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Guns

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A Test Report

**GUNS FOR
SELF-DEFENSE**

COLT vs: ADAMS

**THE GUNS OF
PANCHO VILLA**



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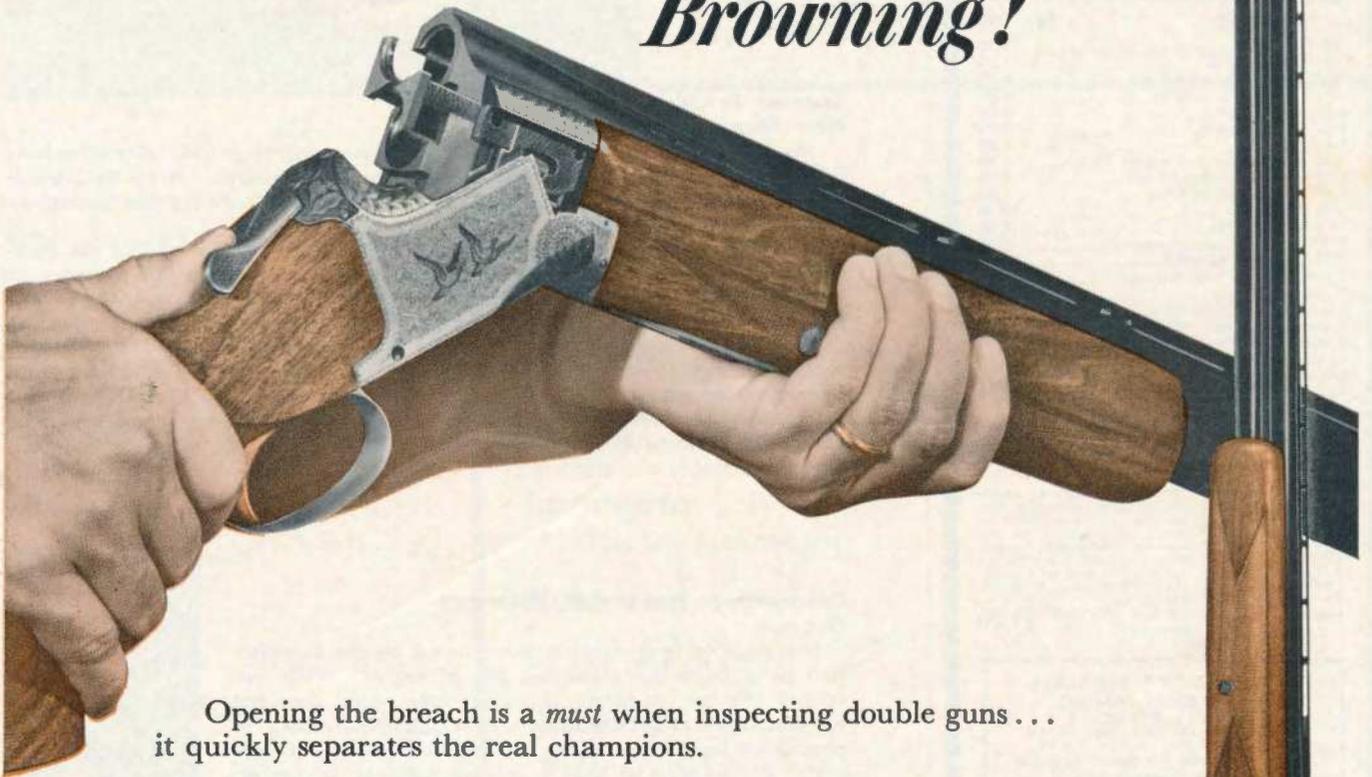
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Remington 

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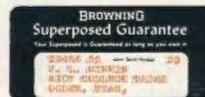


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KNOW YOUR LAWMAKERS

**Senator Joseph M. Montoya
 New Mexico**

The Senate Subcommittee on Juvenile Delinquency has held several weeks of hearings and has resumed hearings on this legislation. Firearms legislation is pending before the House Ways and Means Committee and no action has as yet been scheduled.

I have every confidence that because of the depth and scope of the testimony being presented, there will be many changes made in this measure as introduced. Of course, I cannot at this time predict what these changes will be or what provisions will be included in the final version.

I do want you to know that I would be opposed to any legislation which would infringe in any way upon the right of American citizens to keep and bear arms as guaranteed in the Second Amendment to the Constitution.

You can be assured that the reported measure will be given my most careful and thorough study and that I will do everything possible to insure that these rights are protected.

**Congressman Howard H. Callaway
 Georgia**

The right to bear arms is guaranteed by the Constitution as part of our treasured Bill of Rights. While we cannot tolerate its abuse, we must take equal care not to undermine this Constitutional right. Therefore, in proposing legislation to control the abusive use of firearms, Congress must seek a proper balance to protect the rights of the law-abiding citizen.



