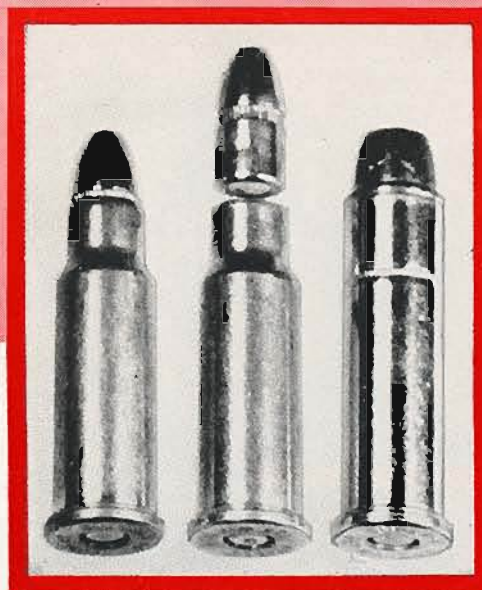
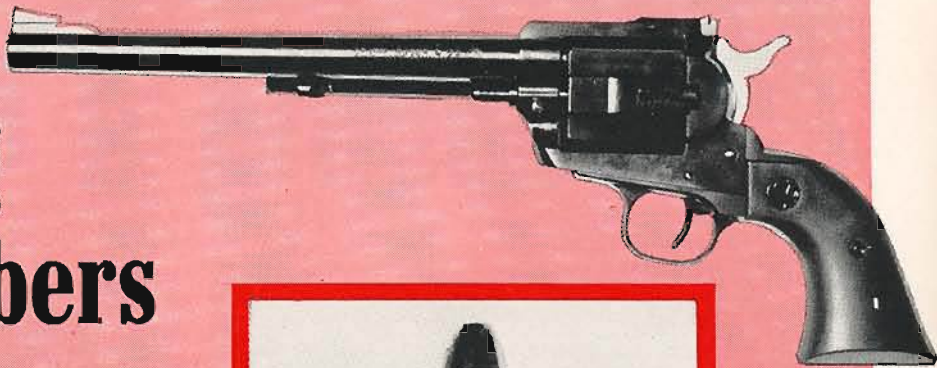
FACTORY AMMO IS HARD TO BEAT, BUT
TRY THESE FOR "THAT EXTRA MARGIN"

By KENT BELLAH

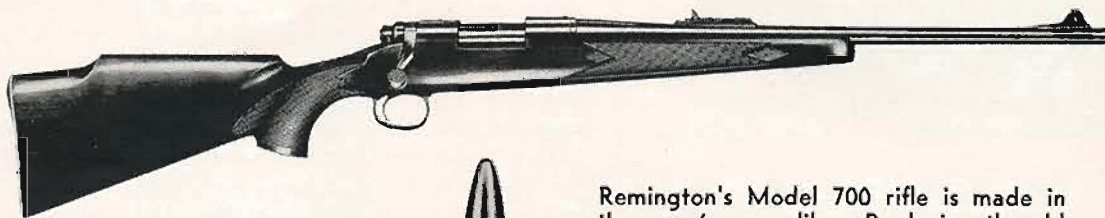
EVERYBODY'S buzzing about loads for the new cartridges. Never before have we had so many modern new cartridges, or so many fine guns for them. Many guns are time-tested designs with improved features and quality. Others are new types. Price tags are very low, compared with other durable products. A fine gun costs less than many optional automobile gadgets. New cars will be a pile of rusty junk in a few years, but guns often increase in value, with a useful life of a generation or more. Their fun value can't be measured in dollars. Fine modern guns are a "best buy."

Factory cartridges are better, more accurate than those made a few years ago. The variety of 6 mm's are fully 60 per cent more accurate than the popular .257 Roberts ammo a few years ago. The trend is to Hi-V, flat trajectory ammo, and accurate guns for it. You can pin-point hits at long range for fast, clean kills on varmints or game. We can handload for better accuracy, sometimes with higher velocity, and tailor loads to our needs. Reloads cost us a small fraction of the price of factory ammunition, so we can afford plenty of practice and plinking fun. This turns poor shooters into deadly accurate experts. You can save 65 to 90 per cent, making reloading the world's best bargain, plus a whale of a lot of fun. Anyone with near normal intelligence can assemble loads with safety and accuracy.

Loads for the new Ruger Hawkeye single-shot pistol in .256 Winchester Magnum were in my GUNS column (February 1963). I listed 15.0 grains of 2400 with CCI 550 Magnum primers and Speer's 60 grain bullet as a top load. Speer later called this tops, at 2436 fps, compared to 2428 (actual) velocity of the 60 gr. factory load. I still believe 14.5 gr. is the best charge with this bullet and the specified primers. Standard primers do not give adequate ignition. If you must use them, try Small Rifle primers, with an adjustment in the charge. This load shoots con-



Ruger Hawkeye in .256 Winchester Magnum develops up to 2428 fps muzzle velocity. Handloaded .256 ammo is shown next to a .357 Magnum case, from which it was developed. Varmint load uses 60 grain bullet.



Remington's Model 700 rifle is made in the new 6 mm caliber. Replacing the old .244, this new round is factory loaded with a 100 grain soft point bullet.



Two new potent varmint pistol rounds: the .256 Win. Magnum (left) and the .221 Rem. Both offer challenge to reloaders.





Forster Appelt's new Handgun Sling permits a steadier hold with any handgun, particularly the new, heavier models. Here it is being used with the Remington XP-100 single shot pistol with a Bushnell 1.3X scope. Sling is adjustable for any length reach.

siderably flatter than the factory ammo, due to the better ballistic shape of the bullet, and expansion is a bit better. It starts at 2400 fps.

Identical velocity is obtained with 16.7 gr. 4227 with a bit less crack and muzzle flash. I think 4198 powder is a bit slow for the pistol, but 19.0 grains starts the Speer bullet at 2360 fps, which Speer calls a top load. You may want to cut this charge 0.5 grain and use CCI 450 Magnum primers. This is quite accurate, and perhaps the best load for both pistols and rifles. Rifles increase the velocity close to 400 fps.

I don't see any advantage in heavier pistol bullets that lose much of the desired Hi-V effect, and they work well in rifles. Despite some claims, I don't consider this cartridge adequate for deer-size game, although a well placed hit will certainly bag a deer. It's a varmint cartridge for moderate rifle or long pistol range, suitable for smaller game.

Big bullet fans, generally old-timers, are still with us, although the .45-70 tribe is decreasing at a rapid rate. I favor the lightest bullet within reason that will do the job best at Hi-V. I like more than "adequate" power for fast, clean kills. It's little short of criminal to wound fine animals

that may suffer a lingering death, when more punch would make a clean kill. Double the bullet weight for a given velocity and you double the muzzle energy. Double the velocity for a given bullet and energy increases four times. But heavier bullets must be driven at less velocity.

Energy figures mean very little where bullet efficiency is concerned. They do not take into consideration the much higher efficiency of faster expansion at higher velocity, which is so desirable for fast kills on varmints and medium large game. Many deer hunters use heavier bullets than are necessary or desirable. When velocity is too low for fast expansion, bullets may go completely through animals, giving little initial shock. The buck you think you missed may run a mile with a mortal wound. A fast expanding bullet would have turned him heels over head.

Speer's top loads for the .256 W.M. and their 37 gr. bullets are 15.5 gr. of 4227 for 2057 fps., or 13.5 gr. of 2400 for 2012 fps. I suggest cutting charges 0.5 grain for 1944 and 1900 fps respectively. For less tissue destruction on small game try 10.5 gr. 4227, which is about minimum for a good load, up to about 11.5 gr. You won't lose any meat if you hit squirrels in the (Continued on page 52)

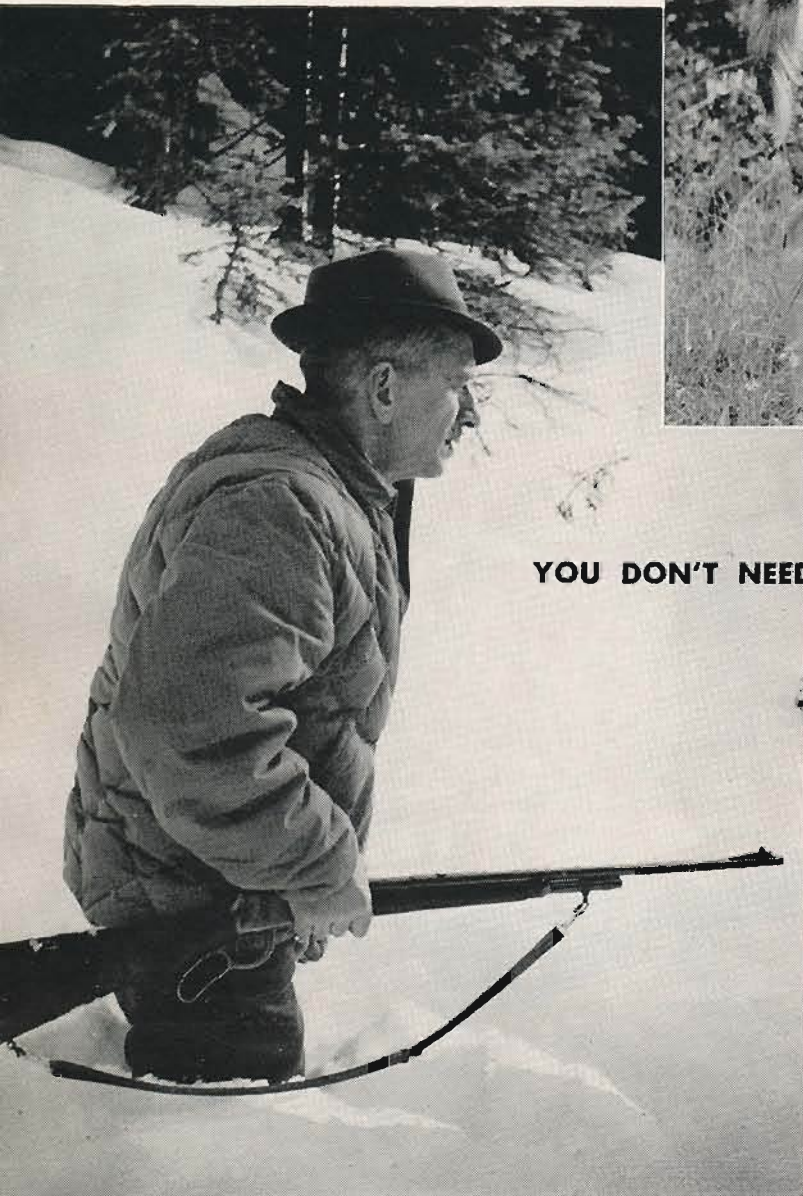


Winchester Model 70 "Westerner" chambered for the new .300 Winchester Magnum. Ballistics of this cartridge are about ideal for all U.S. game, from deer to elk.

Group size indicates 100 yard accuracy of new CCI .22 Long Rifle "Hyspeed" ammunition in a fine target rifle. This is Company's first venture into loaded ammunition.



More often than not, you will spot your mule or whitetail deer at close range. When going is rough, the lighter weight gun makes stalk easier and practice shooting less punishing.



**YOU DON'T NEED A 600 YARD RIFLE FOR GAME THAT IS
KILLED MOST OFTEN AT 100 YARDS**

No Magnum

By H. V. STENT

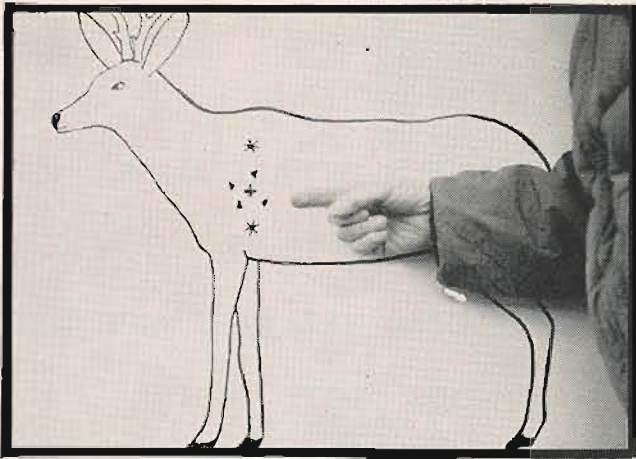
THE FIRST BIG game animal I ever saw in the western mountains was a fine mule deer buck at 300 yards. Snuggling down in the snow for a solid prone position, I dropped the buck with a shot from my .30-06, the 180 grain bullet performing just like the book said that it would. I had estimated the distance, and later we stepped off 300 long yards. That, as far as a youngster was concerned, was it. I vowed that, from now on, I'd carry only guns of large caliber and do all my shooting at long ranges.

If developments had gone their natural course, I would now be carrying one of the new, hot calibers, maybe one of the .300's or a .375 H&H Magnum, or perhaps one of the 7 mm's, or maybe a fancy custom wildcat. But I am carrying a .30-30 these days, and I get my game whenever I

go out with this often sneered-at caliber.

Two things upset my big caliber development. First was the unsettling discovery, in seasons subsequent to that first long shot some 20 years ago, that it was a freak. Never again have I had to shoot that far at a buck. In all my hunting in the rugged interior of British Columbia, most of my shots have been under 100 yards, few indeed over 150. Why then use a long range rifle?

The second upset happened around 1950. I had acquired a 1917 Enfield, planning to have it re-chambered to an improved '06 "Miser's Magnum," or perhaps the full .300. I had also picked one of those Savage 12 gauge single barrel shotguns with an alternate .30-30 barrel, and in a weak moment took the latter with me on a casual morning



Err in estimating the range by 30 per cent, and at 100 yards the .30-30 will hit deer. At 500 yards and with magnum, similar error will place bullet as indicated at right.



For Muleys

stroll into the hills.

Though my home town is no log cabin pioneer village, it is surrounded by wild country, and deer are often found within a mile or so of its busy center. That morning I jumped one. Typically, the buck was lurking in a little gully near a clump of Douglas firs, no more than 30 yards away when I came over the hill.

He streaked for the trees, and I swung the little rifle like a shotgun and fired. Venison vanished into the trees, and I shrugged and said to the sky, "Either I missed, or the thutty-thutty hasn't enough poop to drop a deer at an even thutty yards."

I followed the route the deer had taken, and within the minute found him flat in the fir-clump. He had been lung-shot and was very dead.

It shook me. Like most men who have never used a .30-30, I had not realized how much killing power the little cartridge has. I should have known better. I'd seen enough battered Winchester '94s and Savage .303's and .250's carried with quiet confidence by guides, trappers, and prospectors, hunting not only deer but also moose, elk, and even grizzly. Such experienced and successful mule deer hunters of my area as Walter Powell, Chester Reinertson, Jim Mayne, Rex Chapman, swore by their .30-30's. Surest venison-maker of the lot, in his day, was probably Channon Snow, and he made his reputation with a .25-35. Why then should I carry a cannon?

I tried toting a lighter rifle on deer hunts, and found it much more pleasant to carry and to shoot—and we still fried venison steaks. And now my first love, the .30-06, rarely gets an airing. I came to the conclusion that, for the average hunter at average ranges, even the .30-06 is a lot more gun than is needed for deer. It is effective at long ranges, has unnecessary weight, and unnecessary smash at both ends. I don't say that the .30-30 is ideal, but rifles in that class—light to carry, light in recoil, and powerful enough for the purpose—seem to me ideal.

If you seek a caliber with a flat (*Continued on page 44*)



Hunting and connecting with your deer can be fun, but dragging a hefty buck through deep snow must be classed as hard work until you reach the road. To make dragging easier, tie one foot over antler.





Chief Mabery shows the butt-forward carry sometimes used.

**HOLLYWOOD, AND
TODAY'S NEW FAST DRAW
COMPETITORS HAVE
DEVELOPED NEW RIGS AND NEW
METHODS, BUT
THE FACT IS THAT**

Old Timers Wore 'em High

By WILLIAM BRENT

THE OLD WESTERN gunmen, outlaws and lawmen alike, wore their guns in almost every conceivable manner—except one: the way the movie and television pistoleros wear theirs, on a so-called buscadero belt, with the gun hung low and the holster thonged to the leg.

I've no quarrel with the film-land waddies—I worked in the Hollywood factories myself for a number of years—and if the makers think these fancy rigs add glamor, I guess no harm is done. But let's not confuse hokum with facts.

The old timers never saw or heard of such rigs, much less wore them. I have examined many of the old pistol scabbards and belts, including Jim Brent's and one of Pat Garrett's, and they were all pretty much alike—nothing fancy or elaborate, just a fairly well contoured leather receptacle to carry a handgun so it wouldn't flop out during a hard ride, and a belt that threaded through a holster loop.

Jim Brent was my father. He was also, if you will pardon any seeming immodesty, a noted peace officer in New Mexico for about 40 years. A transplanted Virginian, he was a deputy U.S. Marshall and special officer in White Oaks in the late 1870s; he was chief deputy to Pat Garrett toward the end of the Billy the Kid business; he was later sheriff of Lincoln County, New Mexico; was with Garrett again in Dona Anna County; was a cattle detective with various big outfits—and wound up his career as city marshall of Silver City around 1910. He worked with or knew most of the New Mexico peace officers of his era, and came in contact with a lot of outlaws and "bad guys".

A well-known writer, E. A. Brininstool, came to Silver

City in the early twenties to interview my father, and he asked a lot of questions. One of those questions was, "What about the importance of the fast draw?"

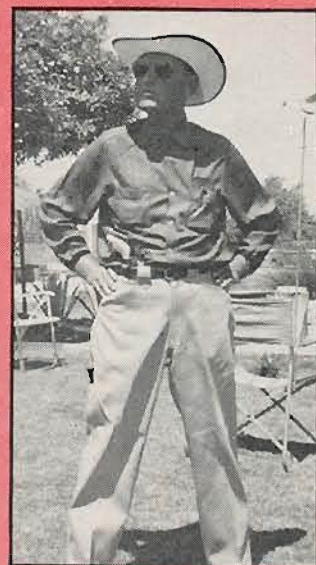
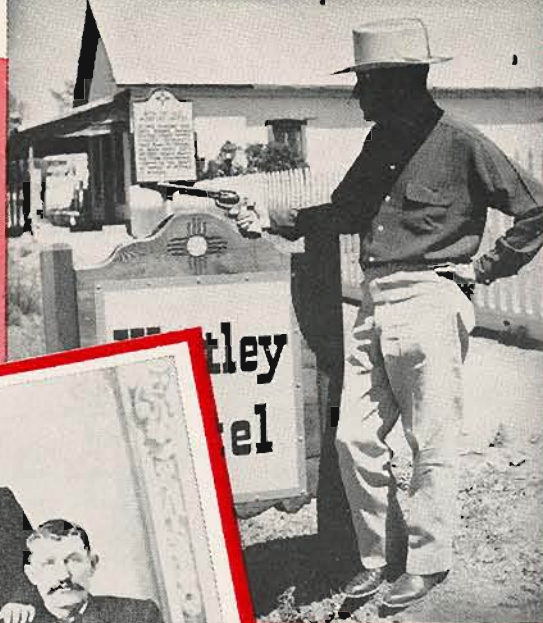
"Well, some men were faster with their hands than others," Dad told him. "But the men I knew and worked with figured that this meant little or nothing.

"In the first place, if an officer knew he was walking into serious trouble, he took precautions—like carrying his gun in his hand. He'd be a damn fool, if he didn't."

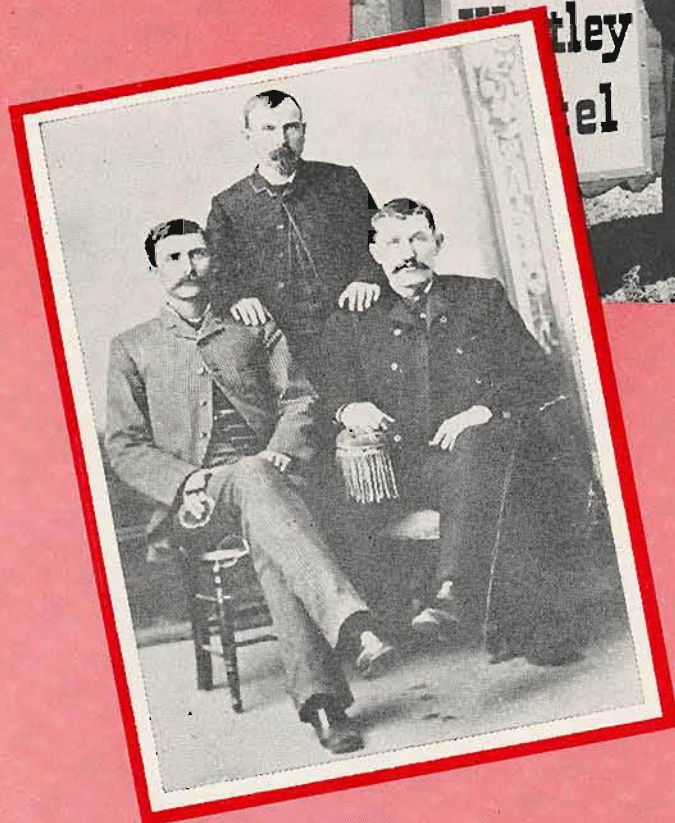
Sound familiar? It should. This is exactly the way our modern peace officers work.

"In a face to face fight," Dad went on, "when you had to kill or be killed, you 'made haste slowly' in pulling your pistol, concentrating solely on getting that first ball into your man where it would do the most good. If you believed yourself to be the better man—and you'd better have this confidence, or get into a less hazardous business—well, your reflexes took care of the rest, backed up by experience. The other man might outdraw you, but in his haste or nervousness, chances were his shot would go wild. At any rate, you tried never to think of what he was doing, concentrating strictly on your own actions."