**Senator Paul J. Fannin
 Arizona**



As one whose entire career in public service has been based on a strong belief in constitutional government, I believe the Second Amendment means exactly what it says—the right of the people to keep and bear arms shall not be infringed.

This has been my position with respect to the legislation currently pending in the Congress and I am enclosing a copy of my testimony on S. 1592 for your information. You may be interested to know that my office has received several thousand letters supporting my position on this issue.

**Frank B. Morrison
 Governor, Nebraska**

Here in Nebraska we regard the lawful use and ownership of firearms as important, a vital part of our heritage. We believe that attempts to weaken and corrode the intent our founding fathers gave the Second Amendment are not wise or proper. The thrust of any firearms legislation should be to control and penalize criminal misuse of firearms, not to restrict and harass law-abiding gun owners.

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

Guns

FINEST IN THE FIREARMS FIELD

OCTOBER, 1965

Vol. XI, No. 10-130

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THE COVER

The two new center fire rifles on our cover are the Ultra autoloader (top) and the Ultra bolt action, recently introduced by Harrington & Richardson. The automatic was not available for testing as we went to press, but Bob Steindler gives his report of the field test of the bolt action model on page 28. A field test report on the auto will follow soon.

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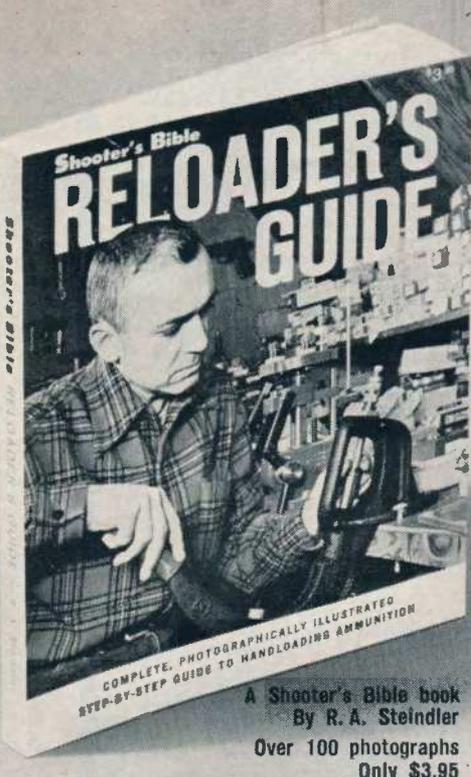
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Dating Air Pistol

While enjoying Mr. Charles article on Historic Air Guns (June, 1965), I would suggest that the dating of 1780 on the air pistol may not be correct. Your photo of the silver hall marks would indicate a date of either 1790 or 1810. The style of the weapon would be more in keeping with the 1810 period. Close study of the silver hall mark should enable Mr. Charles to accurately date the pistol and add one more solid fact to his interesting story.

Alan Lever
Vancouver, B. C.

Young Dove Hunter

I would like to say that the article "Doves Are A Cinch" in your August issue of GUNS is the most hilarious and best written story on the innocent looking but wily dove I have ever read. Mr. Tinsley must be a brilliant person besides a dove hunter to compose this story.

I am a dove hunter of six years (age 14) and I compliment Mr. Tinsley. We have three Weimarans who are excellent for retrieving doves in thorn patches, water, hillsides, highgrass, fields, etc. It's a sure retrieve with the Weimarans—provided the hunter hits the bird.

Many thanks for a wonderful magazine, we look forward to every issue.

Steven Mark Brown
Dallas, Texas

A Pro-Gun Bill

On April 20, 1965, State Senator Richard D. Riley introduced into the New Hampshire Senate, Bill No. 81. This bill would establish a state rifle range and park facility which would be suitable for military and civilian rifle practice. If established this facility would greatly help the existing state hunter safety training program.

I think that in these days, when restrictive firearms legislation seems to be the "in" thing, Senator Riley should be congratulated on his act of doing something for the shooters of his state beside trying to take their guns away or preventing them from using or buying firearms. I'm not from New Hampshire, but news such as this makes me think that this state has some fine progressive legislators. If I am right, the bill will pass; if I'm wrong, it will fail.

Jenkins Porter
Owens, Kansas

Askins A Fake?

Colonel Charles Askins' article, "The Over-Rated .44 Magnum," (GUNS) July 1965) reminded me of another article I read some time ago. It appeared in the 1957 issue of the "Gun Digest" and was also written by a famous pistol champion. However, this firearms expert completely disagreed with the opinions of Colonel Askins as expressed in your magazine. He was of the opinion that the .44 Magnum was an excellent weapon, that it was "a man's sixgun."

This writer gave the .44 Magnum a thorough firing test. He concluded that the recoil was "nothing more than stimulating," and flatly stated that only men with "lace on their panties" would be afraid to shoot it. Concerning accuracy, he said that "Despite its three pound weight the Magnum is easy to hold and the crisp trigger pull makes 10 panning easy." This writer described the .44 Magnum as a "hunter's gun for sure," praised its penetration, and, in short, recommended it without reservation. Who was this man with the temerity to contradict the opinion of the famous Colonel Charles Askins? He was none other than the much over-rated . . . Colonel Charles Askins.

I have never fired a .44 Magnum and therefore have no opinion concerning it. However, after reading both of Colonel Askins' articles I have come to the conclusion that Colonel Charles Askins is a fake.

Philip Bauso
Flushing, New York

My dear Mr. Bauso:

I enjoyed your letter very much. I appreciate fans like yourself who are close readers of my copy. I'll bet you have every one of my stories since the first one. If you have you'll find that I used to recommend the flintlock. But I don't anymore. A while after the muzzleloaders went out of fashion I recommended the old .30-06. But I don't anymore. Then along came the .44 Magnum and I thought pretty well of it at first. But I don't anymore.

I changed my mind. In the case of the .44 I tried it pretty thoroughly after I wrote it up in the 1957 issue of the "Gun Digest" and I decided my first judgment was pretty sour.

I am immensely flattered that you read after me so closely. If you'll just keep it up you'll catch me off base again one of these days. I am sure you have heard that old saying "Wise men change their minds, fools never do"

—Colonel Charles Askins

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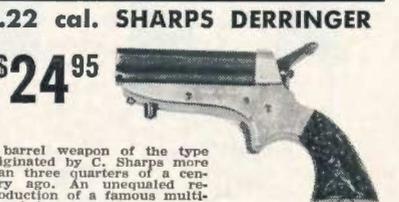
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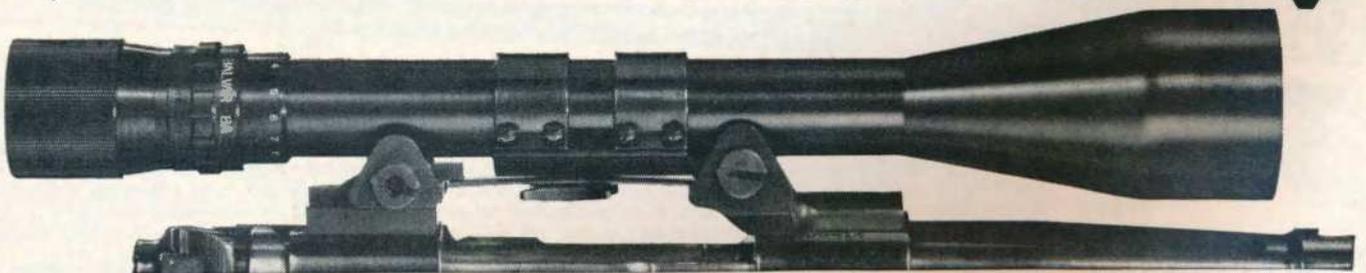
Not that you would want to swim under water with one of these fine scopes, but we did. We wanted to illustrate that the new scope line will give you top performance under roughest field conditions. We not only soaked them . . . we slammed, froze, jarred, scraped and dropped them. They performed beautifully after all this torture.

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Panel of Experts

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

Neumann Shotgun

I recently acquired a 12 gauge double barrel hammer shotgun. On the left side of the breech is the name "Neumann Bros." On the right side is "Machine Made," and on the rib is "Belgium Laminated Steel." I would like any information, including value, that you may have on this gun.

Floyd Foster
Wendell Depot, Miss.

The Neumann Bros. guns were made in Belgium. Yours is a black powder gun which is not safe to shoot with modern ammo., and if you decide to fire it, have a gunsmith check it first with black powder loads. The gun has no collector's value; store value is \$5-10.—P.T.H.

Loads For A Model 92

I have a M1892 Winchester, caliber .32-20 which I handload for. I have no problems until I try to get jacketed bullets. So, how about using .30 cal. Speer Plinkers? Will I suffer any loss in accuracy, velocity, etc.?

Secondly, can I use Speer or Hornady half-jacket .44 bullets in the .44-40 rifle?

John Yuskaitis
Brockton, Mass.

A .32-20 M92 is far more potent and accurate with Speer's 100 gr. Plinker than with factory bullets, although .003" smaller. Accuracy is due to a softer jacket that fully fills the grooves and a base radius that reduces rifling fms. 12.6 gr. 4227 and CCI 400 primers gives 1717 fps, compared to 1261 fps for a 100 gr. factory load.

A .44-40 M92 is far more potent and accurate with Speer's 225 gr. long jacketed Hollow Point than with factory bullets, that run

.424 to 427 diameter, while the Speer is a correct 429. We like 20.0 to 22.5 gr. 2400 with CCI 350 Magnum primers. We haven't chronographed these loads, but they are quite adequate.

Both Speer bullets eliminate the possibility of the bullet base and core shooting through the jacket wall and leaving the jacket wall in the bore, as has happened with factory loads in both calibers. I believe our loads were the first developed with these bullets for both cartridges. They are for M92 rifles only, not revolvers.—K.B.