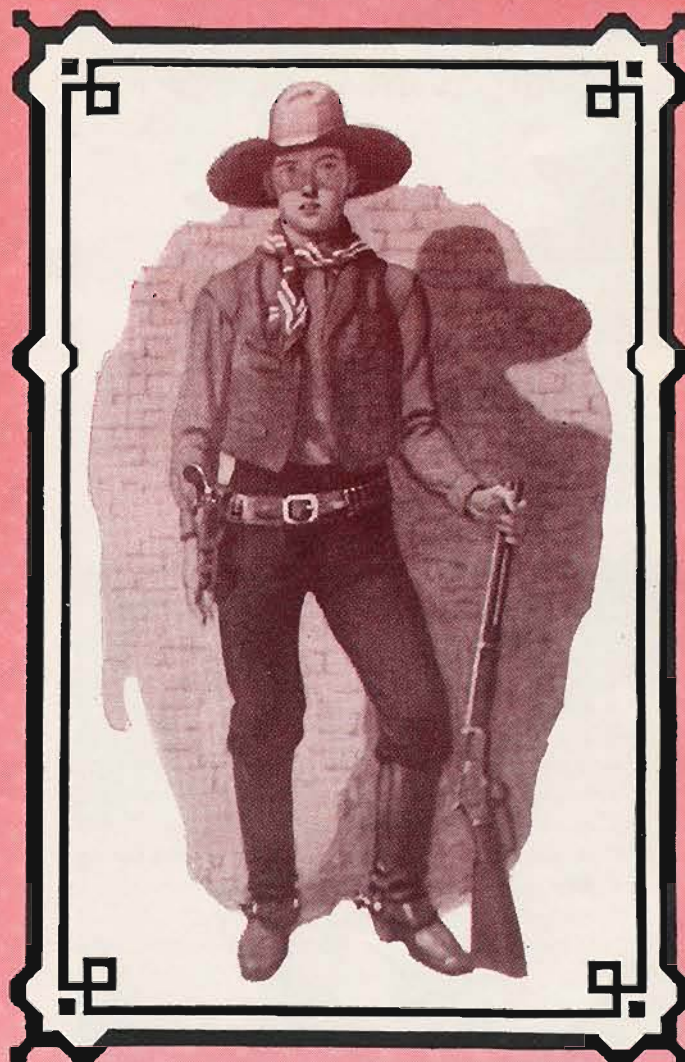
He told of one time how Garrett was forced to hurry his draw with results almost fatal to the wrong man. Garrett was taking two prisoners to Las Vegas. At Puerto de Luna, a local "bad man" named Mariano Leiva came up to Garrett and, hand on pistol, began a tirade of abuse. Garrett told Leiva to go away and not annoy him. With an oath, Leiva pulled his pistol, fired at Garrett and missed.



Below: Picture Garrett and Brent called "a good likeness" of Billy the Kid, far different from picture widely published.



Author (top and top right) with gun carried by his father, James Brent, who was Pat Garrett's deputy during the Billy the Kid days. In group: Garrett, left; Brent, center; and John W. Poe, another Garrett deputy. (Picture taken 1863-4.)



Garrett yanked his gun hurriedly—too hurriedly, for the trigger fell prematurely and the bullet plowed into the ground at Leiva's feet. Garrett's second shot—making haste slowly—did the job, though. It struck Leiva in the shoulder, putting him out of action. That, as far as anybody knows, was Pat Garrett's last attempt at the 'fast draw.'

Jim Brent's gun was a .44 Colt single action Frontier model, with a 6" barrel, presented and engraved on its pearl handles to him by the citizens of White Oaks, New Mexico, in 1881. It now reposes in the State Historical Museum at Lincoln, scene of the bloody Lincoln County War and focal point of much of the Billy the Kid legend.

Like many of the dedicated peace officers of his time, Jim Brent disliked show and ostentation. He carried his gun, in town, without a holster, inside his right waist band, with the loading gate flipped open to keep it from slipping through. His coat concealed the gun, yet it was easily accessible. On horseback, or in buggy or wagon, he



Illustrating the preferred method of wearing holster: High on the hip, pistol butt facing to rear, and no thong.



"Town" carry, with gun inside trousers belt, loading gate open to prevent gun from slipping down. Coat would hide it.



Sheriff Yancy and Police Chief Mabery of Yuma wear gun even higher than did the old timers, and can tell you why.



carried it snugly on his right hip, the holster attached to a fairly wide gun belt, with loops for cartridges—the cartridges all of the same caliber, since his rifle, a Winchester .44, fired the same shell as his pistol. This rifle and pistol combination was in general favor with both the law and the lawless in those days.

Others, he said, used these same methods. This included Pat Garrett, John Poe, Dad Peppin, and William Brady, among others. The most common gun carry, Dad said, was with the holster on the right hip, high up, on a belt with or without shell loops.

Others wore their pistols in various ways, as suited the man—some on the left hip, butt forward—a few on the right hip, butt reversed—others inside the left waistband—and still others inside the trousers on the right hip, with or without holster. (The photos, posed by Lloyd Mabery, illustrate several of these methods. Lloyd was 25 years in police work, Yuma city police, undersheriff, and deputy U. S. Marshall.)

Some of the old timers, both lawmen and outlaws, carried an extra pistol, a derringer or other small gun, inside a coat or pants pocket, or in a makeshift scabbard inside a boot. Doc Halliday, of Tombstone fame, was said never to be without a "spare." Dad never saw the need for this. But some times, on missions that might involve shooting, he carried an extra gun and belt draped over the saddle horn, just in case.

In answer to another question, about two-gun men, Dad said that he had never known but one peace officer who wore two pistols. This was Bob Ollinger (pronounced Ole-injer), killed by Billy the Kid from the second story of the old Lincoln County jail, with Ollinger's own double-barrelled shotgun.

"Ollinger wasn't a game man," Jim Brent added. "He was flamboyant, full of bluster and brag, trying hard to convince everyone what a bad man he was. But he never killed a man that it didn't smell strongly of murder."

"What kind of men were these gunfighters?" Brinistool asked father. "Take Billy the Kid, for instance."

"The outlaw, as I knew him," Dad said, "was a muchly overrated man. For the most part, they never went into a showdown fight unless the odds were all in their favor. There were some, though, who were dead game. Hendry Brown was one. He was the kind of man I'd like to have on my side in a tight pinch... Dave Rudabaugh and Tom O'Folliard would do to take along, too. They had courage in the showdown. Both—like Hendry Brown—were members of the Kid's bunch."

"About Billy Bonney—well, he killed eleven men, as Garrett and I figured out once from the facts we knew about—not twenty-one, as has been stated in print so many times. Only one of these was killed in what you might call a stand-up, face-to-face fight. Other than that, Billy always had the big edge."

"Was he a dead shot, as has been repeatedly told?"

"In my judgment, and in that of others who knew him, he was no better or worse than any other man who handled guns constantly. He could hit—and he could miss. When he killed Deputy Bell, his guard at the Lincoln County courthouse, he missed! His shot, from (Continued on page 50)

Pete Newman, Yuma County, Arizona, peace officer for 40 years, shows the guns he'd used during the course of his long career.

ORPHAN FINDS HOME

IT CAME WITH A BATCH OF COLTS AND REMINGTONS — BUT WHAT IS IT?



IN MY NEVER ENDING search for the curious and unusual weapons, about two years ago I bought a beautiful collection of Colts and Remingtons. Evidently the former owner was pretty much like me, in that, although he specialized in Colts and Remingtons, he also must have bought just about any kind of gun he could locate.

After getting the guns home, in going through them and cataloging them for insurance purposes, I came on a very odd looking three-barrel pistol. It was very light, and was obviously a gas or flare gun—but who ever heard of one with three barrels? It definitely had no place in a collection of Colts and Remingtons, but it certainly had found a home at my home.

The name and address of the manufacturer was



Gun OF THE MONTH



By WALTER H. CRAIG

A unique collector's item, multiple barrel gas pistol was made in the U.S. by Van Karner Ordnance Corp. Gas shells are about 28 gauge. Note sight on top and bottom of barrels.



plainly stamped on it, so I felt it would be no problem in finding out all about it. I was soon to learn just how wrong a gun nut can get, because a few days after writing to the manufacturer, my letter was returned marked "no such address known."

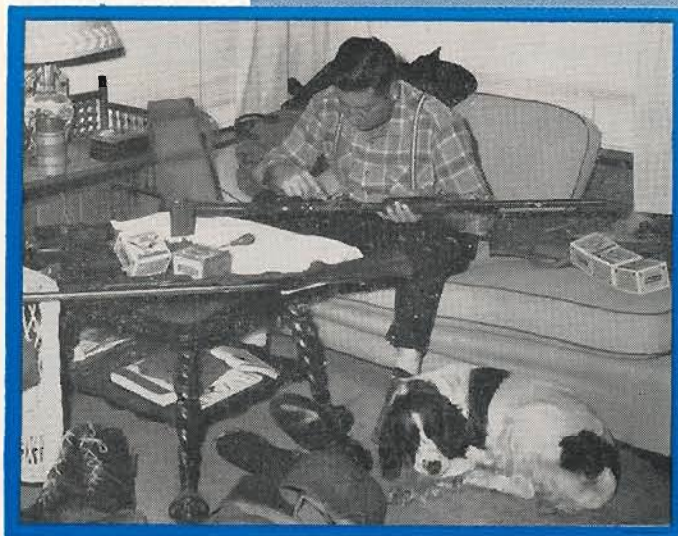
I wrote everyone I could think of, sent out about a dozen pictures, with no luck at all. Everyone wrote back that they didn't know what the heck it was, but it "kinda looked like the old German Bar Pistol." Since I already knew what everyone else knew, that didn't help much.

I finally gave up. And since the gun was very nice looking and in a mahogany case, I set it in the den with my other cased sets and just forgot about it.

About two years later, (Continued on page 40)

DUCK GUNS and how to LOAD THEM

By JOHN O. CARTIER



GUNS AND LOADS HAVE CHANGED GREATLY OVER THE YEARS, BUT OLD BELIEFS PERSIST

SUCCESSFUL duck gunning is a vital combination of many specialized factors. We are continually subjected to ballyhoos about better decoys, best blinds, new design in duck boats, new calls, proper clothes, boats, and gadgets. All are improving as each season rolls by.

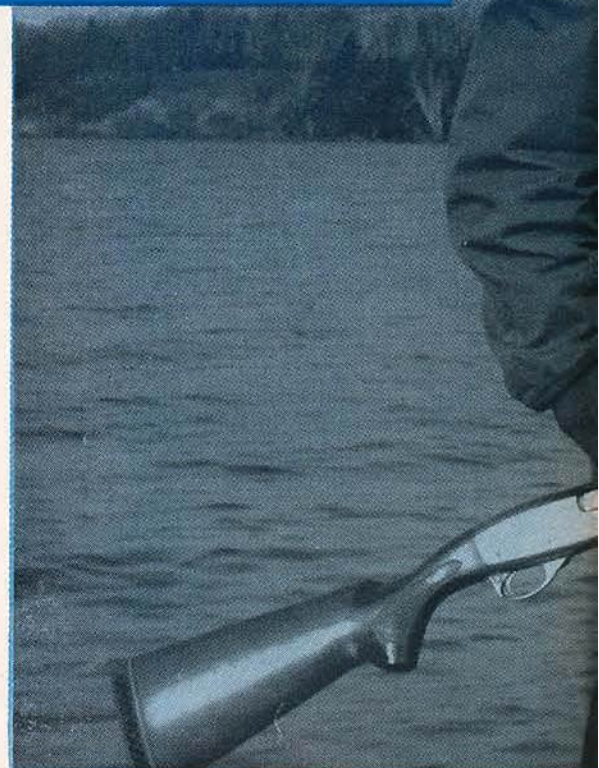
Working knowledge of such things is indispensable in coping with today's much-hunted waterfowl. But the items that actually put the duck in the oven—guns and loads—seem somehow to remain relatively unchanged. Many published opinions still promote the standard waterfowl gun as a long-barreled, full-choke 12-gauge, weighing up to eight pounds. Whenever ammunition talk pops up, it's always heavy shot backed with maximum powder. Is it possible that some of us are missing limit bags by adhering strictly to the letter of these time-worn principles? Let's analyze this a bit.

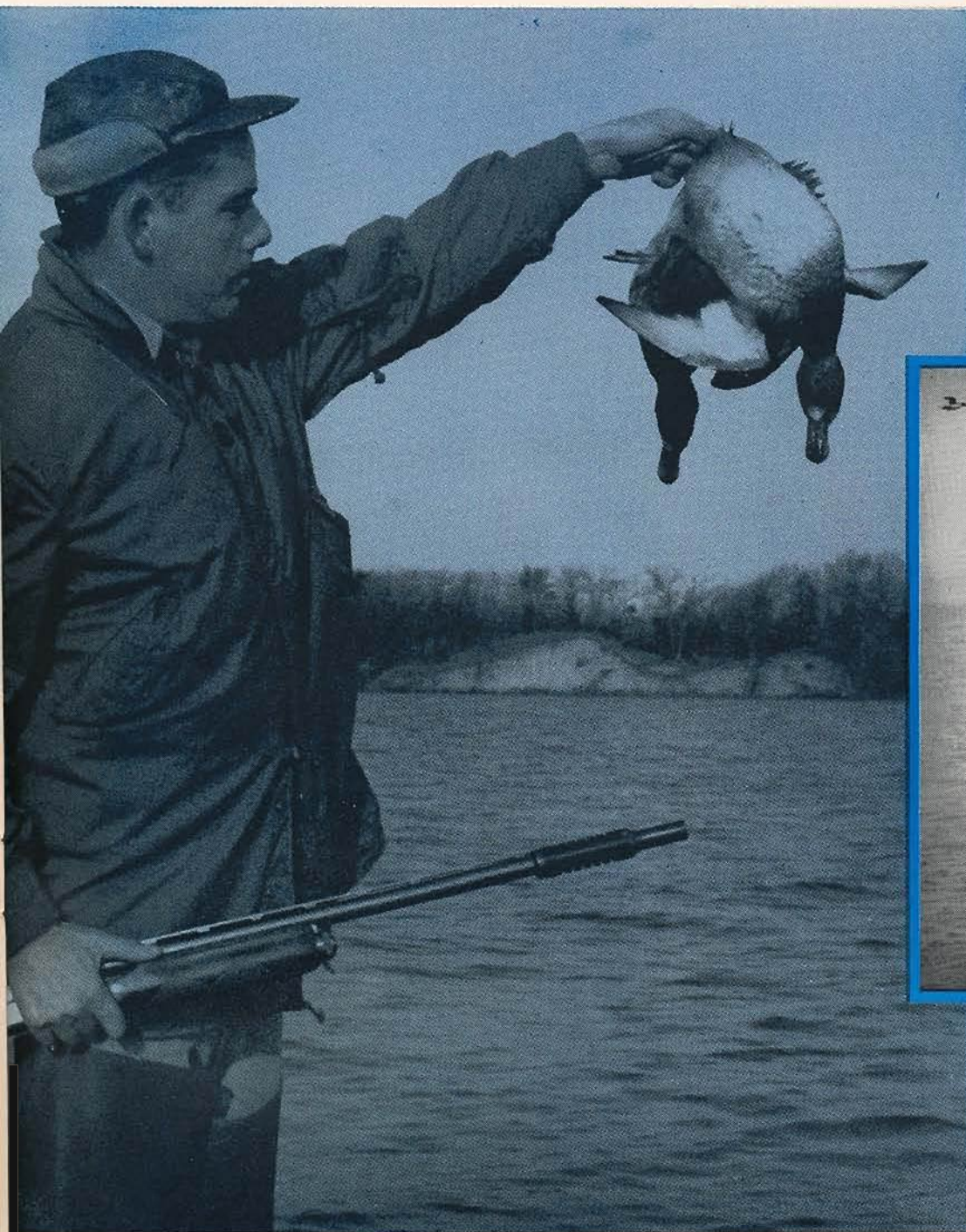
Say we are gunning divers over an open water rig. Incoming ducks are boring straight at us, dipping for the decoys, then flaring across, broadside, as guns come up. If decoys are properly spread, most shots will be somewhere under 40 yards. The man shouldering a super full choke and touching off magnum 4s has to aim mighty close to connect with a pattern that's just beginning to open up. But the guy shooting a modified bore with maximum 7½s is knocking them dead with a just-right pattern of properly dispersed density.

Mallard shooting over decoys in river bottoms or other thick cover presents another close range situation. You're huddled in a brush blind, or pressing against a pin-oak tree, and mallards are dropping in all around you. How fast are you going to swing that 12 magnum at targets crossing behind or roaring up through tree branches? Could you get to them quicker with a fast-pointing 20?

A lot of today's hunters have found that they can. They have also discovered that a magnum charge of 6s from that 20 is just about as deadly as the regular maximum 6s from the standard 12.

To carry this further, there's even a place for number 8 shot in the duck gunning picture—cripple shooting! Estimates at cripple losses run over one-third of ducks dropped. Those resulting over open water usually offer excellent chances of a killing coup-de-grace. Many hunters have laid a string of shot dead center over a swimming limpy, only to have the duck dive untouched. The target presented is merely the head and neck of the duck and the top of his back. A wing-tipped bird will often show only his bill and the top of his head for the split-second it takes him to gulp





Pre-hunt gun care pays off in better hunting and more game. Correct load and the adjustable choke device helped to bag these high fliers.



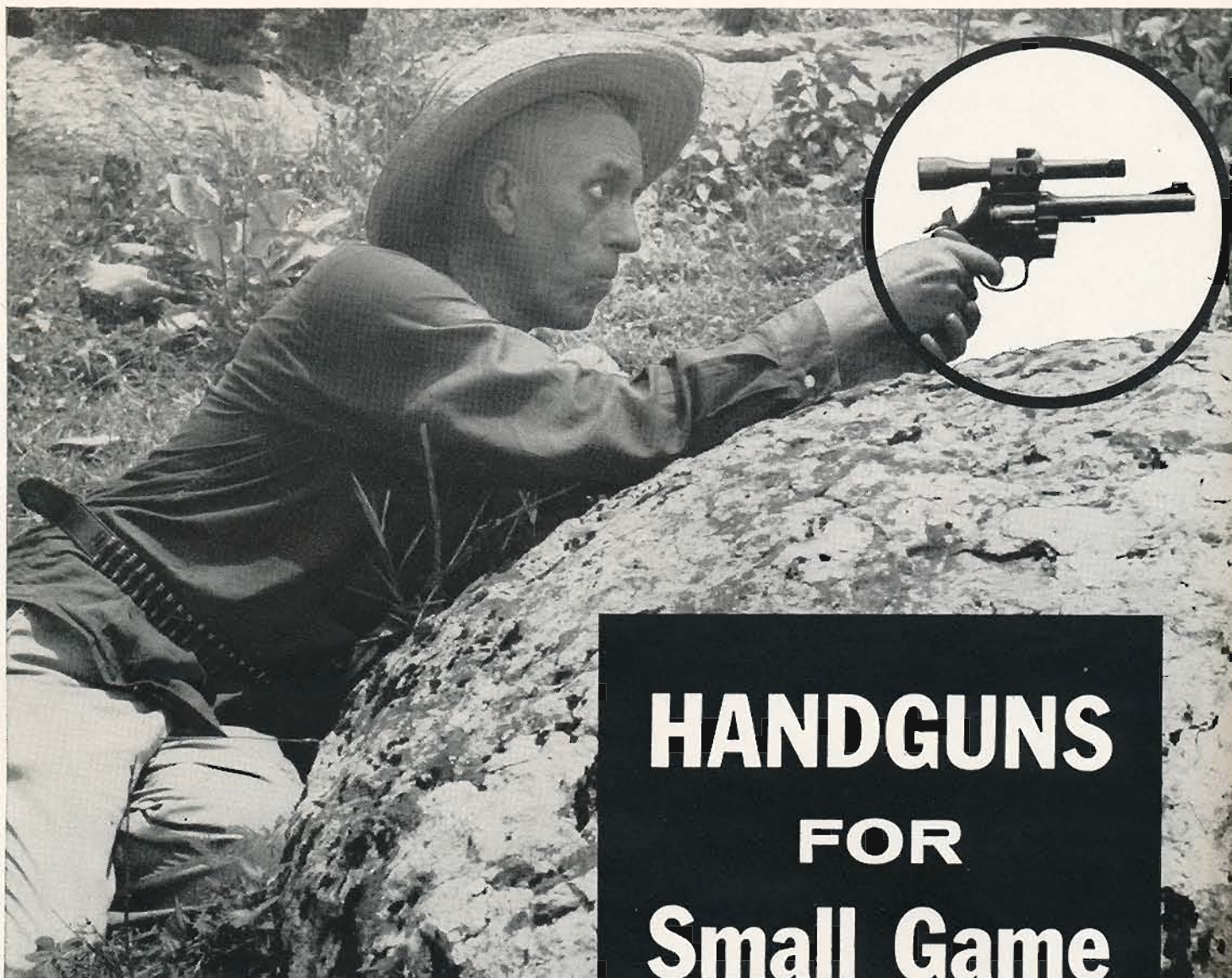
Late season ducks carry armor plate layer of down. Author's magnum 4's put this pair of mallards down for good.

enough air for another submersion. A number 4 shot pattern averages 70 per cent full of holes bigger than a duck's head. But blast a load of 8s or 7½s out there and you're likely to throw a pattern so dense a good-sized fly couldn't get through. Size 8 shot numbers approximately 410 pellets to the ounce, 4s only 135. Figure it this way, and you'll put ducks in the game bag that would be lost even after going through half a pocket of 4s.

Although we have listed examples to the contrary here, this is by no means intended to belittle exclusively the big gun with heavy loads. Nothing could be farther from the truth. The all-around duck gun is as much of a myth as the all-around decoy, duck boat, dog, or anything else. But it seems quite possible that *(Continued on page 41)*



Early morning pass-shooting calls for full-choked barrels. With magnum loads, a 12 gauge is a natural.



Vinson gets set to nail a Tennessee woodchuck with a scoped Colt .22 WRFM. Bushnell Phantom scope has 1.3 magnification, permits shots at longer ranges.

HANDGUNS FOR Small Game

By CARLOS VINSON

**THEY WON'T REPLACE THE RIFLE FOR EFFICIENCY, BUT IF
YOU'RE LOOKING FOR A SPORTING PROPOSITION, TRY HANDGUN HUNTING**

DURING the past few years, I have read a great deal about shooting everything from brown bears to big-horn sheep to pocket gophers with handguns. I have, as a matter of fact, tried some of it myself. Keen sport, something different, and an exciting variation from the usual methods, is the way I sum up the handgunning angle of the fine sport of hunting.

However, before you start classing me as a modern Wild Bill Hickok, let's discuss a few other things connected with the sport of handgunning game and varmints. The

change-over from shoulder guns cannot be made successfully by pushing a button. After a few years of experimenting with handguns on game and varmints, I wish to go on record as classing it as a sideline method for the average gun and hunting fan. And, may I repeat, an extremely interesting sideline, one well worth all the extra efforts involved.

More and more states are relaxing their handgun laws so as to permit the use of these fine arms on game and varmints. Especially is this true in the case of target type

handguns. The .22 caliber target handguns are legal for use on small game and varmints in more areas than any of the other calibers. For this reason, we will stick pretty closely to them in this piece, which of course means that that our handgun hunting discussion will be limited mainly to small game and varmints.

Obviously, a scoped handgun is much superior to one without a scope for small game and varmints. For the average sportsman, trying to hunt small game and varmints with an unscoped handgun is like trying to play shortstop without a baseball glove. A few kills, maybe yes; but without the scope, the kills will be so few and far between that the efforts will soon grow uninteresting.

Until recently, there were very few, if any, really dependable handgun scopes on the market. There were even fewer handgun scope mounts. Now, Bushnell has on the market a really dependable handgun scope (also mounts); the Buehler people have come out with really good mounts; and other scope and mount makers are following suit. Additional standard-brand handgun scopes and mounts may be on the market by the time this sees print.

The Weaver scope people have been experimenting with handgun scopes for quite sometime. Three or four years back, they released a few dozen experimental J:1 handgun scopes. I had them attach one to a .22 Colt Buntline target handgun. My shooting score with the Buntline was improved tremendously even with the J:1 experimental job, even though the scope's eye relief did leave quite a lot to be desired. At least it was a big step forward. Converted Weaver .22 rifle scope mounts were used at the time to mount the J:1 on the Buntline.

Various scopes were used on handguns before the Weaver J:1 experimental job came along, some mildly successful and others not so good; but the biggest step forward in handgun scope development this scribe has seen so far is the Bushnell 1.3X Phantom. Unlike the Weaver J:1 experimental, this new Bushnell scope gives full field of view from 6 inch rest to 21 inch arms-length. The Bushnell Phantom scope has it's own mounts, available for practically any handgun that would normally be used with a scope.

Not long ago, I mounted a *(Continued on Page 49)*



Bagging squirrels with the scoped handgun is a waiting game, but author's patience paid off with a fox and two gray ones. He used HP ammo.



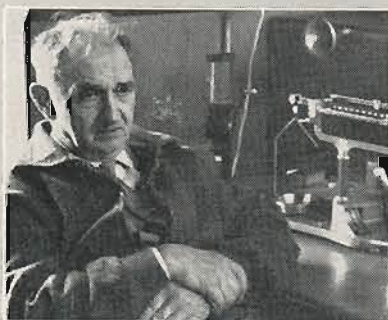
Vinson, left, with morning's bag of fat chucks. Hunting partner Freeman Brown got his shots by outwitting the critters at den entrances.



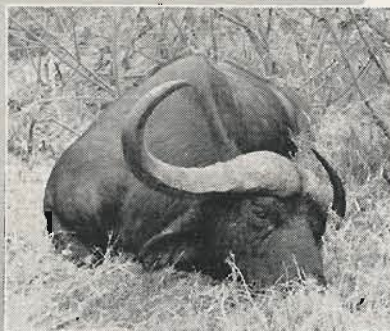
An Interview with

JOHN BUHMILLER

By R. A. STEINDLER



Sitting in my gun room, John recounted some of his African hunts. This was his first buff and also his toughest animal.



AT 70, BUHMILLER IS BACK FOR BUFFALO AS OFFICIAL GAME CONTROL HUNTER

IF THE NAME Buhmiller does not ring a bell, re-read Col. Askins' article about this fabulous barrel-maker turned big-game-hunter in the September 1962 issue of GUNS. I had been carrying on a lively, though sporadic, correspondence with John for several years, and when he announced that he would be coming east from his home in Montana, I persuaded him to pay me a visit.

Now 70, John stands about 5 feet

7 inches, is sparsely built, and constantly battles a thinning shock of gray and unruly hair. In speech, especially when talking about his African experiences, he is slow, almost hesitant, and a charging buff at 15 feet is a "pesky animal." All in all, he is not the epitome of the Hollywood white hunter; but as a ballistics experimenter doing his field testing on dangerous game, John is without peer. As Col. Askins told us in the article mentioned,

John Buhmiller, shooting for the Tanganyika Game Control, killed 164 elephants in areas where the big beasts were destroying crops and endangering villages.

Although he had his share of close shaves—he hunts with one or two natives and has no white hunter to back him up—listening to him talk about his hunts, you could almost believe that he is telling about shooting woodchucks. Take the case of the charging buffalo.

A herd of these "pesky" animals had virtually destroyed the crops of two native villages and several farms. The game department gave the nod to control hunting, and John went into the bush with two farmers whose crops had been destroyed. The three men were armed with double rifles. They spotted a bull, which started a charge as soon as he saw them. John fired one barrel right into the neck; the others emptied their guns into the buff at about 15 feet. Though hard hit, the bull carried his charge right at John.

In trying to get out of the way of the animal, John turned, stumbled over some brush, twisted around, and fired his last shot. He went flying one way, his gun the other, and when John sat up to look for the bull, the bull's head and massive horns were resting across John's knees. The last shot fired at a few feet, had downed the animal. As John tells it, he was not hurt, just a bit battered and bruised. He used the next day to recuperate in camp. Most men would have taken up checkers after that episode!

John Buhmiller was born in Indiana. From 1913 until 1943, when he retired, he worked for the railroad; but during most of his life, John has been a gun nut. While working for the railroad, he began to experiment with various wildcat calibers. With a friend, he bought several commercial barrels. Between shooting them out, reaming them out, and giving a few to other shooters, the original batch of barrels was soon gone and another order was placed. But this batch was a sorry lot, with bores off-center and barrels not straight, and John decided that he could do a better job than the factories.

Buying used machinery and jerry-rigging what he could not buy, he started to make barrels in a spare bedroom of his Montana home. Pretty soon the word about Buhmiller barrels spread (Continued on page 47)



This is a Jacketed .30 cal. bullet, designed exclusively for ultra-high velocity, flat trajectory and maximum impact at extreme ranges. For biggest game and other exceptional shooting justifying high cost, barrel wear and shooting punishment.



(#311359)
110 grs./9 grs. Unique
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165 grs./20 grs. #2400
Vel. 1,850 fps
100-yard Target



(#311284)
210 grs./34 grs. Hi-Vel
Vel. 2,250 fps
Moose — Deer — Bear



(#31141)
170 grs./27 grs. #4198
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Small — Medium Game



(#311334)
180 grs./33 grs. #3031
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These are a few typical .30 caliber lead bullets cast with Lyman moulds. (Or, you can design your own.) With corresponding custom-tailored loads, they offer a range of powder-bullet combinations exactly right for 95 per cent of your shooting — plinking, every type of game and precise target-shooting at all ranges. With the engineered Lyman-loading system, you can shoot all day, every day without discomfort — and for peanuts. (Actually ten times as much shooting for your money.) Barrel wear: negligible, even after thousands of rounds and years of shooting.

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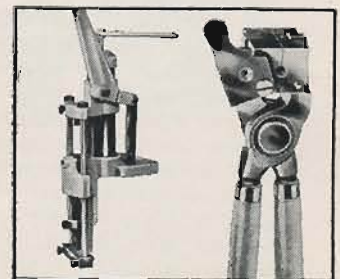
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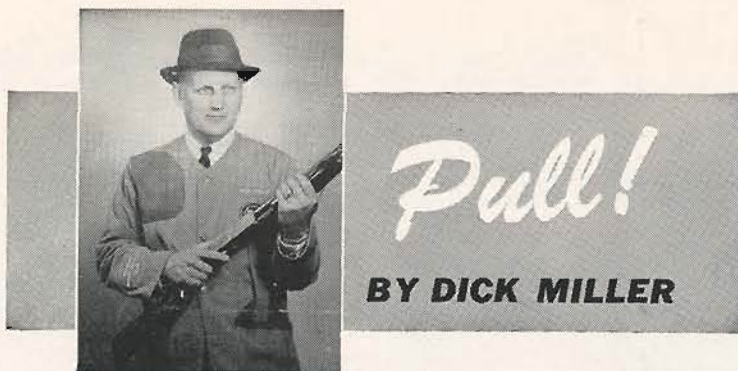
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PARENTS, IF YOU WANT to make pals of your sons and/or daughters, and stay close to them, make trap or skeet shooters of them. Not only will you be able to enjoy the companionship of your youngsters by shooting with them—you will teach them some very valuable lessons in the bargain.

You, and every other parent, know of families in which it seems that a veritable Berlin wall has been erected between parents and youngsters. In those cases, it seems that there is little or no communication between generations. The parents pursue their separate lives, and the kids go their own way, meeting only to eat and sleep, and not always then.

By suggesting the clay target sports as a means of maintaining communication and companionship with your sons and daughters, I'm not criticizing the other sports—baseball, golf, tennis, football, basketball, track, wrestling, bowling, fishing, drag racing, and others—except that, in many of these sports, you can play only the passive spectator role. You can share in your youngsters reflected glory, and in his or her disappointments, but you can't very well share them as well as if you too can be part of the game. Many of the sports named offer great values for the youngsters, and can be included in a recreation program along with clay target shooting. They are fine for recreation and relaxation for both parents and youngsters, but they do not offer the competitive possibilities that are a part of the make-up of almost every boy or girl.

Some of the sports enumerated just do not lend themselves to participation during the hours that you, as a busy parent engaged in raising a family and earning a living, can spare. Almost all trap and skeet activities take place at night, on Saturdays, and Sundays. These hours permit a youngster to follow one or more other sports, and still be at your side nights and week-ends. Many of the organized or team sports are limited to certain age groups. If your children are too young, or too old, these sports can't bring you closer, or mean anything in the way of companionship for you.

Some of these same sports are for high-school years only, while on school teams. A relatively small number can go on to college participation. In none of these can you take an active part. But there are no fixed age limits for trap and skeet. Youngsters under fourteen compete as sub-juniors, and the annals of both games are filled with records of sparkling performances by kids of 10, 11, and 12 years of age—and of oldsters in their 80s.

Not all of the fun of clay target shooting is limited to the field or club. Some of the most enjoyable days are filled with post-mortems on the way home, and all during the week. Families who have interests about which they can talk together—stay together.

If you start your boy or girl on a career of trap or skeet, you have given them a sport, a form of relaxation, and a hobby that can last a lifetime. Men and women who have shot for 50 years are not really rare, and shooters in their sixties, seventies, and eighties are almost commonplace. When your sub-teen youngster begins to shoot skeet or trap, you might well expect to enjoy this sport with him or her after they have grown to parenthood and adulthood. You may reasonably expect to share the fun with grandchildren.

You may inquire about the costs. With the great popularity of handloading, your costs will be no more than for most other sports, and less than others.

All of the foregoing touches on what making clay target fans of your offspring does for you. As a parent, you are naturally interested also in what the sports do for them.

Shooting teaches hand and eye coordination, sportsmanship, self-reliance, confidence, and responsibility. The discipline that is absolutely necessary for shooting is a valuable lesson for living to the youngster. All of the youngsters I've observed on the firing line have as much or more poise than I've seen in other boys and girls of the same age.

Not all their shooting days will be good ones. Your small fry will learn to take the good with the bad, and to keep trying. They will learn that they can't blow up in the middle of a shoot, and expect to win, or even hold the confidence of their elders.

We are constantly told that boys and girls want to achieve identities and personalities of their own, or more simply just to achieve on their own. Shooting offers them that chance.

I've had the privilege of talking with, observing, and writing about a number of shooting youngsters and shooting families. Their one common denominator was an obviously strong bond and affection between parents and children.

As parents, you want to know your children, be close to them, enjoy them, have them enjoy you, understand them, and see them achieve. I believe that every parent has these goals. Shooting will do that for you and for them.

Just imagine a day at a gun club a year from now. You have taught or caused to be

taught trap or skeet shooting to your child. The youngster walks out to the firing line, shoots a very creditable score, and receives a sub-junior trophy. You can see and feel the pride in your offspring's eyes and bearing. On the way home, you relive the happy day. Your pride and joy is not off somewhere unknown to you, with companions unknown to you. The apple of your eye is right there with you, close to you, and part of you, as well as you part of him or her.

Does this picture sound good to you?

Before you make a decision, weigh the points that might keep you from enjoying this picture. It will cost a little time, and money. You may have to give up some things you want for yourself. It may be slightly nerve-racking while your small fry learn to shoot.

On the other side of the ledger, you will know where your youngsters are, whom they are with, what they are doing. You are sharing in their lives. You are giving them excellent values for building a better life.

You can communicate with them. There is none of that almost complete lack of communication that you have seen in other families. You have given them a hobby that can provide recreation and relaxation for life. In short, you share more, and a better life with them.

Will you want to take your pride and joy to the gun club this Saturday, or Sunday?

* * *

"Pull's" Philadelphia news bureau sends word of a trapshooting activity that ought to be of interest to clubs all over the Continent. The Penn-Del Twilight Target League has been drawing crowds of 100 to 125 for mid-week shoots. These mid-week shoots keep gunners sharp for week-end tournaments, and insure continued good attendance and high interest in the trap sport. The twilight league offers 50-target programs, with the ten best scores from each club represented making up a team for that club. Competition between clubs and teams is hot, and every shooter has a chance to make his club team.

Penn-Del League officers are L. DiProspero, president; Dr. S. H. Rizotte, Elwood Dickens, and Isadore Keil, vice-presidents; and Frank Bugliani, secretary-treasurer. Pull, salutes this fine group for their efforts and promotion of the great shooting game.

* * *

Also on the Quaker City scene, John Otter of the Huntingdon Valley Gun Club had to pull all the stops to get his name on the Samuel Davenport Trophy at the Holmesburg Quaker City Gun Club. Otter tied J. H. Donohay of Cranbury, New Jersey, in the regulation distance, and had to get stronger through three extra 25-target stanzas to get his name on the trophy. His extra-frame scores were 22, 23, and 24. When the two shooters were still tied, after 75 extra targets, club president Dr. Lewis R. Wolf settled matters with a flip of the coin.

The great Mrs. Rhoda Wolf topped the feminine contingent with 93 from 21 yards.

C. H. Ziegler of Vernfield, Pa., and Joe Messina from Mispah, New Jersey, kept the tenor of the day by deadlocking in the 16-yard event with 99 each. Naturally, second place was also a tie, between Bill Worthington and Joe McKim.



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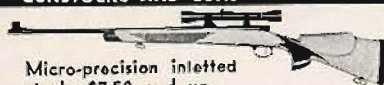


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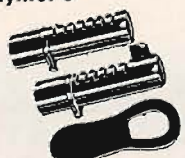
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PISTOL SHOOTERS

who demand the best equipment count on Beckelhymer's Custom-made accessories to help perk up their scores. These miniature sketches illustrate but a few of the products we offer to improve the lot of shooters—and to make shooting a more enjoyable sport for all.

Limited space in this ad precludes even a brief description of the items shown. Write us about your requirements and we'll gladly send you detailed information and prices.



SPECIAL

Once-fired .38 Special cases: in factory boxes, \$14.00 per M; bulk \$12.50 per M, f.o.b. Laredo. Empty .38 Spl. boxes, 3 for 25¢. Orders of \$50.00 or more shipped prepaid.



Beckelhymer's
SAN BERNARDO AT HIDALGO
LAREDO, TEXAS

GUN RACK

(Continued from page 18)

changed after each single shot, and aligning the screens or tapes so that the bullet will break both of them can sometimes be a more than tedious job. We have even tried Scripto pencil lead which, because of the ease of setting it up, does make mass chronographing somewhat simpler. The latest device is the Herter idea of using woven aluminum screens, very similar to regular window screen, that has been plastic covered and comes in six inch squares. Using the special screen holder and alligator clips that are securely fastened to the cable from the machine, the shooter merely lines up his sights progressively from the left to the right, and after each shot and reading of the elapsed time, one alligator clip on the start and one on the stop screen are moved over an inch or two, thus re-establishing new contact. With this system, we were able to chronograph 10 rounds of .22 LR ammo in less than ten minutes and with considerably less strain than when we used standard aluminum tapes for a comparison.

Here are the results of some of our very extensive tests. All in all, we chronographed seven high power rifle loads, first on the Herter machine, and then as control on another counter chronograph. Taking into consideration the variations in the machines themselves as well as changing temperature and humidity conditions, the Herter unit came so close to the actual and twice verified fps readings as to make comparisons a waste of time. Using CCI .22 LR ammunition, lot #362130, the factory ballistics—and without knowing what gun was used nor the exact range conditions—is 1253 fps. Ten rounds chronographed with the Herter screens, and ten rounds chronographed with the conventional tape, gave 20 readings that averaged at 1214 fps for this ammo. Our test gun was a Model 511 Remington, and temperature on the indoor range was 69 degrees. The first screen was located 36 inches from the muzzle, and the stop screen was an exact 10 feet from the first screen. A difference of 39 fps is insignificant, and even the extreme variation of 48 fps is negligible, especially since the control condition used in the CCI lab are not known.

Indoor tests were repeated, using Speer Target 38's with CCI #350 Magnum primers. The gun was a BSA Martini with the standard military sight and rechambered to .357 Magnum. Two five shot groups were fired, the first one at a range temperature of 76 degrees, the other one when the thermometer recorded 93 degrees. The first test produced an average fps of 602, with an extreme variation of 59 fps. The second group averaged 612 fps with an extreme variation of 65 fps. This testing was done with aluminum tape, and again the set-up was 36 inches and 10 ft.

All in all, over 500 rounds were checked on the Herter Mark VII Chronograph, and the operation of the unit was most satisfactory. The Mark VII, retails for slightly under \$100, and comes to you complete and ready for operation. For details and a folder describing the Mark VII, write to Herter's Inc., Dept. G, Waseca, Minn.

(Continued on page 67)



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Your club insignia or club colors can now be handsomely designed into a smartly styled embroidered emblem at substantial savings by ordering direct from the manufacturer!

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ORPHAN FINDS HOME

(Continued from page 31)

I received a letter from a gentleman inquiring about one of the other guns in my collection. Lo and behold, his letter was written on the stationery of the company of my "who dunnit" gun!

I promptly answered his question and with several letters, got on a first-name basis with him. It turned out that he was president of the concern. The reason that I had not been able to locate them through the address on the gun was that their factory had burned to the ground several years ago, and all casting, moulds, records, etc. had been destroyed.

We got together on a fair price for the gun, and I let them have it for a pattern. I had seen one other in all of my life, so I wrote the party, in Coral Gables, Florida, who owned it, and obtained it for the company also.

If you look closely, you'll notice that the three barrels are made into one, like a clip. They have sights on both sides so either side can be inserted in the dark and it will still function, firing three shots as fast as the trigger is pulled.

The gun comes in a fitted case with space for six shells. It is 5½" overall, and weighs 21 ounces. It shoots a 2½" shell that is .60 caliber or about 28 gauge. It is nicely finished in polished nickel, has a 12 pound trigger pull, and a standard .45 caliber automatic grip. The "clip" is 3" long, holds three shells, and fires gas at a velocity of 400 feet per second. The simple interchangeable clip is released by thumb pressure. A rocking

hammer fires three shells in succession without the necessity of cocking. When a shell is fired there is no blow-back, as the breech is locked until the gas has left the barrel.

The range is about twenty feet and with the three shells, can be made to cover a wide area. It would be wonderfully effective in crowded places where a revolver would be apt to injure innocent people. The gas immediately causes momentary blindness, irritation to the throat, an unbearable burning sensation to the skin, and pain in the mucous membrane of the nose, thereby rendering the victim completely helpless for from three to thirty minutes.

I understand that the gun was invented in 1917 by Capt. Joseph W. Van Karner, an ex-army ordnance officer. He founded the Van Karner Ordnance Corporation, and this was their first weapon. Capt. Van Karner also invented the first floating smoke signal for life boats. It gives off an orange smoke for five minutes, and also spins in the water to be more easily seen. He was also the inventor of the Van-Karner Verrey-pistol with its special handle-grip trigger, a rocket propelled line gun, and the Vank rocket flare, which I think is the most powerful signal in the world for its size.

Capt. Van Karner died in 1952. The factory was destroyed by fire in 1954, and in 1955, the warehouse was destroyed by flood. They are rebuilding, but I seriously doubt that many collectors will be lucky enough to stumble up on one of their original guns at I did.



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We are now able to make very good deliveries on muzzle loading barrel blanks. These blanks are made in 32, 38, 40, 45 and 50 caliber. They are all CUT RIFLED with a twist of one turn in 48" and grooves .010" to .012" deep. Lands and grooves are of approximately equal width. The material used is specially processed for our purpose, cold drawn to octagon shape with an especially fine finish that will require little or no polishing. These are available in 1½", 1¾", 1½", 1" and ¾" at \$27.50 each. We also supply 1½" barrels at \$32.50 each. These blanks are threaded for breech plugs and the DOUGLAS name and caliber is branded on the top flat. Finished length is 42". You may order these barrels with a twist of one turn in 57", 68", or 75" at an additional charge of \$5.00 each. These prices are subject to our regular gunsmith's discount. Write for complete information or order from this ad.

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5504 BIG TYLER ROAD CHARLESTON 2, W. VA.

DUCK GUNS AND LOADS

(Continued from page 33)

the big gun with its choked-to-the-limit barrel and maximum loads of heavy shot has crippled more unrecovered ducks and contributed to more clean misses than any other single factor in duck shooting.