Colt Conversion

I have a Colt revolver with part brass frame, octagon barrel, rosewood grips, and it is in .36 caliber. The cylinder has a scene of a Wells Fargo holdup. It is single action, and rim fire. The serial number 20024 matches on all parts. The cylinder is stamped Colts Patent No. 606. The gun is in perfect condition, inside and out. How old is it and how much is it worth?

Eugene Schmeling
Menomonee Falls, Wisc.

Your revolver is the "Colt New Model Pocket Pistol of Navy Caliber." Length 9½", bbl. length 4½", caliber .36, rebated round cylinder, stagecoach holdup engraved on cylinder, octagonal barrel, triggerguard & backstrap of brass, and weight 1 lb., 9oz.

If the above holds true for your gun, and it is in rim fire as you state, it is a converted percussion revolver to metallic cartridge. The type of conversion can be only told by a photo or drawing from you. In percussion, this model was made from 1861-1872. If it is a rim fire, it was probably converted in about 1872. As to value, I cannot give you a idea without being sure as to what you really have.—R.M.

Lahti Pistol

I would appreciate it if you could give me some information on the Model 1940 Lahti pistol in 9 mm. Is it a safe and reliable handgun? Is a Lahti equal to, or better than a Luger—investment wise?

Douglas Saleen
San Gabriel, California

The Lahti is a very poorly designed gun; among other defects, "stab-cuts" are employed to affix springs to frames and some models have the main spring permanently

(Continued on page 60)

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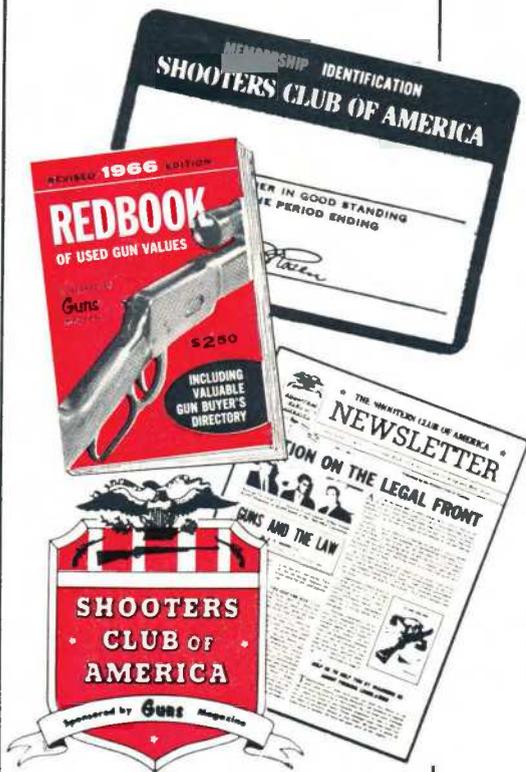
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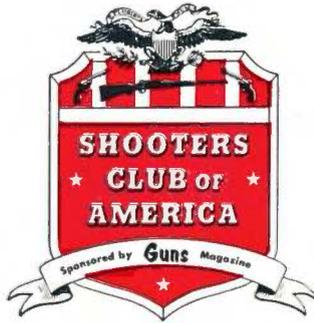
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NEWS from the SHOOTERS CLUB OF AMERICA

In his statement to the Dodd Committee as the representative of the S.C.A. and GUNS Magazine, E. B. Mann reminded Sen. Dodd that both organizations had once supported the avowed aims of the Senator in regard to firearms. Amplifying this statement, Mr. Mann showed that the Senator's Staff Director had originally welcomed our council and stated Senator Dodd's position in the following terms: "I should like to thank you for your cooperation and for giving so freely of your time and knowledge in assisting us in formulating legislation that will correct an acknowledged evil without infringing on the rights of legitimate gun owners and sportsmen."

Mr. Mann's statement to the Committee traced a decided change in Sen. Dodd's approach to firearms legislation, and clearly showed how he has strayed far from his original objective -- which had been represented as: "It is the opinion of the subcommittee that the relatively cheap mail-order pistols and revolvers are the ones most often found in the possession of juvenile gangsters . . . The object of the proposed bill . . . is, therefore, an attempt to close a loophole through which guns are available to undesirables."

How far Sen. Dodd has now deviated from this position is obvious. One need only compare the statements he now makes with this solution, offered by the Senator himself, after an earlier investigation: "The Committee will recommend that every community in America instigate and support an active junior training program." This was a remarkable advance in the thinking of a man concerned with gun legislation, one which was arrived at with the assistance of the S.C.A. and GUNS Magazine.