The big gun concept originated in the days of less effective powder loads, at a time when much of waterfowling consisted of pass-shooting. Here it was, and still is, the most efficient piece of hardware the duck gunner can shoot. Pass-shooting ranges are usually long, requiring the additional killing range of tight chokes and magnum loads. Weight of the gun is negligible in view of the fact that there is plenty of time to swing with targets. The heavy gun in experienced hands produces a smoothness of swing highly beneficial in catching up with and swinging past a fast, high-flying webfoot.

The heavy gun will also absorb much more recoil than a lighter weapon, a thought to consider with consistent overhead shooting. But good pass shooting is becoming a minor factor in today's duck gunning. Best opportunities occur early in the morning and late in the evening, when ducks swing over feeding areas or roosts. Modern regulations eliminate most of the evening shoot, since today's pass-shooting is limited to an hour or less after daybreak, and the few opportunities that arise from discovering high points of ground when flocks drift over while working to and from feeding grounds. Another discouraging factor is the intelligence with which ducks learn man's gunning procedures.

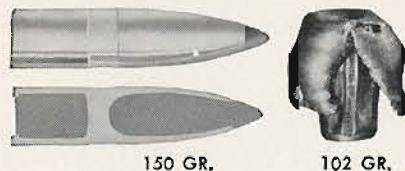
The single, most important fact, which many beginners refuse to accept as truth, is that magnum loads are no more powerful from a velocity-of-shot standpoint than the regular maximum load. The idea of the magnum charge is simply more shot in a given area at extreme ranges. In order to push the additional shot, the powder blast has to be increased.

Average initial shot velocity of a 12 maximum load of 6s some three feet from the end of the barrel is approximately 1331 feet-per-second, while the 3-inch magnum is 1315. The striking force per pellet from each load is roughly the same. What dumps the ducks way out there is the number of pellets that smack him. The standard load is well opened up, perhaps only a pellet or two hitting the bird. The increased density of the magnum pattern may bust the duck with half a dozen hits. The magnum kills at extreme range only because you hit the duck with more shot.

The gun and ammunition people have long since discovered that maximum shot velocities produced by modern powders are fully reached in a minimum barrel length of 24 inches. They also know that choke constriction does its full job within inches of the business end of the muzzle, which indicates that a 24-inch, full-choked tube will throw the same pattern at a given distance as a 32-inch.

To the practical gunner, these are impor-

HANDLOADERS* KNOW THE
NOSLER
PARTITION BULLET
is the answer for the
Modern High Velocity Rifle



SHOCK. Soft point practically disintegrates creating tremendous shock.

EXPANSION. Positive, Rapid...forward jacket insures uniform peeling even at extreme ranges.

PENETRATION. Maximum...the partition holds an astonishing two thirds of the total bullet weight intact.

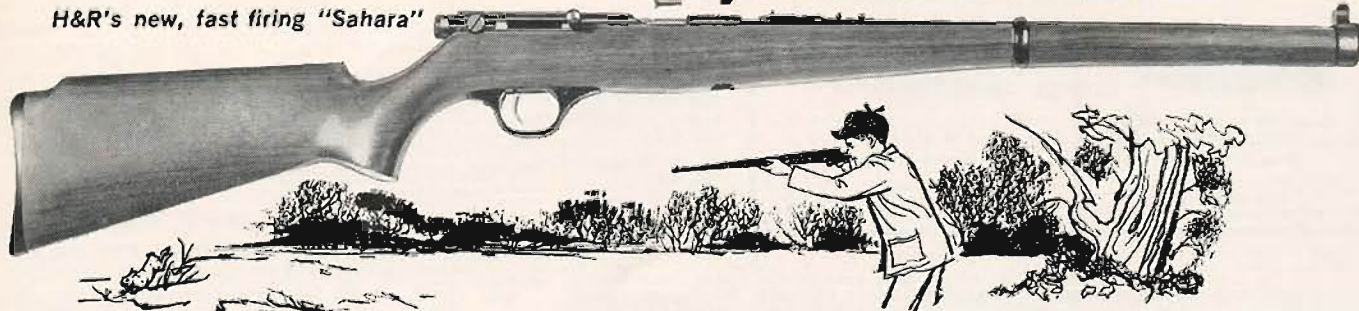
ACCURACY. No bullet today is made with closer tolerances; tests prove it unexcelled. 243, 25, 264, 270, 280 Rem. 7 MM, 30, 338, 375 Calibers available.

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PARTITION BULLET CO.
P.O. Box No. 671 • Bend, Ore.

Sahara . . . New Mannlicher Single Shot .22 automatically ejects and re-cocks

H&R's new, fast firing "Sahara"



Here's the fastest firing, single shot .22 made! Now those second and third shots will really count. And you can win marksmanship honors, too — thanks to the Sahara's famous "Bullseye" broach rifling, military front sight and adjustable rear sights. Designed for sportsmen who appreciate fine rifles by a maker of the famous military M-14's. Retail list price only \$21.95.

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322 PARK AVE., WORCESTER, MASS.

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THIS IS A SPEER DOUBLE SWAGED HOT CORE BULLET



**IT WAS MADE FOR
KILLING BIG GAME!
IT IS ACCURATE, IT IS DEADLY
... IT IS THE FINEST BULLET
YOUR MONEY CAN BUY!**

Speer hunting bullet jackets and cores stay together to give you greater killing power with minimum meat loss. This unretouched photograph shows you how jacket and core *really* stay together . . . notice how core is still fused to jacket even after perfect mushrooming. The secret is in exclusive Speer development "Double-swaged hot cores." *26 Speer Bullets in different calibers and weights are made by this process to give you *killing power* in a wide selection of weapons.

TRY THESE 3 SPEER RECOMMENDED LOADS FOR 30.06

		
150 grain spitzer 3085-150-6-SP Best Load 55 gr. 4895 MV 3010	165 grain spitzer 3085-165-8-SP Best Load 53 gr. 4320 MV 2919	180 grain spitzer 3085-180-6-SP Best Load 51 gr. 4320 MV 2737
Drop in inches	Drop in inches	Drop in inches
100 yards 0	100 yards 0	100 yards 0
200 yards 3	200 yards 3.4	200 yards 3.8
300 yards 11.4	300 yards 12.7	300 yards 14.5

The expanded bullet above was sent to the Speer Company by Mr. James D. McCabe of Conrath, Wisconsin. It is a .335 grain .375 bullet which killed a buck deer at 100 yards. A front to rear shot, it penetrated over 3 feet of flesh and bone. Its weight, after recovery was 180.6 grains.

*NOTE—Double-swaged hot core hunting bullets are also available in .25 cal. 100-120; 6.5 mm 120-140; .270 cal. 130-150-170; 7mm 130-145-160; .30 cal. 150-165-180; .303 cal. 150-180; 8mm 150-170-225; .338 cal. 200-275; .348 cal. 180-220; .35 cal. 180-220-250; .375 cal. 235-285.

FOR A 5 SHOT SAMPLE SEND 25c to "SAMPLE SERVICE"

**SPEER
INCORPORATED**

P. O. BOX 244, LEWISTON, IDAHO

CANADA: 1310 WEST 6TH AVE., VANCOUVER, B. C.

tant facts. Why burden yourself with the extra weight of a long barrel if it doesn't accomplish anything? Many shooters compromise between the unnecessary weight and the desirable feature of a longer sighting plane, and settle at 28 inches overall. All factors considered, the 28-inch barrel is probably used by more knowing duck shooters than any other length.

Any discussion of duck guns and loads has to be tempered with realization that birds and hunting conditions vary considerably in each section of the country. The same conditions may completely change in any one area during the course of an entire season.

Early season native ducks will be thinner feathered and easier to kill than late season birds from the far north that are heavily feathered and laced with thick down. Modified choke 7½s may be just the ticket early in the season, while the same ranges may require the full-choke, knock-down blast of magnum 4s to up-end hardy late-season migrants. The tight bore and heavy shot, in this case, has nothing to do with extreme range, but merely the necessity of additional push to ram shot home through armor-plate exteriors of big, fully matured birds.

Hunting conditions may vary quickly from close-range jump-shooting in heavy cover, to long-range work over open water. I do most of my duck shooting in Michigan, where several situations are frequently enjoyed during one single day. Such variables quickly indicate the advantages of several different powder and shot combinations. Even more so, they spotlight the invaluable aid of an adjustable choke device.

In no other type of shotgunning does selectivity of instant choke setting play such an important part. Frequently, it may be desirable to change choke and shot combinations many times during one day's shoot from the same blind. If the birds are decoying well, a modified setting with standard 7½s will show best results. Perhaps later the flocks begin flaring wide or passing by with no intentions of working to the blocks. Now it's time for the longer range effectiveness of full choke and heavy shot.

In between times, there is always some cripple chasing to do. Since a duck's head is quite vulnerable, light loads or 7½s or 8s offer the wide shot pattern and tight density most suitable for this snap-shooting job. Maybe you're just back in the blind when a flock of geese drift up the lake. It's only a few second's work to tighten up the choke and feed in magnum loads of 2s. The possibilities are unlimited.

Today's duck hunter is blessed with the ability to choose exactly the gun and load arrangement which will best suit his particular needs. Gun and ammunition manufacturers have given us opportunities the old-time waterfowler never knew existed. Some years ago the idea that the little 20-gauge would one day be considered a top duck gun was unheard of. Anything less than a 30-inch, full choke barrel was laughed at. Sixes were the standard load, and if you loosed off with anything else you were looked at with scorn. Such thoughts are fast going the way of the old round-bottomed decoy.

Modern guns and loads enable us to put definite advantages on our side, advantages more easily attained than any other contributing factor in the vast technicalities of modern waterfowling.



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BRAND NEW, FIRST QUALITY



NEW \$189.50 MATADOR DOUBLE SHOTGUN!

10 GAUGE MAGNUM! SAVE OVER \$60.00!

Perfect for ducks, geese, fox, etc. Shoots either 2 3/4" or 3 1/2" magnum shells. 32" full choked barrels. Engraved receiver, double safety underlocks, checked French Walnut stock, beaver tail forearm, 10 ga. only has double trigger. Auto ejectors. 49" overall. 9 1/2 lbs. C20-72. Compare to \$189.50 shotguns. Brand new, first quality. Made by Remington or by Winchester. State choice. Box of 25 . . . \$7.25

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\$169.50—NEW MATADOR! 12-16-20-28
OR 410 GAUGE DOUBLE SHOTGUNS!

Check these quality features: Selective automatic ejectors, single selector trigger; Anson & Deely double underlocks; hand engraved receiver; gold inlay; individually mounted firing pins; checked French Walnut stock; Beaver tail forearm; C20-126. Matador for 23 1/4" Std. or Hi-Velocity Shells. Most gauges, barrel lengths and chokes available. State 1st and 2nd choice. C20-127. 20 Ga. Matador for 3" magnum shells. 28" or 30" modified & full chokes. C20-1379. 12 Ga. Matador for 3" magnum shells. 32" full & full chokes. All Matador shotguns brand new, first quality. C20-1117. Matador Vent Rib Doubles! A few available. Hurry! Compare at \$184.50. State choice of gauge and choke . . . \$11778



U. S. MODEL 1917
MILITARY RIFLE
30/06 CALIBER
NRA Very Good or Better

\$2978



DELUXE MARLIN 336C
HIGH POWER CARBINE
WITH RECOIL PAD,
SWIVELS AND SLINGS

\$7178

The U. S. Model 1917 Enfield is the lowest priced rifle in the most desired .30/06 military caliber. Specifications: 6-shot, top loading, 1 in 10" 5-groove 26" barrel with sharp clean rifling. Overall 45.3". Peep rear sight adjustable from 200 to 1600 yards, blade front sight. Footproof safety. Turned down bolt. American walnut stock and handguard with sling swivels. All milled parts. Military Surplus. All in N.R.A. Very Good Condition or Better! C20-33. M1917 Rifle made by Edystone. . . \$34.95 C20-34. Made by Remington or by Winchester. . . \$34.95

SAVE \$23.17 on these Marlin! Absolutely Brand New! Factory packed deluxe 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 and tapped for all popular scope mounts. 20" barrel. 38 1/2" overall. Wt. 7 lbs. Included FIRE: Factory fitted recoil pad, sling swivels, and oiled leather sling with brass fittings. Compare to \$94.95 Carbin. C20-744. Marlin 336C with Large 1" 4 Power Tasco Scope mounted and ready to shoot. plus mounts, recoil pad, carrying strap, swivels. Compare at \$139.70 elsewhere. . . \$94.88 C20-1191. Marlin 336C with 2 1/2 X to 8X new variable Tasco scope mounted and ready to shoot. plus mounts, recoil pad, carrying strap and swivels. Compare at \$152.15 elsewhere. . . \$104.98 Above Carbin available in 30/30 or .35 caliber. State choice.

M1917 .30/06 WITH NEW HI-POWER SCOPES INSTALLED
C20-1297. M1917 Rifle by Remington with Fleetwood 3 1/2" power scope. . . \$44.95 C20-1293. M1917 Rifle by Remington or Winchester, side mounted with the big 1" Tasco 4 or 6 power scope. (State choice). . . \$64.88 C20-669. Leather face-on cheekpiece and sling. . . \$3.95 C20-1000. 30/06 metal jacketed ammunition, 120 rounds. . . \$7.20



U.S. M1 30-CAL. CARBINE
The only U.S. Military small arms made with the lines and weight of a modern sporter. Weighs only 5 1/2 lbs., 18" brl., 36" overall. Gas operated. 15 shot semi-auto. Adjustable receiver sight. Ad-brand New! C20-1859-2 . . . \$7878 C20-11241 Nickel Plated . . . \$119.95 C20-1192 .30 Cal. Military Ammo. 100 rounds . . . \$8.75



U.S. SPRINGFIELD M1903
Cal. 30/06. The most popular military rifle for sporting use. This lot are all Model 1903-A1's with high number nickel stock receivers, milled working parts. Made in Gov't arsenal—not commercially assembled. 5-shot magazine. Adjustable rear leaf sight. Blade front sight. 43 1/4" overall. 8.69 lbs. C20-1380. NRA Very Good. C20-11000 AMMO .30/06 150 gr. 120 rds. . . \$7.20



6.5 ITALIAN CARBINE
Late military issue. Only 40" overall. Weighs 7 lbs. Shows only slight use, test-fired and head spaced, ready for shooting. Turned-down bolt. 6-shot, clip fed, rear sight. Thumb safety. C20-1196 C20-750. Carbine with brand new 4X scope—3 1/4" dia. (illustrated). \$19.95 C20-751. 6.5mm Italian military ammo, 108 rds. (6-shot clip free) \$7.50



9 TRANSISTOR WALKIE-TALKIE
Scopel Thousands Sold At \$88.88 A Pair! Now KLEIN'S cuts the price to only \$67.76 a Pair! Perfect for hunters, fishermen, farmers, campers, police work, surveyors, etc. Ranges up to 4 miles. Famous Mayfair quality. Lightweight—only 2 1/4 lbs. Push-to-talk switch, volume control, telescoping antenna, private telephone, 7 penlight batteries included. Complete with leather case, straps, handle. 2 1/2" x 1 1/2" x 8". Plays up to 1500 hours. No license required. FCC Approved. C20-1196. Low Price, Each. . . \$3778 Save more; 2 for only \$67.78



SPECIAL! TASCO VARIABLE POWER SCOPES—3X to 9X
Brand new! First quality! Made by Tasco! With a twist of the wrist you can have any power you want from 3 to 9 field of view, 14 ft. to 30 ft. Crosshair reticle. Magnesium fluoride hard coated lenses, windage and elevation click stops, parallax corrected nitrogen filled for fog proofing. Large eye piece and objective. 1 1/2" x 3" body. 20mm objective. Lens caps. Overall 12". 14 oz. B27-1579 . . . \$2978



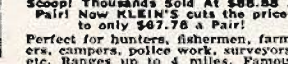
U.S. M-1 GARAND RIFLE
Famous World War II 30/06-caliber automatic rifle. 8 shot, 24" brl., 42" overall. Adjustable sight. Exactly as issued with original click type aperture sight adjustable from 100 to 1200 yds. Weighs 8 1/2 lbs. in NRA Very Good Condition. C20-725 . . . \$7878 C20-11116. In "Like New" condition. Certified perfect. . . \$87.78



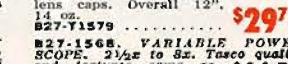
MAUSER M1935 30/06 CAL. B.A.
Not rechambered or converted but originally manufactured for the Peruvian Government in 1935 by the famous Fabrique Nationale factory in Belgium. All numbers match and all components are milled. 25" brl., overall 43.5". 9 lbs., 5-shot mag. Semi-pistol grip stock with sling swivels. NRA Good Condition. C20-1553 . . . \$4478 C20-1554 NRA Very Good Condition. . . \$49.95



KENTUCKY PERCUSSION LONG GUN
Sit back, smoke a "shirrot" while looking at this replica hanging over the fireplace. You can't help but conjure up visions of the hardy pioneer who tamed a wilderness and formed a country. Can be fired. Each gun brand new and test-fired. 11" octagonal barrel, full length stock, heavy barrel. 36" overall. C20-1586 . . . \$2578



MODEL 1851 COLT NAVY REVOLVERS 6 SHOT
Expertly manufactured in Italy to the highest original standards. Cal. 36 ball percussion, 7 1/2" octagonal barrel, 13" overall length, weight 38 oz. Walnut stock. Fixed and open sights. Case hardened frame. C20-225 . . . \$4778 D20-229. Holster. Exact copy of original. Black leather. . . \$9.95



TASCO VARIABLE ZOOM SCOPE
22 Scope zooms from 3X to 7X. Crosshair reticle. Mounts fast and easy on .22 rifles with dovetail grooves. 3 1/2" body. 20mm objective. Fully coated optics. Crisp, clear images at all powers. C20-1577 . . . \$1278



.22 MOSSBERG REPEATER
Military issue. Every gun proof-tested by official English proof house. All in Good condition. 23" barrel. Weighs 4 1/2 lbs. Shoots .22 short, 22 S&L and L.R. 7-shot. Mannlicher type stock, and many features. C20-1551 . . . \$1778 C20-1595. With 4X 15mm scope, ready to shoot (illustrated). . . \$27.78



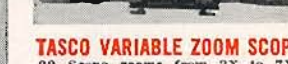
10 GA. 3 1/2" MAG. SHOTGUN
Single barrel shotgun chambered for the 10-gauge 3 1/2" magnum shell. Single shot break-open action has visible hammer. 32" full choke barrel, checked walnut stock and forearm. Fitted recoil pad. Weight 7 lbs. 49" overall. Famous Mercury SB-10 model. Brand new factory packed. C20-1321 . . . \$4778 C20-73. For BB, .22 or .24 shot shells. State choice. Box of 25. \$7.25



SMOOTHBORE "TOWER" FLINTLOCK PISTOL
Travel back to the 1700's before the invention of the percussion cap and here's your man-size handgunt! Beautifully brass mounted—69 caliber—fine polished wood stock. 9" smooth bore barrel, 15 3/4" overall length. Weighs 3 pounds. Wood in high polish cherry. C20-1585 . . . \$2678



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The classic lines of the big Single Action Army Revolver with the same superb balance and feel. Lighter wt., just 30 oz. 6 shots, cal. 22 S. & L. or L.R. 4 3/4" barrel, 10 1/2" overall. Open notch rear sight and blade front sight. Dark blue-black finish. Made in Germany. Ideal for plinking. C20-1557 . . . \$2878



HANDGUN PURCHASER'S GUIDE
Please send signed statement stating that you are 21 or over, not an alien, have not been convicted of a crime, not under indictment, not a fugitive or drug addict. Also send permit if your city or state requires.



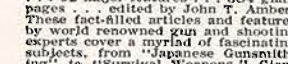
RARE .303 JUNGLE CARBINE
Military model but never issued. Royal Enfield .303 cal. No. 5 developed by bitter fighting in the jungles of Burma and Borneo. 10-shot, bolt action. 18" barrel, 7 1/4" brl. C20-1600 . . . \$2978 C20-1601. Carbine with 4X 15mm scope, mounted ready to shoot. \$39.78 C20-1339. .303 British Military Ammo, per 100 rounds. . . \$7.50



12 GA. BOLT ACTION SHOTGUN
Special! Marlin 3-shot repeating shotgun with adjustable choke! First time ever at this low Klein's price! Positive safety. 1 take-down screw for easy disassembly. One-piece stock. Drilled and tapped for deer slug receiver sight. Heavy duty extractors. Marlin Micro-Choke. Gives 10 settings. Model 55 "Hunt-er". C20-1587 . . . \$3378



HI-STANDARD POWER PACKED DERRINGER
Ounce for ounce and inch for inch, this collector's price is the shootin'est little handgun ever. Shoots .22 rimfire cap to long rifle. Also chambered for .22 magnum. Hammerless. 2-shots, dual extraction. 1 1/2 oz. State caliber. C20-1340 . . . \$2995



38 SPEC. SMITH & WESSON REVOLVER
Military Surplus Purchase! Military and Police Victory model. Dependable, accurate. Limited supply. In NRA Very Good to Excellent Condition. C20-996 C20-997. 38 Spec. (illustrated) expertly converted to 6" barrel. With fixed ramp front sight. . . \$34.88



44 CAL. PERCUSSION GUN 6 SHOT
Centennial model rifle cap and ball guns expertly made to old time specs. 44 cal. ball. 7 1/2" barrel. 13 1/2" overall. Wt. 44 oz. Factory test fired. Quality made in Belgium. C20-1562. Powder Flask. . . \$9.95 C20-1563. Bullet Mold . . . \$9.95 D20-229. Black Leather . . . \$9.95



2-SHOT OVER AND UNDER DERRINGER
Genuine reproductions carefully made under modern methods, test-fired and proof marked for modern cartridges. Full floating firing pins. Rifled barrels. 22 S. & L. or L.R. 2-shot, 3" brl. 4 3/4" overall. 15 oz. Checkered grips. Chrome finish. C20-1558. 38 S&W Spec. . . \$28.78



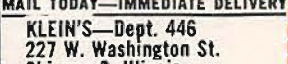
BROWNING .32 AUTO M1922
World famous "Police Model" only 7" overall, 4 1/2" barrel, 25 oz. Magazine holds 9 .32 ACP cartridges. Blued finish. Military Surplus. NRA Very Good. C20-1409 . . . \$2695 C20-1410. NRA Excellent . . . \$29.95 C20-1411. 100 rds. .32 ACP 7 1/2" MG Ammo . . . \$8.00



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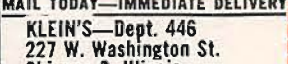
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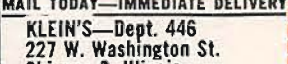
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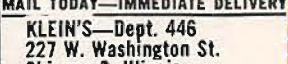
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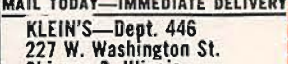
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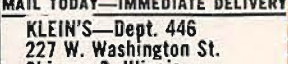
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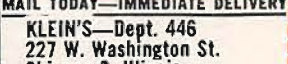
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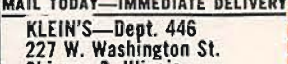
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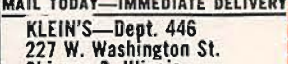
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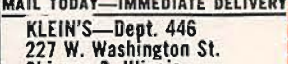
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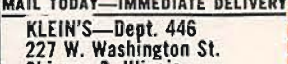
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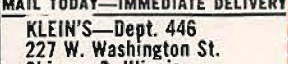
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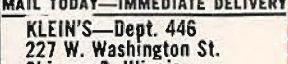
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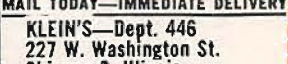
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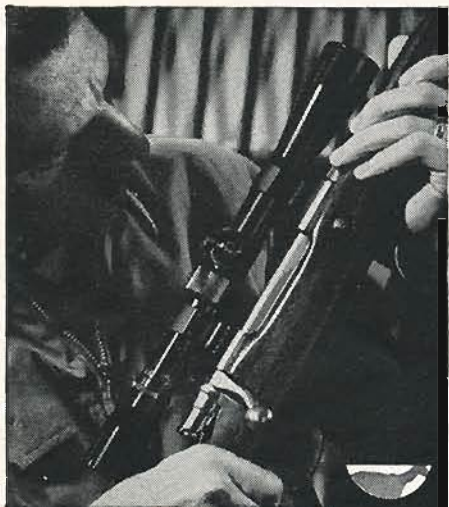
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NO MAGNUMS FOR MULEYS

(Continued from page 27)

trajectory for long-range possibilities, the fine .250-3000 Savage or the more modern .243 makes an excellent choice. If you wish a brush-cutter with lots of smash at close ranges, Ruger's .44 auto-loading carbine is a whinger, and it bears the magic of the Magnum name.

Don't be misled by that magic, though. A magnum revolver cartridge makes a fine light rifle cartridge. A magnum rifle cartridge is as unpleasantly different from this as a full-grown cougar differs from a grown kitchen cat. True, the big magnum rifle may be as effective at 400-500 yards as the .44 Magnum and .30-30 are at 100-200 yards, but it's a lot rougher to handle. Greater weight to carry, two to three times the recoil, and you can't lessen one without increasing the other. Claims that any particular magnum caliber 'makes sure kills at 600 yards' are misleading.

No gun makes kills by itself, and there is a lot more vacant atmosphere than vital area around a deer at any range. Assuming that vital area to be a 12-inch circle, it takes a lot of practiced concentration on the part of any marksman to be sure of hitting it at 500-600 yards, even at known ranges and under favorable conditions.

While hunting, excitement, fatigue, poor position, snow sifting down your neck, or the animal's sudden movement at the critical moment, 500-600 yard shots take a lot of skill and experience—and considerable luck. The average hunter, who practices little between seasons and is almost certain to flinch from the roar and recoil of any of the big magnums, will find that hits at 500-600 yards are highly uncertain.

First you must guess the distance accurately and who can be sure of doing that? Let me confess that on my one 300 yard mule deer

kill I misjudged the range twice. I've read of veteran hunters, who made mistakes in their distance judging, and missed the game they were shooting at.

In fact, I have a sneaking suspicion that for every animal they kill at these 500 and 600 yard ranges, most of these magnum marksmen have a lot more misses and escaped cripples than we hear about. Did you know that even a 50 yard error in range estimate at 500-600 yards with a .300 Magnum will make you miss your target by a good foot?

To me, using one of the lighter rifles that is adequate for ordinary ranges, and passing up or stalking closer for the rare distance chance, is more sporting and satisfying than carrying a magnum. To carry unnecessary weight, endure unnecessary kick and muzzle blast, and bring home blood-shot meat doesn't appeal to me.

Despite all the talk about greater hunting pressure making game much wilder, you don't see deer at much longer ranges than you ever did. If they're wilder now, they just skulk more. You may see fewer deer, but when you do see them, they're still surprised at comparatively close ranges. In my experience, most mule deer shots are under 100 yards, most whitetail shots are even closer.

A good stalk and clean kill with a light rifle will give you the keen satisfaction of accomplishing something, and it will be a testimony to your skill and care. With such a non-magnum gun, you will feel that you have escaped the dependence on the power and the perfection of the super-long range guns and cartridges, and once more you'll get the very pleasant sensation of having accomplished something with your own skill and knowledge.

I like this feeling, and is this not the reason that we hunt?



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HANDLOADING BENCH

(Continued from page 4)

eted bullets, had RCBS make up special 4-die sets for reloading these bullets. Since then RCBS has made 4-die sets a standard catalog item, along with their regular 3-die sets for hard cast bullets. I don't know of any other firm that lists these in their line, but all die makers will sell you an extra crimp die. You don't need the seating stem, but an extra one for a different bullet nose is good to have on hand. No telling when you'll switch to a different shape bullet nose.

Excessive pressure with light charges of slow, single-base powders keep popping up. Such powders are for full loads, especially in large cases with heavy bullets. Most re-



but the owner doesn't want a thing done to his gun. He is perfectly satisfied with reduced loads in cases that have been neck reamed.

I've never seen excessive pressure loads that were very accurate. Troubles with normal loads often turn up in old guns, especially old military rifles. Some of these surplus guns are not fit to shoot without some gunsmithing.

Once in a blue moon excessive pressure results from using the wrong powder. This is inexcusable. Read the label twice. Verify your data twice. Keep only one can of powder on your bench. If you don't have a powder storage closet or drawer use a cardboard box. Check your charge with scales. Write it on your measure with chalk or a grease pencil, or use an adhesive tape label. Don't let visitors or children play with your scales or measures. Put them away after use if they might be tampered with.

A chap loaded 16 rounds for a .220 Swift, using 32.0 grains 4831 and W-W primers behind a 55 grain Sierra bullet. The 5th shot locked the bolt and blew a primer. Another round gave the same trouble, and both missed the paper. I've done lots of experimenting with a Swift, and was happy when he brought in his gun, components, facts, and figures.

Breaking down his loads I found his charge weights correct. His cases needed trimming. I think long cases are a contributing factor to excessive pressure with light charges of slow powders. I re-assembled his components, using some long cases and some trimmed ones. Not one of the trimmed cases indicated excessive pressure in my gun or his. Out of eight rounds with long cases, one blew a primer and locked the bolt. We continued

ports are on salvage powders, generally 4831, although canister 4350 has been involved. The du Pont people correctly call it "seemingly improbable phenomena." It has occurred in the du Pont laboratory, at Speer's, and at CCI. Our own firm and others, as well as individuals, has experienced it.

The vast majority of incidents can be traced to other factors, mostly common ones, and occasionally uncommon ones. One of the latter is a .220 Swift that blows primers with factory ammo. The rifle maker would gladly correct the faulty chamber without charge,

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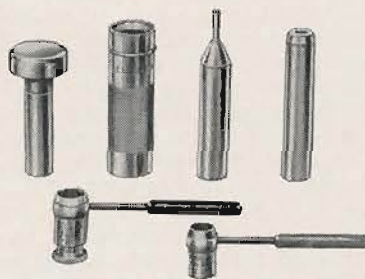
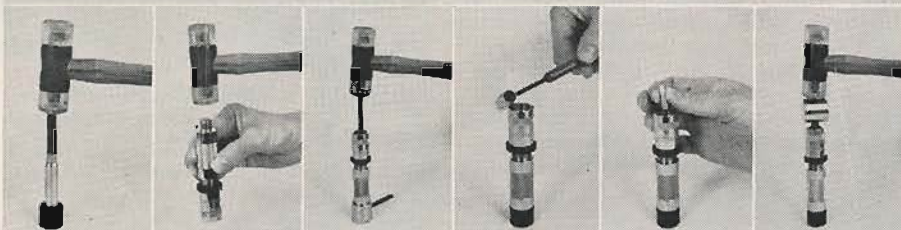
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LEE CUSTOM ENGINEERING, INC., HARTFORD, WISCONSINexperimenting until his components were
expended without additional indications of
excessive pressure.His powder, like all other samples we have
obtained that gave trouble, passed our burn-
ing rate test, and other tests, including cen-
ter of impact when compared with a different
lot number.A light .243 primer-blowing load was a 75
grain bullet backed with 41.0 grains 4350
and W-W primers. Ten duplicate loads with
Remington 9 1/2 primers averaged 2586 fps at
23,700 to 26,500 psi. Ten duplicate rounds
with Federal 215 primers, designed for the
Weatherby Magnums, gave 2734 fps at 26,500
to 31,000 psi. The Federal 215 primer didn't
cause a detonation or run high pressure with
these very light loads, although the pressure
spread was considerably greater. (In a full
charge load the 215 primer might have indi-
cated high pressure.)This, and other evidence, is the reason I
do not accept the theory that an extra violent
primer might shatter the powder kernels,
thus greatly increasing the burning rate.Until the facts are known, I think it's more
likely that a weak primer might ignite part
of a charge. A long case might grip a bullet
in the throat long enough to delay movement
until gas pressure builds up high enough in
the chamber to blow a case head and wreck
a gun, or at least blow a primer. It sounds
possible. It's only sensible loading practice
to keep the case length and neck thickness
within normal dimensions. A neck reamer
run in a fired case is a much better neck
gauge than a standard diameter bullet. If it
doesn't cut, the case neck is okay. You can
quickly check ammo or cases with a \$4.50
Forster Case Length & Headspace gauge.
Some cases badly need trimming after one
firing.Weak primers give poor ignition at best.
Hot ones, such as CCI Magnums, give fast,
perfect and prolonged ignition with all coated
powders, but they are not violent. Hot prim-
ers are desirable. Violent ones are not. They
may give erratic pressure, poor ignition. The
less gas a primer makes, the better it is.What is your chance of experiencing ex-
cessive pressure with reduced loads of slow,
single-base powders? I'd say one in many
thousands of rounds. That's entirely too
dangerous for me. Odds don't count if an
accident happens. Eliminate the trouble com-
pletely by using full or nearly full charges
of such powders.I believe the lightest loads in Speer's
Manual are safe if reduced a grain or so,
but I'm not sure. Play it safe and don't load
slow, single-base powders lighter than recom-
mended. For reduced loads use faster pow-
ders such as 4064 or 3031, or Norma's 201
or 203. Don't try to obtain maximum ballis-
tics in big cases with fast powders. It simply
isn't sensible to load fast powders too hot
or slow powders too light.I've never heard of excessive pressure that
could be traced to light charges of double-
base (nitroglycerine) powders. HiVel is an
excellent one that has performed well for
over half a century. Designed for the .30-06,
it's good in larger cases, and down to the
.222. The famous .30-06 International 300
meter load was 36.4 grains behind a 173
grain bullet. It starts at 2200 fps at 28,200
psi. A 165 grain Speer pill shoots well with
47.0 grains for 2900 fps, as listed in
their manual.

AN INTERVIEW WITH JOHN BUHMILLER

(Continued from page 36)

among the local shooters, and suddenly John found himself in the barrel business. In 1945, he moved to Kalispell, Montana, built a workshop in his back yard, had a 50 yard trench dug as shooting pit, and began to turn out custom barrels.

In no time at all, John was so busy making barrels for other shooters that he could not find time to shoot, hunt, or fish. He decided that making barrels was interesting, and that getting nice letters from happy customers was fine, but that all this work interfered with his hobby—shooting. He closed shop for a week or two whenever he could to hunt or fish. Everything was going along very well until, at age 63, the Africa bug bit him. He decided that it was about time to put some of his ideas and experiments to the most crucial test—hunting dangerous game in Africa. Currently, John is on his seventh African hunting trip.

As barrel maker and gunsmith, John developed a number of big bore wildcats, and in the early days of his game control hunting, he found that more than two cartridges in a gun were his best life insurance. Before abandoning the double rifles—like his friend John Taylor, he removed the automatic safety—he tried the trick of the professional white hunter of holding two spare shells between the fingers of his left hand. But in a herd of elephants or buffs, even four shots would often not be adequate to decimate the herd or persuade it to move.

He began to experiment with the imported Brex actions, and found that two rifles with these actions, filled with ammo, would do the trick in most circumstances. "I get these actions from Tradewinds in Tacoma," John told me. "During my elephant control hunting days, I decided that I would need the greatest practical magazine capacity. I grind out quite a bit of the magazine and get six rounds into the revamped magazine." This allows John to get into the middle of the marauding herd of buffs or tuskers, and shoot until the herd leaves. But even with the magazine rifle and whopping big calibers, John has had several rather sticky moments when, on the last shot, several of the animals would turn and start to charge.

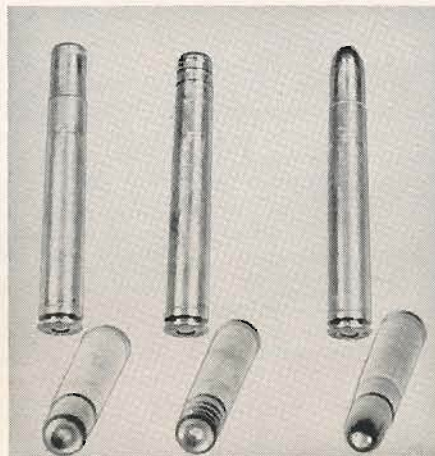
But finding the perfect combination of caliber, barrel twist, and action did not end the quest for a suitable game control rifle. John now makes his own bullets, and when he is not chasing buffs and elephants through the African bush, he is busy developing new loads, guns, cartridges, and bullets. Since this work takes more time than making barrels commercially, John sold most of his shop equipment last fall and now only makes barrels and guns for his own use.

His new .450 Mag. and the new bullets look most promising. He recently reported from Africa: "We had a terrible hunt. After two miserable, rainy days in the bush where the mud bogged down the safari car twice for 8 or 9 hours in two days, we returned to town. I was very anxious to test the special bullets I had shown you, but had only one day of actual shooting. I killed three buffs with two shots, and also one maned lion with one shot. The buffaloes are the toughest of African game to put down, and further tests will now have to wait for next year's trip."

The 1964 season will tell a more complete story, but here are some late details as given to me by John upon his recent return to the U.S. "The bullets performed in an excellent manner, even though only three shots were made with them. I have had enough experience shooting 'buff' bullets into wood so that I can pretty well evaluate a bullet's performance and predict what it will do on game after examining its effects on wood. Soap or gelatin are useless for this purpose, but there is little guesswork left when I test bullets in wood.

"The point of a solid bullet can be worked over until it will create, what I call, a 'mouse-hole bullet effect.' That is, when the bullet leaves the wood, the hole resembles that made by a mouse rather than the tiny hole left by a conventional solid bullet which penetrates skin and flesh somewhat like a pointed instrument, doing very little lacerating of skin and tissues. Many has been the time when a wounded buff left no blood trail to follow. The exit holes left by my bullets are large and bleed freely.

"This bullet point (see pictures) gives very reliable penetration, since the shape of



the bullet does not allow easy deflection when it strikes bones or heavy hide. Judging from the fact that I killed two buffaloes standing side by side with one shot, shooting through the first animal and almost through the one standing beside the first one, I'd say that this bullet has almost too much penetration power."

John is now working on further improving this bullet style, and plans to design a rather extreme wadcutting bullet that would be loaded into the first round to be fired, thus providing excellent brush bucking properties and maximum tissue destruction.

John is now making up another .450 Magnum. This one is being designed so that the flat nosed bullets in the cartridges will feed smoothly into the chamber. If this magazine alteration is successful, he plans to flatten the bullet points even more which, in turn, means even greater effectiveness with more than ample penetration. Buhmiller feels that more progress can be made in that direction and he is most anxious to test these new bullets on game—on wood they did fine. The 1964 African season is just around the corner, and we will hear more from John in the not too distant future.

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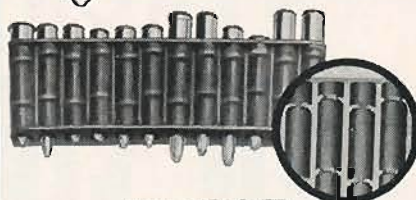
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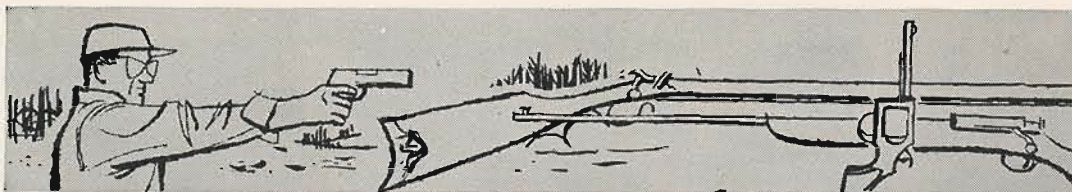
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HANDGUNS FOR SMALL GAME

(Continued from page 35)

1.3X Bushnell Phantom handgun scope on a Colt Officers Model Match revolver in .22 WRF Magnum caliber. I used the Bushnell mount clips designed for the handgun in question, and did the mounting myself without any difficulty.

Failing to find any specific ballistics data on the regular factory .22 Magnum load in any of my ammo reference material, I took a chance and sighted the rig in at 20 yards. I found that this zero'd the bullet at just about 60 yards. Comparing with a .22 Magnum Colt single shot rifle mounting a companion Colt scope (this combination also being sighted in at 20 yards), I found that the rifle bullet zero'd at about 82 yards, while the handgun's bullet zero'd at 60 yards. I do not claim to be any ballistics technician, but I figure that the difference in the barrel length of the two guns made the difference. I shot standard factory Super-X ammo from the same box in the two tests.

Scoped or not scoped, rifle accuracy in the same caliber is good to a considerably longer distance than handgun accuracy. This is a pretty obvious comment, but it's a good thing to keep constantly in mind when you go handgun hunting. Don't try shots at the ranges you would tackle with a rifle.

With the .22 Colt Buntline, before I had the experimental scope mounted on it, I could hit small game like rabbits and squirrels, and farm pests such as woodchucks, with a fair degree of consistency up to 30 and 35 yards. After the scoping, I could do even better at 45 and 50 yard distances. The Buntline, of course, has a 9 inch barrel, which helps.

I found the Colt Officer's Match Model in .22 Magnum caliber to be somewhat more accurate than the Buntline. Before scoping, I could hit small game and pests reasonably well at distances up to 40 yards. Kills (especially on young woodchucks) were easier and more consistent at distances up to 60 and 65 yards after the scope mounting.

As I said, I am no Wild Bill Hickock with a handgun. I do, however, shoot scores about equal to most of the "Average Joes" that I have plinked around with. A lot of us like to own and shoot handguns, but precious few of us can shave off a gnat's whiskers at 40 paces a la pistola.

After scoping the Colt .22 Magnum, I could shoot a 50 per cent tighter group at 60 yards than I could before scoping. And I could kill at least 25 per cent more squirrels and rabbits at 35 to 45 yards, and fully that many more woodchucks per number of shots fired, at distances all the way up to 65 yards. At distances beyond 65 yards, my shooting score starts slipping fast even with the scoped .22 Magnum handgun with its 6 inch barrel. I have made a few lucky kills up to 75 and 80 yards, but darn few. The few times I have scored at such distances, I considered it more luck than otherwise. I just do not believe that an average handgun fan like myself can do much with a .22 or .22 Magnum handgun, even one with a good scope mounted on it, at distances beyond 65 yards.

I personally do not try very much rabbit hunting with any kind of a .22 because of

the dangers of ricochets involved. Chuck shooting I do mostly in rugged hill country, where there is always a backstop for the bullets, and of course most shots at squirrels are at upward angles.

The glancing danger of a .22 bullet is a lot greater than the same danger from a souped-up caliber like the .222 or .220 Swift. Shooting safety is really to be reckoned with when shooting .22 rifles or handguns. The .22 Magnum is actually nothing more than a slightly souped-up .22 (the same bullet with more powder behind it). I selected the .22 Magnum in the Colt Officers Model Match because it is a better woodchuck caliber than the regular .22 and just about as good a squirrel caliber. The extra power of the magnum is not at all necessary on squirrels, but it does make it a considerably better load for chucks and other small farm pests.

One can still hunt squirrels with a scoped .22 handgun in a good den or feeding area, and get plenty of shots at the fuzzytails at 40 yards and less. Actually, the shots in good squirrel territory will average less than 30 yards. One should do some targeting before the hunt to know how to cross-hair the squirrels at 25 to 35 yard distances.

Handgunning chucks is different. These ground dwelling critters, although they are all members of the rodent tribe, as a rule are a lot more shy than squirrels. It takes real stalking to get within handgun shooting range of them. As a matter of fact, it is far better to sit and wait for them to emerge from their dens. On a hillside, a chuck will usually emerge from his den facing downhill. I have found it far more productive to take my waiting stand uphill from the den. Downhill in hilly country is usually safe shooting, because there's another hill just beyond the hollow below.