Unfortunately, Sen. Dodd did not choose to continue along this high-road of advanced thought, and thus he has long forfeited our support. In his statement before the Dodd Committee, Mr. Mann expressed our opposition in these terms: "We believe that the present seemingly insoluble opposition of forces regarding Federal Firearms Legislation is unnecessary, that it arises almost entirely from the failure of S. 1592 to reflect the avowed aims and purposes of this committee and from the failure of the publicity arising from these hearings to reflect the urgent desire of the firearms industry and shooting sportsmen to support the aims and purposes for which this legislation is intended." Our statement was outspoken and did not pull any punches, but it was not irresponsible. Though some other witnesses and statements offered only inflammatory criticism or abject surrender, Mr. Mann attempted to shift the present debate from a partisan wrangle onto a rational level.

This statement of background and future objectives should be required reading for everyone concerned with the future of the shooting sports. It provides information which is not available anywhere else -- and surely the good Senator will not make it public! Because of its importance, this statement will be published in full as part of the upcoming S.C.A. Legislative Report. To be sure you get your copy, join the S.C.A. right now. In addition to all the benefits listed at the left, you will obtain the satisfaction of helping us to help you retain your right to own and enjoy firearms!

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tion than you have ever seen before in a .22 autoloader. The new 10-shot rotary magazine stays reliable because it has feed lips of solid alloy steel. Handsome appearance, including an oil-finished, solid walnut stock, is a bonus extra. Weight is 5 pounds. Price: \$54.50.

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Remington's .22-250

The Model 700 was an almost instant success. The somewhat improved Model 700, introduced to gun editors in November of last year, has a tougher wood finish. This process, known as RKW, is a super-secret DuPont process, and the finish on the M 700 stocks resembles that seen on bowling balls. Since a great many shooters never use the iron sights, Remington now installs the rear and front sight with screws that make it possible to remove the sights completely. Filler screws for the sight mounting holes come with the gun, and several calibers are now offered with 22 inch barrels.

Ted McCawley shipped us a M700 in the BDL grade, and as far as I am concerned, the few extra bucks you pay for the BDL grade are well worth the investment. The impressed checkering is somewhat fancier, but the important features are the sling swivels and the magazine floor plate that makes it possible to remove ammo speedily and easily. The BDL grade also has a pistol grip cap and fore-end tip.

The .22-250 has a 24 inch barrel, is available as ADL and BDL, and Mike Walker will of course make up a custom gun for you in this caliber in his Ilion custom shop. Our gun had an excellent trigger pull without creep or backlash, and the trigger broke just a hair over 4 pounds. After mounting a Leupold Vari-X 3X-9X scope in Leupold blocks and rings, and after collimating, we adjourned to the range.

Our first few shots to check functioning and to check the scope's zero were fired at the 100 yard target and no effort was made to hold for accuracy. I simply placed the crosshairs on the target and let her rip. While doing this preliminary shooting, a south breeze sprung up, and by the time new targets were mounted, gusts shifted from south to west, from there to the south again, then to the east. Our wind gauge showed velocities from 2-20 mph, and all hopes for any sort of accuracy shooting were abandoned that morning since it was not conceivable that the 55 gr. bullet from Remington's factory ammo could buck that kind of gusty wind too well. The original targets, consisting of three and five shot strings, varied between 0.70 and 1.125 inches—excellent accuracy for a factory rifle without any attempted tuning.

Later that afternoon, when the wind had died down somewhat, the .22-250 was fired

for the record, and 10 five-shot groups averaged less than one inch. At 200 yards, with three and five shot strings, accuracy was equally as excellent, with the best group measuring 1.75 inches and the worst group spreading to just over 2.1 inches. With handloads, accuracy did not improve markedly, although specially developed loads might shrink the groups somewhat. It would be interesting to see what sort of groups a M700 with a heavy barrel might give, providing of course that all other variables such as stock and bedding, remain identical. If you are among the many shooters who have long looked at the .22-250 and if you have been steering clear of a gun in this caliber because of the costs involved in building a custom rifle, the Model 700 should fill the bill very nicely. Currently, I am cooking up some special handloads and am anxious to see if those loads will be any better than the Remington factory loads.

Eagle Dies

This is a new company, making at the present only loading dies, but from what we have been told, there are some newly designed handloading tools forthcoming. Eagle



Products Co., 9666G Remer Street, So. El Monte, Cal., offers some worthwhile ideas in their dies. First of all, the dies are clearly marked and the markings are in white! That means that you don't have to squint, turn and tip the dies, to see if you have the right caliber. The dies, called "Super Perma

Lube" are well finished, and this finish is claimed to prevent rust. Moreover, the die lubricant, not only their own Eagle Blood as well as other lubes that I tried with the dies after thoroughly cleaning them of Eagle Blood, appears to be worked into the finish through use, and several cases which were not lubed and which would normally stick in dies, did not stick in these Eagle dies. Die finishes, internally and externally are guaranteed against wear and flaking off. Retail price for all calibers, rifle or pistol, is \$13.50, and the dies fit all standard loading tools.