One will not get as many chucks shooting a .22 handgun as they will with a regular varmint rifle, but the ones that are bagged will be a lot more fun. Easing up to near the dens (usually to within 40 or 50 yards) and sitting real still and watching for the chucks to come out is really a lot of fun. Some of the grizzled old rascals that have been shot at a few times and missed may stay down all day, but young chucks, and even adults that have not been shot at, will usually ease out of their dens when they start getting hungry for some green stuff. During normal spring and summer weather, the best hours of the day to watch for them are from about a half hour after sunup until around mid-morning, again from eleven-thirty to one, and finally from mid-afternoon until just before sundown.

Yes, there is a lot of extra pleasure attached to handgunning small game and varmints, even though it is more of a sideline method than a regular method for us average gun and hunting fans. I am one of the pioneers of the handgun scope idea, and I enjoy it very much. It can't take the place of rifle hunting if you want to kill a lot of chucks, rabbits, squirrels, or whatever you're after. But if a sporting proposition appeals to you, the scope-sighted handgun offers a very interesting addition to our hunting sports.

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OLD TIMERS WORE 'EM HIGH

(Continued from page 30)

only about twelve feet away, missed Bell by at least three feet. Unfortunately for Bell, the bullet ricocheted off of a hard plastered wall, hit Bell under his right armpit, and killed him."

Billy Bonney was game enough, Dad said, and he put up one hell of a fight at the McSween house; but this was a case of doing what he had to do, or be killed. And he had a considerable amount of luck, in getting out as he did.

Brininstool asked Dad about the story of the Kid once shooting the heads off of six snow birds on a fence at 50 yards with his pistol?

Dad smiled wryly. "That's a tall story," he said. "I don't believe it, and nobody else would either, if they stopped to think about it. The gun wasn't up to it, and neither was the man—or any other man I ever knew. All men who handled guns in those days, shot pretty good," Dad said. "Some better than others. A few, who were real good at targets for drinks, went to pieces when shooting at another man who was shooting back. It all depended upon the man and the circumstances."

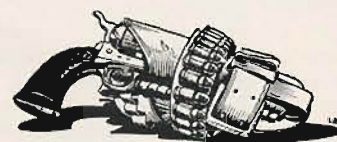
Garrett, he said, was as good as anyone he ever knew, both with pistol and rifle. By way of illustration, he told about the time, at Stinking Spring, where Garrett and his men had surprised the Kid and his bunch (Charlie Bowdre, Billy Wilson, Pickett, and Dave Rudabaugh) holed up in an old rock house. Two horses were tied just outside the doorway, and Garrett shot the tie ropes in two with his Winchester, turning the horses loose and leaving two of the outlaws afoot.

The picture of Billy the Kid here reproduced shows definitely how he wore his pistol. This picture incidentally, was photographed from the original picture, which appeared in Pat Garrett's book, "*The Authentic Life Of Billy The Kid*," first published, I believe, in 1882. I remember Dad

saying it was a very good likeness. This fits with the testimony of many who knew him that "Billy was a nice looking boy"—and surely repudiates the picture so often published which depicts him as a moronic-looking monster.

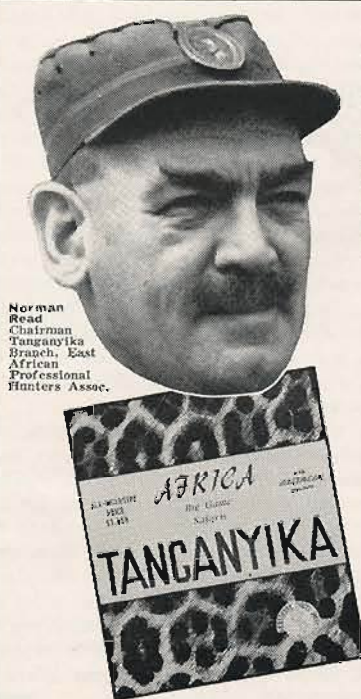
Where or when the original picture was made will never be clearly established, but Garrett told Dad that he thought it was made at Ft. Sumner after the Kid's escape from the Lincoln County jail, since the Kid seems to be wearing the .41 Colts double action that he was carrying the night Garrett killed him. He must have acquired this pistol after his escape, since no one remembers his wearing such a weapon before, and the guns he took from the jail arsenal were a pair of .44s—single action Colts, and a .44 rifle. A friend in Ft. Sumner gave Garrett the original picture.

Growing up in Silver City, New Mexico, I knew quite a few well-known peace officers: Herb McGrath and John Casey, sheriffs of



Grant County; Jim Blair, a highly respected peace officer for most of his adult life; Bob Putnam, a deputy sheriff with several notches on his gun, to use a moth-eaten cliché. And last but no means least, Mr. Muse.

Nobody called him anything else, so I never knew his first name. He was a small, soft-spoken man with a crippled leg, and no one seems to know how many men he killed. Probably five or six would be a fair estimate. Mr. Muse favored a shotgun, double barreled, which he called "Old Betsy." He carried a pistol, too, a single action Colt, worn in the accepted fashion high on the right hip.



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McGrath, Casey, Blair, and Putnam carried the same type of gun, worn the same way. These heavy old Colts served a double purpose. Not only were they reliable man stoppers, they could be used with good results by whopping a man over the skull, when shooting was unnecessary. Wyatt Earp, it's



said, used his long-barrelled Buntline this way most effectively.

McGrath, in his later years as sheriff, switched to the Colt .45 auto, also worn high on the hip. This was a beautiful presentation gun, and I have an idea he wore it mostly for sentimental reasons.

Yuma, Arizona, where I now live, is a modern city of 30,000, yet as "western" as any town I could name, steeped in history and lore dating back to the days of the Spanish Conquistadores. The infamous old Territorial Prison, which once housed the West's toughest element, was located here. It is now a State Parks monument, open to the public. Indians, ranchers and cowboys are still a common sight on our streets—we've even had a spate of cattle rustling in these parts lately. But the stockmen come to town now in jeeps and pick-ups. You would think that here, if any place, would be the last ditch stand of the old single action. But no, these pistols have long been replaced by modern handguns in both the sheriff's office and the city police.

Sheriff Travis (Bud) Yancy and Police Chief Bob Mabery will tell you that their respective departments use .38 Special and .357 Magnum double actions, the latter loaded with .38 Special ammo. The Magnum

load, they feel, is too explosive, too deeply penetrating for use on city streets or in populated areas.

The photos of Sheriff Yancy and Chief Mabery show how they wear their guns—snugly on the right hip, as did the old timers. Their men do likewise. The only difference is in the holsters. These modern ones are excellently made, much smaller, and tilted forward, for easier accessibility to the gun, when riding in cars.

A lot of the old West, though, still remains in the two Yuma law enforcement agencies. In their arsenals are various rifles and sawed-off shotguns, but the preferred rifle is the old reliable and time-honored .30-30 Winchester carbine—flat, short, easy to carry in cars, jeeps, or on horseback.

For short range work, the chief and sheriff both agreed, the shotgun is unsurpassed. With 00 buck, it could blast a tire to shreds, stopping a speeding car, and at around 25 yards, there is small chance of missing your target with at least a few of the big pellets. It has its psychological advantages, too. A criminal, facing an officer armed with it, knows that there is little chance for the officer to miss.

Both departments take gun handling and firing instructions under FBI men. The FBI instructors teach accuracy over speed, stress placing the first shot where it counts, just like the old timers.

Pete Newman has made a notable reputation during his forty-odd years as a peace officer in Yuma County. He could be classed, I suppose, as a younger old timer. He is also somewhat unorthodox in his choice of weapons. His pistol, a government issue 1917, is an old Colt .45 double action, with 4½ inch barrel. His rifle is a 1905 .32 Winchester automatic, with a ten shot specially made clip. It can be set to fire full automatic or semi. Both guns are obsolete, you might say, but Pete has used them throughout his career, and they have served him well. He carries his pistol in the old-time manner, snugly against his right hip.

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LOADS FOR THE NEW CALIBERS

(Continued from page 25)

head, and they are dead before they hit the ground.

Ruger, as expected, is holding production pistols to close dimensions, with excellent fitting. In the several we've tried extraction is easy even with top loads.

You can't take advantage of the flat trajectory with factory iron sights. The Bushnell 1.3X Phantom Pistol Scope lets you clobber varmints at fantastic long pistol range or moderate rifle range. The Ruger pistol is drilled for this scope and mount. The long 6" to 21" eye relief is suitable for almost any hold or position. You have to try this glass to believe how good it is on any handgun.

Other top Speer loads for their 60 gr. bullet include 9.5 gr. Unique for 2320, or 9.0 gr. for 2239 fps; 14.5 gr. H-110 for 2454 fps; 13.5 gr. AL-8 for 2419 fps. The 87 gr. Speer pill seems to burn 4198 better than lighter bullets. Use 18.0 gr. for 2122 fps. C-H had a "first" with dies before the cartridge

was in production. The C-H dies are perfect. Always full length resize, and seat all primers slightly below the case head face.

Remington's XP-100 single-shot, bolt action pistol for the .221 Remington Fireball (as stamped on the barrel, but advertised as "Fire Ball") is by far the hottest of the .22 hot-shots. It sets a new record for a Hi-V handgun that may last until rocket or ray guns are invented. The superb accuracy at long, long ranges is amazing. It's actually close to Remington rifles, although it's a bit harder to shoot. While the factory got many $\frac{3}{4}$ " groups at 100 yards, the average shooter can expect groups of perhaps under 2" with a rest. Ours went as small as 1.3" with Speer's 50 gr. pill backed with 16.5 gr. 4227 and CCI 450 Magnum primers for 2735 fps, compared to 2650 fps listed for the factory load. This load is near tops, but doesn't run excessive pressure. Speer calls 16.7 gr. tops at 2745 fps. We fired 17.0 gr. for a test, but not a shooting charge.

A very fine load we worked up with the same bullet for slightly less velocity is 17.5 gr. IMR 4198 with CCI 450 Magnum primers for 2679 fps. Speer later worked up the same load and called it tops. However, it isn't too hot in our gun.

Speer lists 15.7 gr. of 4227 with their 55 gr. pill as tops at 2641 fps. or 15.0 gr. at 2554. I prefer the Hi-V of a 50 gr. pill for varmints, although the 55 has a ballistic advantage for long range targets. My data in June 1963 GUNS still stand.

The XP-100 is incomplete without a scope. Bushnell's Phantom is fine for field use. I recommend a Weaver K-3 or K-4 with a Buehler mount for long range targets or testing. Weaver rifle scopes are specified because they are fine scopes, and have a longer eye relief. The latter feature is worthwhile on any gun, especially on pistols or hard-kicking rifles.

Forster-Appelt, Lanark, Ill., who make the unexcelled Forster Precision Case Trimmer, designed a clever Handgun Sling, patent #2,985,980. Put the large loop around your neck, the small loop on your right thumb (or left for southpaws) and you can hold the

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Say "good-bye" to the .300 H & H Magnum. The supreme .30 for many years isn't gone yet, but its exit is near. Those who praise it, know its faults. Designed for high nitroglycerine content stick powders, the screw-ball case isn't the best for our powders or reloading. The long actions often gave extraction trouble. Wildcatters worked up fatter, superior "short .30 Magnums" on altered cases. One example is the .300 Apex. This "Wildcat of Merit" in my fine custom Apex-FN is now a dead duck, but still one of my favorite rifles. Anything a .30-06 or .300 H & H can do my .300 Apex can do better.

Winchester gut-shot the wildcats and the .300 H & H with a short .300 Winchester Magnum cartridge for their M70. The strong, well designed belted case gives ballistics that are about ideal for everything from deer to



the largest U. S. game. It beats the .300 H & H way across the wind swept prairie, in the chamber, or at your loading bench. It hits the fine .308 Norma, first of the commercial short .30 Magnums, a hard blow, and probably also the .300 Weatherby—the ultimate commercial .30 Magnum. I'd have designed the case with a somewhat longer neck, but this is no big thing.

Some experts claim anything smaller than a .30 is less efficient on big game, and that a larger bore is not needed, except for the largest African animals. I'm inclined to agree to a great extent, if the .30 is a hot-shot such as W-W's new creation. Where a .30-06 has plenty of punch, or is "adequate," many experts will agree that it doesn't hurt to pack more power with a flatter trajectory for faster shock and cleaner kills at longer range with identical bullets. Hi-V shock is a wonderful and terrible thing on the terminal end. This one has it, and it will clobber varmints way down the road during a gale.

Of course we can assemble reloads better suited for our varmint or game needs, reduced if desired, and get better accuracy. Winchester's excellent bores and chambering contributed much to Model 70 fame, considered by many as the finest production rifle. They shoot good enough for most owners right out of the box.

Pin-point accuracy fans consider all factory guns as do-it-yourself "kits." They tune-up the wood, or install custom stocks. If your groups are not satisfactory, try a target paper shim or two between the barrel and fore-end, with the front guard screw pulled tight. Then shoot without a shim and the front screw backed out one-half turn or so. If this shoots better it means your rifle has a loose screw, and is ill. Free-floating the barrel will probably cure it.

RCBS had perfect dies before .300 Win. Magnum ammo was in full production. Ammo seems to produce lower pressure than some other hot-shots. The first lot, tested by Speer, was loaded with 76.7 gr. of a non-canister powder, for 3145 actual fps with 180 gr. bullets. Speer tried the same charge of 4831 that averaged 2951, and the same charge of 4350 averaged 3186 fps.

The 150 gr. factory load went 3339 fps with 75.5 gr. non-canister powder. The same charge of 4350 gave 3292 fps.

Speer's top charges with their bullets and 4350, which seems to be the best powder, and CCI 250 Magnum primers, are: 73.0 gr. with the 200-6-SP bullet for 3025 fps; 75.0 gr. with 180-6-SP for 3202 fps; 77.0 gr. with 165-8-SP for 3338 fps; 79.0 gr. with 150-6-SP for 3479 fps. Standard primers give more velocity variation. I highly recommend CCI 250 Magnums. These loads are for W-W cases, and should be reduced at least 5.0 grains in Norma brass.

Hornady Mfg. Co., Box 906G, Grand Island, Nebraska, have .300 Win. Magnum loading data. Send a self-addressed, stamped envelope for this information. A good varmint load, listed as tops, is Hornady's 130 S/O Spire Point at 3500 fps with 71.6 gr. 4320 ignited by CCI 250 Magnum primers. You get identical velocity with a lot more of a slow powder, such as 79.1 gr. 4350, or 82.3 gr. 4831. Hornady lists their 110 gr. S/O Spire Point at 3800 fps with the same primers and 69.4 gr. HiVel-No. 2 or 74.7 gr. 4320, all tops.

What's the deal on Remingtons' new 6 mm? The 6 mm wildcats were popular before W-W and R-P introduced their versions. One of the best was Fred Huntington's .243 RCBS Rock Chucker. Remington's Mike Walker nearly duplicated it in designing the fine .244. Remington's new 6 mm rifles have a highly desirable 1:9 twist, that works beautifully with heavy 105 grain bullets, and all lighter ones down to the too-light 60 grain. The case, except for the headstamp, is identical to the .244, that interchanges. The 100 gr. factory load is a dandy in either the M700 bolt action, or the M742 auto. The latter will be popular with many game hunters. It handles reloads well, and has amazing accuracy for an auto action. The Remington rifles and cartridges are exactly what is in demand.

A friend working with the 6 mm extensively found no 100 gr. bullet gave better than minute of angle accuracy. Best accuracy with bullets heavier than 90 gr. was with the

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Velocity	4350 Powder	4831 Powder	
3100 f.p.s.	70.0 grains	74.3 grains	
3200 "	72.0 "	76.5 "	
3300 "	74.0 "	78.7 "	
Hornady 30 Cal. 180 Gr. S/O Spire Point Bullet			
2900 f.p.s.	67.2 grains	72.0 grains	
3000 "	69.4 "	74.0 "	
3100 "	71.5 "	76.1 "	

for the 300 WINCHESTER MAGNUM

Hornady 30 Cal. 150 Gr. S/O Spire Point Bullet			
Velocity	4350 Powder	4831 Powder	
3200 f.p.s.	74.9 grains	77.6 grains	
3300 "	76.9 "	79.3 "	
3400 "	78.9 "	82.0 "	
Hornady 30 Cal. 180 Gr. S/O Spire Point Bullet			
2900 f.p.s.	69.8 grains	72.8 grains	
3000 "	71.9 "	74.9 "	
3100 "	73.9 "	77.0 "	

for the 300 WEATHERBY MAGNUM

Hornady 30 Cal. 150 Gr. S/O Spire Point Bullet			
Velocity	4350 Powder	4831 Powder	
3300 f.p.s.	81.0 grains	84.8 grains	
3400 "	82.7 "	86.7 "	
3500 "	84.4 "	88.6 "	
Hornady 30 Cal. 180 Gr. S/O Spire Point Bullet			
3000 f.p.s.	77.5 grains	80.2 grains	
3100 "	79.1 "	82.2 "	
3200 "	80.8 "	84.3 "	



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105 gr. Speer Round Nose backed with 43.0 gr. 4350, generally the best powder for heavy slugs. Finest accuracy was with the 75 gr. that shot in $\frac{3}{4}$ " at 100 yards with 42.5 gr. 4064, probably the best powder for light pills. It's 2.5 gr. more than listed in Speer's Manual as a top .244 load, but test cases took 44.0 grs. without trouble, which is NOT a shooting charge.

You'll like top charges in Speer's Manual for a .244. Two fine ones are their 80 gr. with 48.8 gr. 4350 for 3532 fps, and their tougher 90 gr. with 50.0 gr. 4831 for 3356 fps. These are not excessive loads with CCI 250 Magnum primers in any guns we have tested. Due to rifle variations it's impossible to list the best specific loads for all guns. Start a bit lower and work up for the best charges in your guns, as always.

Speer's 105 gr. Round Nose is a very fine bullet for deer and medium game. It's probably the best where some brush may be encountered. It plows through brush where their same weight spitzer, or any other spitzer may sometimes deflect. Sometimes a spitzer wiggles through brush with deadly effect.

The versatile 6 mm is dandy in factory or custom rifles, and one of the least temperamental. Recoil is not unpleasant, and Remington's new M700 rifles are by far the best bolt actions they have ever made, greatly improved over their 721 and 722 fore-runners. The completely enclosed case head is a very desirable feature for an extra margin of safety.

We have not worked up loads for the new .284 Winchester at press time. The round is shorter than the time-proven .270 Win., with similar ballistics, a trick W-W knows much about. I'll wager it's popular in Winchester's M100 auto and M88 lever action, fine rifles of their types, and the only ones currently chambered for it.

Speer's newly introduced Target-44's use identical type plastic cases and bullets as the Target-38's and perform best with the identical primers, CCI 350 Magnum pistol type, for maximum accuracy, case and bullet life. No equipment needed. Press primers in on a table, punch 'em out with a nail or pencil. We have fired some cases and bullets over 30 times with these primers! Primer cost is practically all the cost. Accuracy is fine to over 35 feet.

A new ammunition factory is big news indeed. CCI invested over two million dollars to make CCI "Hyspeed" .22 Long Rifle ammo. In this highly competitive field it sounds as risky as drawing to an inside straight. But CCI had the know-how in munitions chemistry and precision manufacturing in mass-producing their primers.

This resulted in most excellent accuracy of CCI Hyspeed ammo. Their fodder shoots remarkably well in all types of target grade and low priced rifles, pistols, and revolvers. It holds the accuracy of guns to an extremely high degree for Hi-V ammo. One reason is probably the fine copper plated bullets that are so accurately made. Rifle velocity is 1253 fps at 19,700 psi pressure.

This is the handloading story of the new cartridges. As newer ones come out, or as I get new loading data on the ones mentioned, I shall report on them in GUNS. The ammunition and guns news was exciting this year, and there are more in the hopper for next year.



CHOOSING A GUIDE

(Continued from page 23)

maybe a lot wiser, but with no trophies. He hadn't fired a shot!

Elgin Gates, voted the Outstanding Sportsman of 1960, owed a considerable debt of gratitude to Abdorreza Pahlavi, the Prince of Iran. The prince had invited Gates, Herb Klein, and Jack O'Connor over to enjoy some of the superb mountain shooting in his own hinterland. As a sort of repayment, the Prince was asked to come over and make a shooting soiree on these shores. This he did, and it fell to Gates' lot to take him to Alaska.

Gates found when he got the blueblood into a hunting camp up in the Alaska Range that the guide-outfitter, with a fine, high disregard for the niceties, had billeted the Prince in a tent with six other hunters. The man is a Moslem and, in accord with his precepts, must perform certain private ablutions daily, not to mention five prayers between suns. Gates was embarrassed, and all the more so because the Prince made no complaint whatsoever.

The hunting procedure must have seemed a bit strange to the Prince, also. It did to Gates! Each two hours during the brief daylight, the light plane would pick up a pair of hunters from the eight who were in camp, and wing them away. The other six sportsmen were admonished not to budge from camp; they'd get their turn later. For many hours, three-fourths of the party were left by their lonesome to fume around camp with absolutely nothing to do. Under this sort of an arrangement, as Gates described it to me, you had no chance to look over trophies; you simply had to shoot the first game offered. After all, the pilot could only be out a couple of hours!

Gates, not being exactly a novice in the matter of hiring hunting services, objected to this production-line treatment and refused to pay the guide. A lawsuit resulted. It is gratifying to be able to report that Gates won the suit!

A friend of mine wanted to hunt for Marco Polo sheep, those fantastic dwellers of the highest Himalayas. Only two Americans since 1926 have successfully hunted these fabulous game animals, unquestionably the No. 1 game trophy in the world today. Herb Klein and Elgin Gates, hunting under the benevolent invitation of the Mir of Hunza, the tiny principality containing the only bands of these Ovis Poli this side the Iron Curtain, each took fine rams.

My comrade contacted an American guide who claimed to have entre with the Mir of Hunza; as a matter of fact, he claimed he was the intermediary between the Klein-Gates party and the hereditary ruler of this pint-sized kingdom. This promoter took \$2500 as a 25 per cent down payment on the proposed hunt. He then departed for Hunza, located in Eastern Pakistan hard against the Red Chinese border. He was going, he claimed, to get everything all set up for the forthcoming expedition.

After some months, he cabled back for my friend not to come. The hunt was off; there would be no permits granted for Ovis Poli this year. My old hunting pardner is still awaiting the return of his twenty-five

hundred dollars! The odds against his getting it are, in my cynical opinion, fantastic!

Last Fall, I had plans to wing up to the Northwest Territories and shoot a Woods buffalo. There is a herd of about 13,000 of the beasts just south of Great Slave Lake. These bison have always been in this country and are completely wild, are not within fences, have never been herded or driven, and are not pampered or fed, winter or summer. Besides all this, the Woods buff is bigger, heavier, and blacker than his plains-living counterpart.

My guide-outfitter wanted \$800 as his fee. This is a stiffish bite for a single trophy—and that only a stogy buff—but I agreed. Then, quite by happenchance, one of the Canuck hunting and fishing journals fell into my hands, and I noted therein that my Alberta outfitter worked on two standards. He had, as a matter of fact, two prices; one for home folks, and one for suckers like me. His advertisement, intended, you may be sure, for strictly home consumption, said he would take you out and guarantee you killed an old bull buff for a reasonable \$500. This sort of nettled me and I wrote him and suggested he sell my chance to Castro, or maybe the Red Chinese. Maybe he did. He never told me.

In Africa, some of the outfitters work like their North American counterparts; they require a 25 per cent earnest money down payment, and then put the bite on you for the



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remainder of the fee in the New Stanley bar, before you ever set foot in the safari car. Once you get in the field, the Scotch costs twice the going figure; the cartridges, both rifle and scattergun, which you buy from the outfitter, are goldplated with silver trim, to judge by the price—and what's most ironical is that these same loads were left over from the former safaris of other Yanks, who always trundle more shells to Africa than they ever shoot, winding up by generously donating them to the white hunter.

What's maybe most shoddy is the business of tips. The white hunter coerces the sportsman into paying such atrociously high 'tips' to the blacks at the conclusion of the safari that, in fact, it pays their salaries for the entire 30 days. These are dirty tactics, indicative of a knavery which has stretched around the world in guiding circles.

It is common practice these days for outfitters to write glowing letters as a come-on. The game is in abundance; record heads are around in numbers; the food is unsurpassed; the horses are gentle, and the weather can be depended upon to be balmy. "We'll get you a Boone & Crockett trophy, have no fear about that!" is the theme song. These cheerful notes may bear little resemblance to the actual situation once the sportsman gets on the ground.

For, once he is actually in the saddle, he has by that time paid to the last penny every portion of the agreed fee. The guide then can settle back. He has made no guarantees of any kind. He takes the dude out for the allotted number of days, rides him around, climbs a dozen mountains, makes

several camps, and finally fetches him back to the starting point and there bids the sucker a cheery farewell. The sport is pretty downcast, but not the outfitter. He has his money, and next year gets an entirely new set of hopefuls.

When a man buys a new auto, he looks it over and tries it out. When he buys a new rifle, he sees and inspects and maybe shoots the weapon before he pays. When he goes to the trading post for a sack of beans, he gets goods beans and full measure. But when he answers the siren call of the guide's advertisement, any relation between what the ad says and reality may be wholly coincidental. He buys a pig in a poke.

Taken by and large, both on this continent and abroad, a broad segment of our big game guide-outfitters are, Allah be Praised, reliable, ethical, honest, and hard-working people. But there are exceptions, and it is the exception that makes things tough for you, for me, and for reputable guides as well. Every year, I hear more and more hairy tales of fast deals and shady tactics on the part of the spoil-sport outfitters.

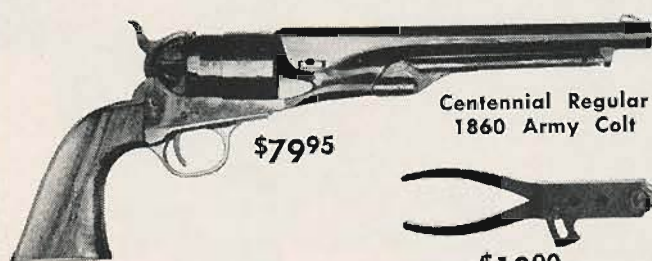
Last year, up in the Chukchi Sea where we hunt Polar bear, a strange phenomenon occurred. The wind blew steadily out of the southeast for a week, and drifted the icepack over the yon side of the International Date Line; that is, into USSR waters. The guides, who operate from light planes, flew over on the Siberian side and proceeded to clobber the Polar bruin, just as they are in the habit of doing on our side. This was dangerous. But, after all, for a couple of thousand bucks, you must expect a hazard or two.

(Continued on page 58)

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Why buy a cheap imitation when NOW you can own an exact replica out of America's History. Centennial Arms Black Powder Shooters are now better than ever. They are completely proofed for better and safer shootings. With this ad only, we are now able to offer all lovers of Black Powder Shooting who do not yet own one of these handsome replicas a **FREE Bullet Mould and Powder Flask** with every Centennial Regular 1860 Army Colt.

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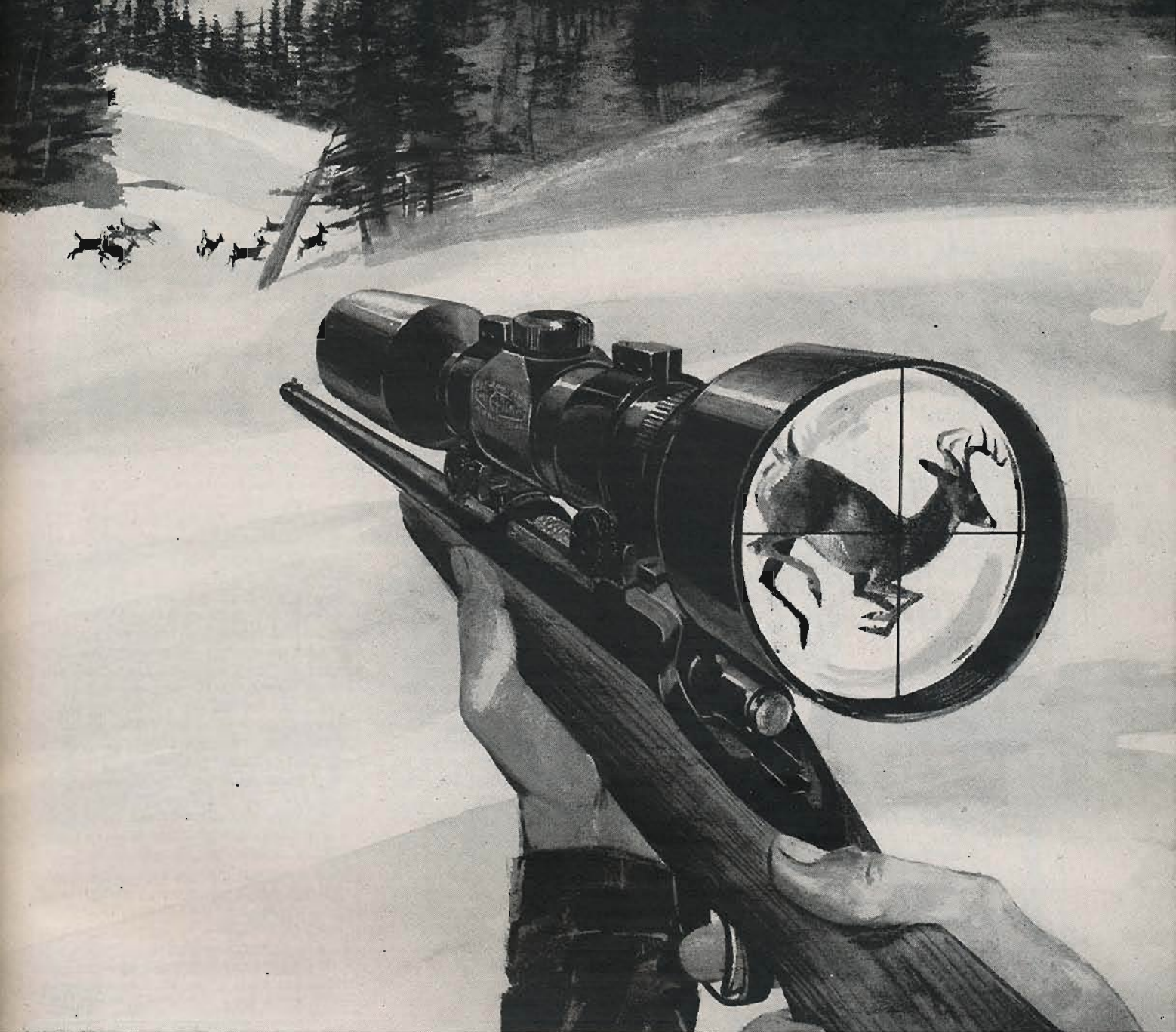
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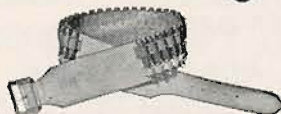
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(Continued from page 56)

One fine day, fully six ships were 'way over on the Muscovite side when down swooped a flight of MIG fighters. They caught most of the guides' ships down on the ice. Why they did not strafe the lot of them is hard to understand. But the U.S. Air Force had to scramble a fighter flight to the rescue, and it was really touch and go for the better part of an hour. Finally, the guides and their dudes got away; but not before everyone was impressed with the seriousness of the situation.

This kind of chance-taking shows a decided lack of good judgment on the part of the guide-pilots. In their overweening zeal to garner those \$2000 buck slices, they were sticking their necks out, and those of their clients. A lot too far!

The entire guide business needs to be policed, to weed out the grafters. The reputable majority would welcome the right sort of supervision—if only because it would put some of their competitors out of business. At the present time, there is scarcely any control whatsoever. The state game departments make half-hearted attempts at maintaining control, but it falls infinitely short of what is really required. There are guide-outfitter associations, but these bodies are less concerned with the standards of professional conduct than with the effort toward holding prices in line. Far too many of the game departments also look on the incoming sportsman as a paying customer. They put the bite on him for non-resident license fees—in the case of Alaska, the steepest in any hunting fields around the world—and then show precious little interest in the sharp tactics of some of the professionals within their borders.

What obviously is needed is a clearing house where the sportsman, after a hunt, could report on the success or failure of his foray. Did he bag the game he was after? Were costs in reason? Was the guide an ethical, competent, honest individual who fulfilled the promises he made by advertisement and letter—a hustler and a worker and a credit to the fraternity? Or was he a lout, intent only on taking the sportsman's money? How was the food, the vehicular equipment,

the horses, tentage, and the organization.

The submission of reports such as this would, over a comparatively short time, serve to put all the tin horns on record. After that, all the sportsman would need do would be to write to this clearing house and ask for a confidential run-down on old Siwash Bill, who advertised for hunting parties. In a surprisingly short time under such a system, the phonies would be forced to fold up.

The fly in the ointment is that there is no such information center. But there are things that you can do to protect yourself; things you not only can do but should do, for your own good and for the good of all hunting sportsmen.

When you contact a guide, whether because of an advertisement or otherwise, insist that he give you a list of names and addresses of people he has guided. Do this before you pay him a dollar. When you get the list, write at least several of the people mentioned. Tell them your plans, that you are considering hiring this guide, that you want advice about him. Hunters, by and large, are generally willing to help a fellow hunter. The odds are that some of those you write will answer you, tell you frankly what you need to know.

Have a complete agreement, in writing, about payment, accommodations, what happens about a refund, full or partial, in case you break a leg after you've made the down payment and can't make the trip. Check with the state's game department about game in the area into which the guide proposes to take you. The guide can't, and shouldn't guarantee you a Boone & Crockett trophy, or any trophy; but he certainly should, if he takes your money, be able to take you where game is; and he should be prepared to provide you with decent food and decent transportation and shelter commensurate with conditions and the fees charged.

Guides are essential to the hunting sport. You simply can't go into remote big game country without one. But the fact that he is essential does not give the guide a permit to steal. There's a rule in this country that you pay for what you get, and get what you pay for. Too many guides are cutting that rule off at the first comma.

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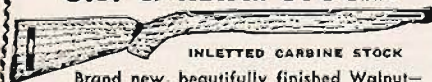
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THE SHARPS AND THE BUFFALO

(Continued from page 22)

squeezed the trigger. There was a boom, and the big lead bullet arched perfectly. One of the Indians fell from his horse as lifeless as any wooden Indian in front of an eastern cigar store. Billy modestly admitted there might have been an element of luck in the shot.

But this demonstration of the range and accuracy of the buffalo-hunters' guns had a psychological effect on the Indians. The chief of the Commanches, a half-breed known as Quannah Parker, had been wounded. The Medicine Men opined that the "medicine" was bad. The truth of the matter was that the cost of trying to dislodge the hunters had been too great. The Indians wanted to risk no more such "luck" as the shooting by Billy Dixon and his comrades had demonstrated. It would be easier to pick these hide hunters off one or two at a time on the open range. So the attack was broken off, and some weeks later a troop of U. S. cavalry rode into Adobe Walls without incident.

Although the buffalo-hunters, with their great courage and accurate shooting, won the battle, the Indians accomplished their objective. This no-man's land in the panhandle section of Texas had been shown to be a potential battle field rather than a peaceful hunting ground. Therefore, the settlement at Adobe Walls was abandoned. Soon afterward, Indians set the torch to everything there that would burn. Most of the buffalo hunters in outlying camps reached Dodge City safely.

Years later, the Adobe Walls site became headquarters of the Turkey Track Ranch. This part eventually came into possession of W. J. Coble of Amarillo, Texas, who in 1924 donated ten acres surrounding the battle site to the Panhandle Plains Historical Society. In that year, a monument was unveiled there commemorating the prowess and bravery of those who had fought against such overwhelming odds. It is the only monument, to my knowledge, which has a kind word

for the buffalo hide hunters, a group of men more often reviled than honored.

The reasons behind such a bitter battle as that at Adobe Walls are in themselves unique and spectacular. To understand them fully, we must go back to those days in the early 1800s when our Great Plains area contained the largest concentration of big game animals ever known in the world—even more numerous than the great herds in Africa. There were millions upon millions of buffaloes, some weighing 2000 pounds or more. (Those who like to be precise about these things remind us that this animal is indeed not a buffalo at all, but the American branch of the bison family. But the name best known for this animal, buffalo, seems the more appropriate.)

Once buffaloes had roamed east of the Alleghenies, in the Carolinas and even into western New York. The western limits of their range were the Rocky Mountains. Northern Mexico saw them, and their northern migrations took them into Canada as far as Great Slave Lake.

Increasing population in our eastern and mid-western states drove the buffaloes rapidly westward beyond the Missouri. By the time our great western migration of the 1840s and 1850s got under way, the buffaloes were concentrated in that great natural pasturage area now containing the states of Montana, Wyoming, the Dakotas, Nebraska, Kansas, Colorado, Oklahoma, and parts of New Mexico and Texas. Here the grasses were rich and nutritious even when brown and cured on the stalk.

Close to the buffaloes roamed the various nomadic tribes of Plains Indians. The buffalo was their "super-market," an animal amazingly suited to provide a majority of the Indian's needs. They obtained from the buffalo their food, clothing, and shelter. In contrast to the white man's wasteful practice of using only the hide, tongue, and perhaps a few cuts of the choice meat, the Indians used everything but the grunt. The buffalo



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was to the Indian what the seal is to the Eskimo, or the reindeer to the Laplander.

Robes taken from buffalo cows made the Indian's bed; dressed skins were used to cover the lodges and make many articles of apparel; braided strands of the rawhide made ropes. Thick hide from the bull buffalo's neck was used to make war shields, tough enough to turn a musket ball or an arrow. Boats were made from buffalo hide. The hair made cushions, saddle pads, and even rope. Sinews provided thread and bowstrings. Horns were made into powder-horns, spoons, and other useful implements. Hoofs made glue. Ribs made runners for small dog-drawn sleds. Even the dried excrement, purely vegetable and called "buffalo chips," was used for fuel, and very welcome, too, in the treeless prairies.

As long as the Indian had the buffalo, he could lead the roving kind of life which pleased him best. At first, many Indians had a superstition that buffaloes issued from the earth continually and the supply was inexhaustible. This is perhaps understandable when one vast herd would take five or six days to pass a given spot. For the Indian and for our pioneers on the plains, the buffaloes were an abundant and convenient, untended herd of "frontier cattle." Then came trading posts.

The slaughter of buffaloes for profit rather than personal needs began at the Red River settlement in Manitoba about 1820. Every year, half-breeds and Indians from this settlement headed toward the buffalo range with their two-wheel carts, sometimes numbering as many as five hundred. Yet this Red River onslaught made only a slight dent in the great herds. More serious was the trade that developed along the Missouri and Yellowstone rivers when Indians began to trade quantities of robes and hides for a little watered whisky, sugar, or cheap trinkets.

I have an 1844 inventory of assets in the estate of one of my New York ancestors in

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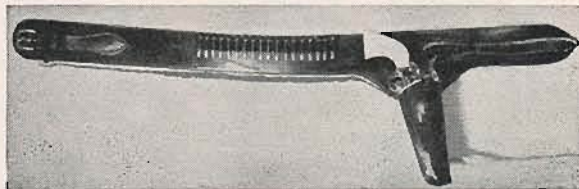
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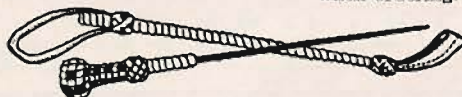
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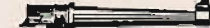
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which, among many odd items, there is listed: "One buffalo robe \$1.00." Even this early, a demand for the warm buffalo robes and coats had been created in the east and mid-west. In 1848, the American Fur Company shipped 110,000 skins into St. Louis. Robes were usually taken from the cows, the skins being lighter than that of the bulls. Various leather products were made from the scraped hides.

About this time, Kit Carson is said to have made a wager that he could kill six buffaloes with six bullets from his muzzle-loading Hawken rifle. On the appointed day, with only the six bullets in his bullet pouch, he set out to win the bet. Placing his shots carefully, he successfully downed six buf-

faloes. As he examined the last animal shot, he noticed a lump under the buffalo's skin. Slitting the skin with his bowie, he picked out the spent lead bullet. Reshaping it a bit, he poured in some powder, forced the lead ball down his rifle barrel, and proceeded to kill another buffalo, thus killing seven buffaloes with six bullets. (You don't believe it? I have always been skeptical about this story, too.)

Until the building of the first transcontinental railroad (1865-69), buffalo hunting as a business had been almost entirely the trade of the Indian. It is said that there were five principal reasons for the decimation of the buffalo—the coming of the horse, which could carry 200 pounds on its back and still outrun the buffalo; the advent of deadly firearms; the military opinion that the buffalo must be destroyed to solve the Indian problem; the spread of cattle ranches into buffalo country; and last but perhaps most important, the building of the railroads.

At first, the buffalo, a dull and rather unintelligent animal which was inclined to stampede blindly, would charge right into trains, sometimes derailling them or holding them up for hours, at the same time giving passengers the dubious "sport" of shooting many of the animals merely to see them drop, like targets in a shooting gallery. Soon, however, these bands of steel and the noisy trains began to mean danger to the buffalo, and the great host, once estimated to number 60 million, was split into a northern and a southern herd.

The building of the railroads meant that robes and hides could be shipped economically to eastern markets. There was an immediate stimulation in the hide hunting trade. Along with the Union Pacific, the Kansas Pacific headed tracks through the heart of buffalo land. In 1867, W. F. "Buffalo Bill" Cody was hired at \$500 a month to supply Kansas Pacific railroad workers with buffalo meat. He is said to have killed over 4,000 buffaloes in the 18 months of his employment. During this time, with great ballyhoo and with excursion trains puffing to the scene, a buffalo shooting match between Billy Comstock and Bill Cody was staged. It was billed as a contest to name the champion buffalo hunter of the world. In an eight-hour period, Cody killed 69 and Comstock 46.

In 1866, Chief Black Kettle of the Cheyennes made an eloquent speech at Fort Harker, asking the government to stop the building of the railroads, as this would leave the Indians to starve. At last the Indians had begun to face the fact that buffaloes did not spring from the ground in endless supply. The intrusion of the railroads and the buffalo hide hunters was beginning to threaten long-enjoyed freedoms of the Indian. The Indians looked with increasingly hostile eyes upon the buffalo hunter. A feeling of desperation gripped the Indians.

The situation was further aggravated when the Atchison, Topeka and Santa Fe railroad, having reached Dodge City and graded a right of way as far as Granada, Colorado, laid off a great number of men. These men must either return east or find work on the frontier. The only profitable pursuit for most of them was hide-hunting, and all who could get together an outfit proceeded to go out on the plains and slaughter the buffaloes.

(To be continued)

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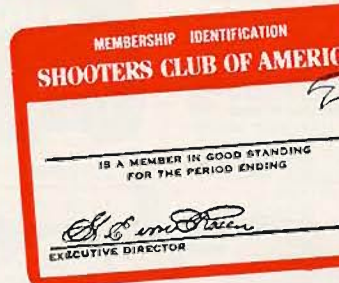
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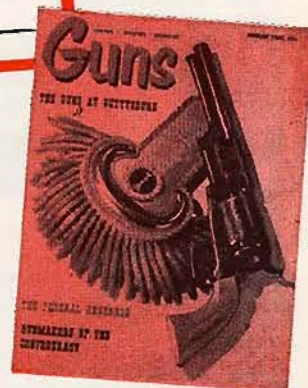
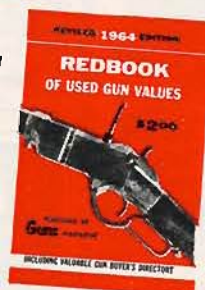
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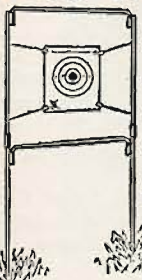
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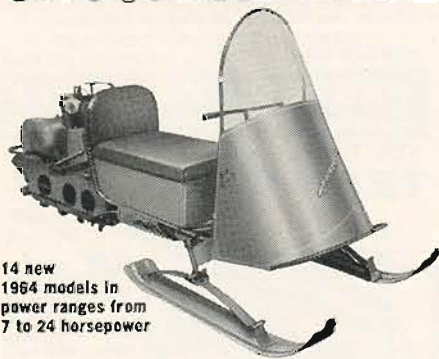
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QUESTIONS AND ANSWERS

(Continued from page 8)

ways that have me greatly confused. It is probably presumptions for me to ask so much of your time, but—

- If such a conversion can be made, what would be your choice?
- Does the "rust" or nitrate salt method produce better bluing?