The locking ring of the dies require a small screwdriver, and the sizing die is for full length sizing only. Seater dies do not crimp unless the die is marked so, and neck sizing dies are so marked. The plastic box is a boon in storing dies and since the plastic is clear, it makes it a cinch to see what is in the box. Also furnished with the dies is a hanging bracket for the dies for those who like to mount the dies on the wall or on the edge of the shelves.

Winchester M 1200 Trap Gun

The Model 1200 Trap gun underwent some extensive tests on our range during the early part of the summer. Essentially identical to the field grade gun, the trap model features a much straighter stock, a fully ventilated and floating rib, and a 30 inch barrel. Stock dimensions are: length of pull 14 $\frac{3}{4}$ inches, drop at comb 1 $\frac{1}{2}$ "", drop at heel 1 $\frac{1}{2}$ ". With the Monte Carlo stock (\$10 more; standard trap grade \$184.95), the drop at the Monte Carlo is 1 $\frac{1}{2}$ inches.

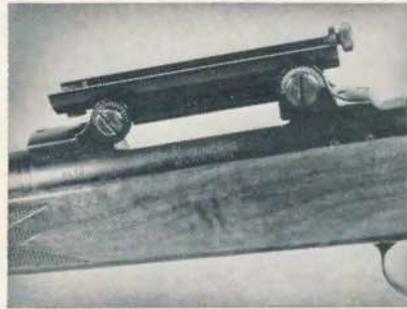
In testing the gun, we used Double A loads, various other brands of trap loads, as well as reloads, and in over 300 rounds, there was no malfunction of any kind. Stock finish and bluing is good, and the safety functioned well. The stock on the trap grade gun was a bit high and a whisker too long for me, but another shooter with about the same trap average as is listed behind my name, felt that the fit of the 1200 was even better than that of his own trap gun that has been extensively customized. Our staff gunsmith, Paul Haberly, tells us that the stock design of the 1200 trap gun is such that customers can have a great many alterations made on the stock without a great deal of trouble; this means that the stock design on the trap grade gun is, for that reason, one of the best on the market. The trap guns and the skeet gun have a center as well as a muzzle beads for better sighting. Since the stock was somewhat too high for me, I found that I had to rely on the front bead, but had the stock been altered to fit me, it seems certain that the extra bead would have been of considerable help.

Kuharsky News

Tom Kuharsky of Kuharsky Bros., Inc., Dept. G, 2425 West 12th St., Erie, Pa., 16505, recently shipped us two new items, both of them real dandies. When B&L went to the new type clamp ring assembly, there was considerable moaning and groaning. The new rings were heavier, were not as easily assembled, and getting one off a mount was not as easily done as with the old

plunger type assembly, especially when the wing screw had been tightened too well. Kuharsky now offers a modified "old" style B&L clamp ring assembly that is much improved and with the Kuharsky base, we tried it out on our Remington Model 600 .350 Magnum which, with considerable recoil, is a pretty good test to see how well a mount-ring combination will hold up. The Kuharsky combination held up very well, there was no scope set-back thanks to the new adhesive tape on the rings, and removing the scope and re-mounting was as easy as chambering a round of ammo in the gun.

Also improved, and vastly so, is the Kuharsky Auxiliary sight. This sight, com-



plete with the same plunger-type arrangement as the scope rings, combines a peep sight and a fully adjustable front sight in the form of a post. Since more and more factory guns either lack sights or have a rear sight that is so high that it must be removed for low scope mounting, the Kuharsky Auxiliary sight, when used in conjunction with a B&L or Kuharsky mount, gives the rifle greater versatility. Slip off the scope, slip on the sight, target it for 50 yards, and your scope-sighted rifle has become a close range brush rifle. On the .350 Remington Magnum, this is an unbeatable combination, the scope being used for the longer ranges, the Auxiliary sight for short ranges in brushy country.

Removing Linseed Oil

Bill Schumaker, Colville, Washington, gunsmith and contributor to GUNS Magazine, offers some advice for those who want to remove linseed oil from gunstocks. If the oil is not completely removed from the pores of the wood, the resin type finishes won't stick. The oil keeps oozing out and that spells the end of the new finish. He suggests storing the stock near a source of warmth. This will drive some of the oil out of the wood. Using Fuller Brush Re-Nu No. 8514, Bill soaks the wood with it, then washes the stock with water. This, of course, raises the grain of the wood and the stock has to be sanded, but a few treatments like that usually do the trick. Since Re-Nu will cut all of the currently made stock finishes, be careful with it—wash brushes and hands well, keep your bench clean. Thanks, Bill, this tip will help!