J. H. Hanlon
Prairie Village, Kansas

There are a number of things to consider when you evaluate any one person's opinion. To begin with, I'm not convinced that we need all of these hot cartridges that we have today. My opinion is that we have these modern rounds because of mercantile competition and the demands of drugstore cowboys who just must have the hottest thing around.

I do a lot of paper punching, but it is no goal in itself. My target efforts are for accuracy so that I may do the best possible humane shot on game with as few rounds as possible and with a minimum loss of game meat.

People have said that I'm old-fashioned, and they point out my collecting urge as proof. Well, could be; but I have yet to see a deer or antelope that can outrun an 8 mm Mauser ball—so why own a hot-shot for that type of shooting?

I agree with Winchester that conversions to the .300 Win. Magnum round are

not sound. For general sporting use, I'd take a Mauser action of a good year over any Enfield or Springfield that was ever made.

2. The bluing is not as important as the man who cleans and cares for his guns. I prefer the older method of rust blue because I like how it looks.

3. Other rounds than the modern hot loads—that have been around for years can do just as good a job on game with the right rifle and loading. If the man is really, truly interested in being successful in the field, I'd suggest that he spend more time stalking, thinking, and practicing with his rifle than worrying about gaining enough dollars so that he can buy some super "magic fire stick" that may or may not make up for his lack of hunting skill—C.B.

No Error

A recent article in GUNS said the Colt Frontier was made with .45 ACP chambering. Is this correct or a typographical error?

N. F. Munger
Richmond, Va.

There were only 44 Single Action Colts that were originally manufactured to handle the .45 ACP cartridge. If Mr. Morrow had one of those original revolvers, he had a rare item.—C.B.

Magnum-ize Your Shotgun



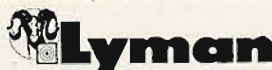
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GUN RACK

(Continued from page 39)

Lachmiller Tools

Jim Bell, president of Lachmiller Engineering Co., Dept. G, 6445 San Fernando Road, Glendale 1, Cal., sent us a whole box of reloading goodies recently. Let's start with metallic ammo.

If you are using GI brass, you'll like the Primer Pocket Swage made by this company. Fitting into any tool with $\frac{7}{8}$ "x14



thread, you can swage 1000 primer pockets in an hour, and this is a chore under normal circumstances. With this tool, the job is made much, much easier. The LEC 400 is a conventional C tool, but there are no provisions for priming the cases. Priming is done on the special priming tool, and the 400 will size, seat bullets, and also swage anything that you can think of. Operating on the down stroke, the 400 is an exceptionally rugged tool, made of special iron that can take a great deal of work without springing. For the 400, Lachmiller offers several #400 swage dies for half jacketed rifle and pistol bullets. This is one of the few C tools that has a primer catcher that works and is removed easily.

Also new with LEC are the Hy-Krome dies. The black oxide finished dies have long been known for their quality, and the chrome plated dies are of the same fine quality and workmanship. A new wrinkle in bullet pullers is the ball bearing job that prevents the collet from turning and marking the bullet.

In the shotshell loading line, we found two items of interest. One is the Shell Saver, the other the LEC Super Jet loader. The Shell Saver full-length-sizes 12, 16, and 20 ga. hulls, including the brass, and also straightens the base wad in the case. The Super Jet loading tool requires the move-

ment of the hulls from station to station by hand in a straight line operation. The shot and powder hoppers work on the conventional powder measure principle of operation, and the handle of the tool comes to a complete stop with each motion. The finished shell is sized on the last operation, thus insuring chambering of the shell, and wad seating pressure is automatic so that no gauge needs to be watched. The tool is available in all gauges, from 10 to .410, including the 28 gauge.

Sierra Bullet News

We recently received samples of the new 110 grain .30 caliber Sierra Carbine bullet. With standard loads, the bullets performed very well in our Universal Firearms carbine, and the special design of the new Sierra bullets assures trouble free feeding of the rounds from the magazine into the chamber. Sand penetration tests showed good bullet performance that puts the carbine into the hunting class.

Savage Magnum Rifles

Last month we reported on the two .22 caliber rifles we had for testing. We recently concluded our tests with the new Model 110 Magnum, and the test gun was chambered for Remington's hot new 7 mm Magnum.

With the Japanese 4X scope that bears the



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G-10

—they are of the same high quality that has distinguished B&L glassware for years. The finish is new and tougher than anything that most of the shooters who have watched some of our tests would believe. The news lies in the price: The scopes are lower priced than the old B&L scopes were, yet their quality has been improved if that was possible.

New too are the mounts, which are somewhat heavier than the old ones, and in one case, the mounts weighed almost as much as the scope itself. But the new mounts have been designed in accordance with the trend to heavier calibers and the concurrent increase in recoil.

We used the Balfor A (4X), the Balvar 5 (2½X to 5X), and the Balvar 8A (2½X to 8X) on several rifles, from caliber .243 right on up to a .308 Norma Magnum and our pet Model 70 Winchester in .375 H&H Magnum. The mounts hold the scope securely, and shifting the scope from rifle to rifle is done easily with the new system. Since the mounts are adjusted rather than the scope, this shifting means that whenever the scope is put on a different rifle, you are still on the setting that you used last time with this gun-scope combination.

Remington Wads

Remington and Peters trap loads have a new wad—the Power Piston plastic wad column that acts not only as wad, but also as shot column protector. Remington submitted a box of these wads and we loaded them,



splitting our hoard with a trap and skeet addict. The Power Piston wads do keep gun barrels much, much cleaner, and they do improve patterns. First the Power Piston wad loads were checked on the patterning

(Continued on page 70)

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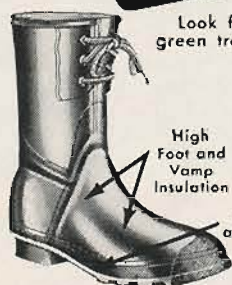
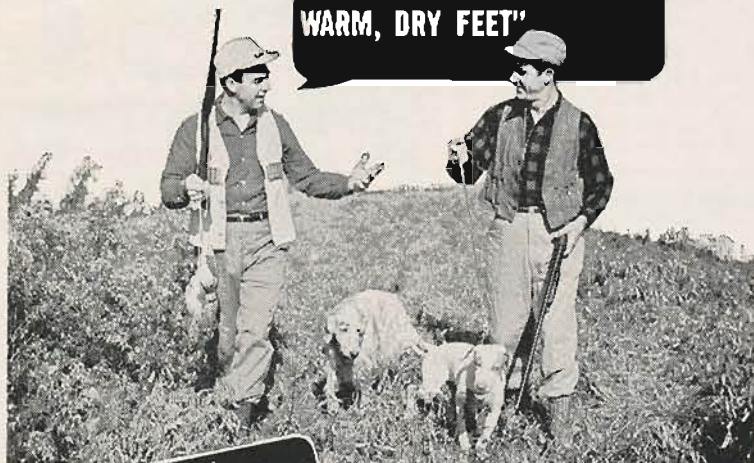
- 1 Proof-tested steel barrel. 12, 20 or .410 gauge.
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- 3 Two white metal bead sights.
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- 5 Five-shot capacity (.410 gauge model holds four).
- 6 Streamlined receiver is highly polished, handsomely decorated.
- 7 Damascened breech bolt.
- 8 Fast, smooth action.
- 9 Brightly plated trigger and safety.
- 10 Safety fire-control. Trigger must be released before each shot.
- 11 Select walnut stock with pistol grip, fluted comb.

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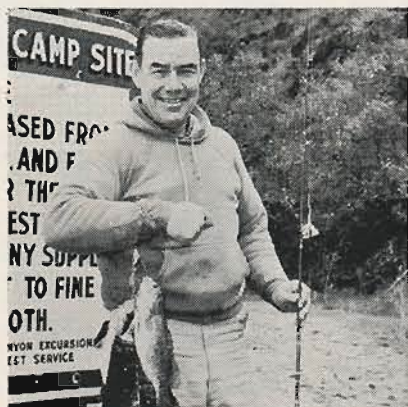


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cascade cartridge, inc.
LEWISTON, IDAHO

(Continued from page 69)

board, and then two boxes of shells with
standard wads and one box with the new
Remington wads were taken to the testing
range. The first box of standard shells pro-
duced a score of 19, the box of Remington
wad loads showed a score of 22, and a repeat
with the standard loads showed a score of
19 again. We painted one of the plastic
wads red, then loaded it to see if we could
spot the drop-away of the wads at 36 inches
as claimed by Remington. You can see it—
and there does appear to be a much greater
shot column protection in shells with this
new wad. We cannot say whether or not the
new wads reduce recoil—Remington claims
that it does since it weighs less than other
wads, but another shooter and I were unable
to detect any difference in recoil—which at
any rate is a minor point. The fact remains
that the wads leave the barrel cleaner and
give a much improved ballistics perform-
ance. Wads will be available for
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ARMS LIBRARY

(Continued from page 10)

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(Originally published by Savage Arms Co., Utica, N. Y., reprinted by L. A. Funk, 9404 Woodland Road, Puyallup, Washington)

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JACK O'CONNOR'S BIG GAME HUNTS

By Jack O'Connor

(E. P. Dutton & Co., Inc., New York, 1963. \$4.95)

This is a careful selection from the articles Jack O'Connor wrote over the years, culled from hunting tales masterfully told by the man who was there. Jack's hunting beat is the world, and in this book he presents some of the most memorable hunts that he participated in. There are hair-raising tales from Africa, hunting dangerous game in India and some wonderful shikar incidents, and there is hunting here at home. Any way you look at this book, you'll like it and it is one of the best collection of hunting tales I have yet encountered.—R.A.S.

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(Reprinted and with editorial notes by Norm Flayderman, Greenwich, Conn., 1963. \$12.50)

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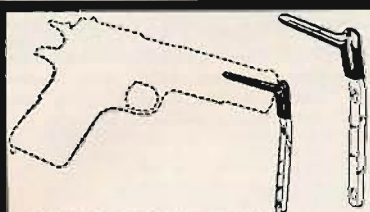
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CROSSFIRE

(Continued from page 15)

Firepower

A lot of letters generate more heat than light, and don't advance the knowledge of the defense problem a great deal. We had the AR15 vs M14 controversy about 22 years ago, in relation to the M1 vs Johnson rifle. The Johnson product suffered from a lack of development, and the M1 had been pretty well worked out at that time. The M1 proved to be a good combat rifle, while the Johnsons that got into combat did fairly well, especially the light machine guns of that type. In 1953, the Chinese Reds were using M1s and Johnson rifles as squad base of fire weapons where auto rifles were lacking.

We must consider that we may fight anywhere from Arctic to tropic areas, and the basic weapons must fire in all these zones. Perhaps in the Arctic you might get quite a few shots at 500 to 600 yards. Here the more powerful 7.62 would show up well. In short range work, as in the tropics, the .223 would be wonderful, especially in close street or jungle fighting. But hark back to WW II. At first, a lot of guys wanted to carry Tommy guns, because of rate of fire and capacity. The first time they tried to get a Jap on the other side of a thick barrier, they found one drawback. That is why the BAR got such a play: magazine capacity, auto fire, and penetration. You do not always find the enemy on the other side of a cardboard panel.

One inelegant phrase that adds up says that firepower is bullets hitting people. Misses don't count. Back in 1952, quite a few of the Chinese mass charges were cut down by use of artillery and Quad 50s. The Quads could lay out accurate fire quite a ways out, and drill several with one round. That's firepower. Later on, and I can vouch only for 45th Division, the .50s were used for harrassing and interdicting fire. This meant laying by map and quadrant on suspected enemy areas, firing without observation, and claiming X many Chinese got hurt. I suspect after the first million round barrage, the Reds just holed up in that area and laughed at the stupid big-noses

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threw their money away. That is rate of
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The year I misspent in Korea was mostly
done at ammunition supply. With the weap-
ons we had, the ammo used was staggering.
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rpm weapon with 500 round belt, he would
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on tap. Where would we get the fodder for
all them jackasses?

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send a pair of M1 shooters to compete on a
rapid fire match. Those who have seen the
clay pigeon phase will get this. The .30s go
thru without breaking, but the old lead
punkins shatter with a touch. So my part-
ner and I did a bit of advance work. We
found where to aim, zeroed for that hold,
and fired as fast as we could lay them out.
We won, too. I think we were the first peo-
ple with modern arms to do it. It required
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INDEX TO ADVERTISERS

GUNS and AMMUNITION

ABERCROMBIE & FITCH CO.	64
ATLAS ARMS, INC.	45
BADGER SHOOTERS SUPPLY	74
BROWNING ARMS COMPANY	3, 74
CASCADE CARTRIDGE, INC.	70
CENTENNIAL ARMS	56
COLT'S PATENT FIRE ARMS MFG. CO.	Cover IV
EUROPA CORP.	67
NORM FLAYDERMAN ANTIQUE ARMS	65
GLOBAL TRADING CORP.	66, 71
GREAT WESTERN ARMS CO.	67, 73
HARRINGTON & RICHARDSON	41
HIGH STANDARD MFG. CO.	10
HORNADY MFG. CO.	53
HUNTERS LODGE	12, 13, 14
KLEIN'S SPORTING GOODS CO., INC.	43
S. E. LASZLO	44
MARLIN FIREARMS CO.	(Catalog enclosed)
MUSEUM OF HISTORICAL ARMS	65
NOBLE MFG. CO.	52
NORMA PRECISION	50
NOSLER PARTITION BULLET	41, 56
NUMRICH ARMS	59
PARKER DISTRIBUTORS	60
PENDLETON GUN SHOP	71
POTOMAC ARMS	61
PUBLIC SPORT SHOPS	61
REMINGTON ARMS COMPANY	Cover III
RICHLAND ARMS CORP.	61
SAVAGE ARMS CORP.	19, 69
SEAPORT TRADERS	67
SERVICE ARMAMENT CORP.	4
SHERIDAN PRODUCTS, INC.	62
SLOAN'S SPORTING GOODS	64, 73
SPEER PRODUCTS CO.	42
STURM, RUGER & CO.	Cover II
TEXAS GUN CLINIC	67
TRADEWINDS, INC.	64
WEATHERBY	7

HANDLOADING EQUIPMENT

C-H DIE & MFG. CO.	16
CARBIDE DIE & MFG. CO.	72
FORDWAD, INC.	51

HERTER'S, INC.	39
LEE CUSTOM ENGINEERING, INC.	46
LYMAN GUN SIGHT CORP.	37
R.C.B.S.	45
REDDING-HUNTER, INC.	18
STAR MACHINE WORKS	64
R. F. WELLS, INC.	71

HOLSTERS, CASES, CABINETS

BIANCHI HOLSTERS	73
COLADONATO BROTHERS	70
DON HUME LEATHERGOODS	69
S. D. MYRES SADDLE CO.	64
TANDY LEATHER CO.	71
WHITCO	61

SCOPES and SIGHTS

AMERICAN MARKETING CO.	73
BAUSCH & LOMB, INC.	9
CRITERION COMPANY	65
LEUPOLD & STEVENS INSTRUMENTS	49
LYMAN GUN SIGHT CORP.	57
MARBLE ARMS CORP.	44
REDFIELD GUN SIGHT CO.	17
SAVAGE ARMS CORP.	15
TRADEWINDS, INC.	64
W. R. WEAVER CO.	54

STOCKS and GRIPS

E. C. BISHOP & SON, INC.	73
C. D. CAHOON	64
CONTOUR GRIP CO.	65
CREST CARVING	65
FITZ GRIPS	62
BOB FRIELICH	67
HERRETT'S STOCKS	65
ROYAL ARMS	68
SPORTS, INC.	55

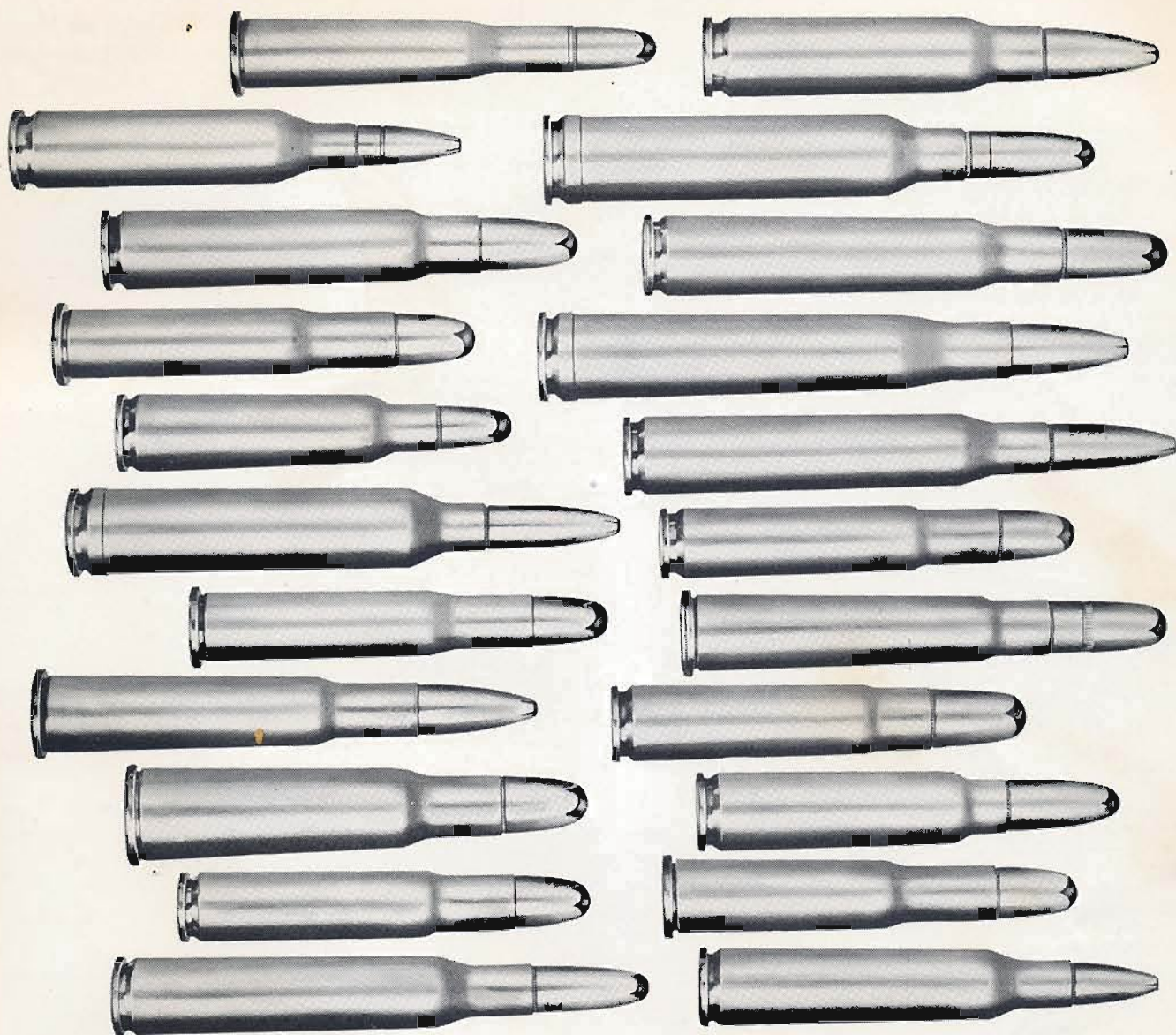
TOOLS and ACCESSORIES

BECKELHYMER'S	39
GEORGE BROTHERS	68
THE BULLET POUCH	65
CRAFT INDUSTRIES	71
DARE ENTERPRISES	65
FEDERAL INSTRUMENT CORP.	55
FLAIG'S	66

JAY'S GUN 'N LEATHER SHOP	70
JET-AER CORP.	69
MILL RUN PRODUCTS CO.	51
FRANK MITTERMEIER, INC.	58
NEW METHOD MFG. CO.	71
RADIATOR SPECIALTY CO.	65

MISCELLANEOUS

ARMSTRONG CIRCLE TOURS	50
AUSTIN BOOT CO.	64
EDDIE BAUER	8, 65
L. L. BEAN, INC.	40
BURNHAM BROS.	58
STAN DE TREVILLE	71
G. R. DOUGLAS CO., INC.	40
EDWARDS-BARNES CAST PDTS.	65
FAULK'S CALL CO.	44
GUN DIGEST	11
IDAHO LAND CORP.	60
KASENIT CO.	69
THE GEO. LAWRENCE CO.	58
THE LEONARD CORP.	39
LYMAN GUN SIGHT CORP.	66
MERSON CO.	47
MITCHELL SHOOTING GLASSES	72
NATIONAL RIFLE ASSOCIATION	68
OUTERS LABORATORIES, INC.	62
PACHMAYR GUN WORKS	45
PENNSYLVANIA GUNSMITH SCHOOL	72
POLARIS INDUSTRIES	66
THE POLY-CHOKE CO., INC.	73
HOMER POWLEY	70
PRODUCT MASTERS MFG. CO.	65
PUBLIC SPORT SHOPS	65
RAY RILING	69
SAN ANGELO DIE CASTING CO.	73
SERVUS RUBBER CO.	70
SHOOTERS CLUB OF AMERICA	63
SHOTGUN NEWS	69
SIGMA ENGINEERING CO.	65
STACKPOLE COMPANY	48
STOEGER ARMS CORP.	55
TEXAS PLATERS SUPPLY CO.	51
TRIUS PRODUCTS	64
WESTERN CUTLERY CO.	64
WESTLY PRODUCTS, INC.	74



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