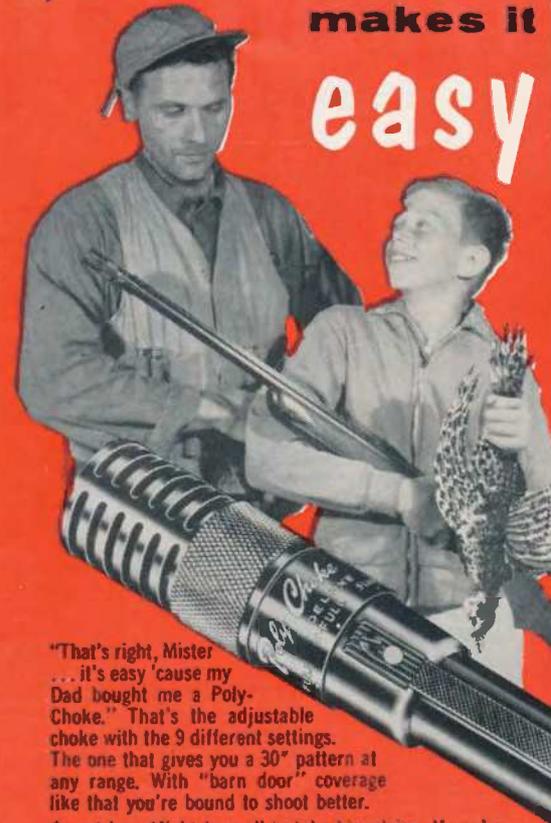
New and Used Books

Recently, we received two book lists from Paul J. Drabek, and both of them listed titles that we had been looking for. If you write Paul, 2886G, Roosevelt Ave., Bronx 65, N.Y., he'll send you the current lists.

(Continued on page 54)

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HANDLOADING BENCH

By KENT BELLAH



THE .22-250, CREATED as the Gebby Varminter, has long been one of the finest wildcats. Ballistics approach those of the .220 Swift, which is on the way out. The better designed .22-250 that has many advantages over the Swift, has a new lease on life in Remington's fine factory cartridge. Many shooters had considered it the finest .22 Hi-V hot-shot, due to untempermental bench rest accuracy. Part of the fine reputation was due to the fact that only custom rifles were available.

I've seen some lousy "custom" rifles with beautiful wood and blued metal, and some that were far better than factory models. Most .22-250 fans wanted accuracy only, in precision bench rest or heavy varmint pieces. Most of them wouldn't accept a dressed-up, clobbered-up piece, but insisted on fine workmanship. They generally handloaded with Tender Loving Care. Even a .30-30 carbine would shoot tight groups under these conditions!

The .22-250 became a symbol of accuracy. Remington wisely, but late, put the cartridge in formal production. They are holding the factory load to better accuracy than the usual big game loads. I'd much rather have the case than to form it from the .250-3000 Savage, although forming is simply sizing in the .22-250 sizer. Remington and Browning production rifles are excellent. The average guy doesn't need a custom job. The R-P round fits the majority of custom pieces, although some clobbered-up jobs won't take it. Check a round for chambering before you stock up on factory ammo if you own a custom rifle.

Loads for the .22-250 won't quite equal .220 Swift ballistics, but they have about all the velocity you can use in the field in a .22. One writer called the old Swift a "600 yard varmint cartridge." Perhaps he measured the maximum effective range with a yardstick that gremlins had cut to 18 inches! Half his figure is about all any .22 will do consistently, under good conditions of wind and mirage. On the Texas prairie, where the wild winds blow, the Swift or .22-250 is doing darn good to get out to an honest 250 yards on jackrabbits, crows, or prairie dogs. Wind deflection causes more misses at that range and beyond than bullet drop, a fact many people overlook.

That's where the .243 and 6mm perform better on small game, and they roll coyotes

more consistently. Coyotes are tough little critters, although they are easier to hit than smaller stuff. A good many have run away being hit with a hot-shot .22 at 300 yards or more, while a slightly less accurate 6mm would have slapped 'em down for keeps. Of course a hot .22 will stop one in his tracks at 400 yards or so occasionally, but don't bet on it. No 400 yard varmint is an even bet with any rifle, despite the long range hits we hear so much about.

If you fire enough shots you'll hit a few large or small animals at 500 to 600 yards or more with most any rifle, since even a .22 Short has longer maximum range. Of course a few animals are killed at extreme ranges, but it isn't sporting to shoot at longer range than you can place a bit well, and where the bullet has adequate expansion for a clean kill.

Varminter or .22-250 cases stretch little, require trimming less often. My old Swift load, Speer's 55 gr. pill with 37.0 gr. 4064 at 3619 fps is more efficient in a .22-250 at 3758. Leon Morse, Elton Teague and I got $\frac{1}{4}$ minute of angle tighter groups with 37.0 or 36.0 gr. of RelodeR No. 21 in .22-250 Remington rifles. The new Hercules RelodeR powders are all excellent. Accuracy is superb. Lighter charges increase the rather short bore life of .22 hot-shots. Cut our charge to 34.0 gr. and it still holds accuracy with adequate varmint velocity.

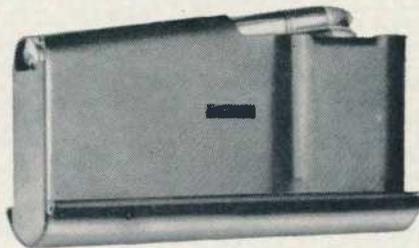
There is no chance of the "improbable phenomena" of greatly excessive pressure with reduced charges of Hercules double-base powders. RelodeR numbers are chemically similar, but greatly improved over the dependable old HiVel, long used in the famous International Match load. Like HiVel, many $\frac{3}{4}$ charges shoot beautifully. That means full charges reduced 25%, which I don't advise with slow single-base powders.

A maximum .38 Special charge is 12.0 gr. 2400. A $\frac{3}{4}$ charge, 9.0 gr., still has accuracy. A top charge of Unique is 6.0 gr., and accuracy is good with down to a $\frac{3}{4}$ charge, or 4.5 gr. A full charge of Bullseye is 3.6 gr., while a $\frac{3}{4}$ charge, 2.7 gr., is the most accurate 50 yard load. Even a $\frac{1}{2}$ charge works for indoor use. I've bagged a boxcar load of varmints with 3.0 gr. Bullseye, that has deadly accuracy to 75 yards or more. If more people used this load, varmint bags would be larger and fewer shots fired.

(Continued on page 16)



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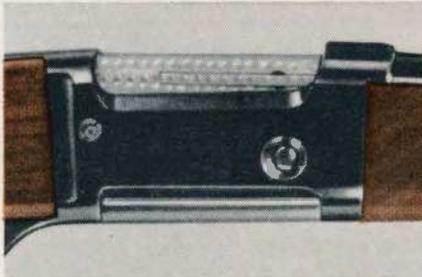
And even though it's one of the great rifles, it won't cost you a small fortune.

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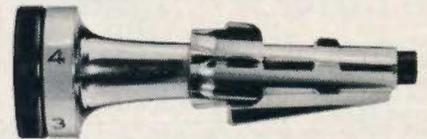
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The 99-C comes in 243 and 308 Win. (4-shot magazine) and in 284 Win. (3-shot magazine) for only \$134.50.

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OUR MAN IN WASHINGTON



CARL WOLFF

HOUSE HEARINGS ON GUN BILLS

The Administration, with its gun bills all but knocked into oblivion during public hearings held by the House Ways and Means Committee, may abandon its harsh measure. First came promises of several amendments during the first day of the review. Then a major compromise effort developed between the Administration and some of the different interested parties in a private meeting.

After a free ride through the Senate review by the Subcommittee to Investigate Juvenile Delinquency, the Administration found itself and its legislation under a verbal crossfire of questions from Republicans and Democrats alike. And, there were only a few supporting witnesses from outside the federal government.

Chairman of the House Committee, Wilbur Mills (D., Ark.), threw the Administration off-stride when he refused to make an anti-gun cartoon part of the record when requested to do so by Under-Secretary of the Treasury, Joseph W. Barr, the first witness. It was a preview of things to come. "We need facts to legislate," the witness was told. The Administration was also criticized several times for being ill-prepared after persuading the committee to review the measure.

From the Republican side of the committee, Thomas B. Curtis (R., Mo.) and James F. Battin (R., Mont.), jumped the second witness, Commissioner of Internal Revenue, Sheldon S. Cohen, for ineffectively using existing authority under the National and Federal Firearms Acts. The total man-hours by agents covering the entire U. S. and possessions amounts to only the equivalent of 80 employees. In this connection, there was a considerable amount of discussion among committee members on how federal agents doing part time work in the area failed to know the field.

COMPROMISE GUN BILL

Two days after the hearings opened, Assistant Treasury Secretary Barr, together with Assistant Deputy Attorney General, Harold Barefoot Sanders, Jr., found themselves at the bargaining table in the office of committee member Congressman Cecil King (D., Calif.). Also participating in the meeting with King, who has a compromise bill pending before the same House committee, were Franklin Orth, Executive Director of the



National Rifle Association and a representative from the domestic firearms manufacturers.

Reportedly, there was a general agreement that the King compromise bill would be supported by the Administration instead of its own legislation. When the meeting adjourned, the only difference centered around some amendments the Administration wanted to make to increase the federal restrictions under the compromise measure being considered.

The Administration felt that an affidavit for all mail order guns, which would be sent to the local police authority, was in order. NRA and the others wanted the affidavit for handguns only, which the King bill now covers. The Justice Department is reported to have made a strong pitch for an amendment banning military surplus imports. Treasury was willing to accept the compromise without an import ban, but Justice was not. Attorney General Nicholas deB Katzenbach seems the real obstacle in the compromise efforts, insisting on this provision.

Apparently not told of the meeting was Sen. Thomas Dodd (D., Conn.), who introduced the Administration's bills in the Senate and who chaired the Senate hearings. Neither he nor his subcommittee staff would admit any knowledge of the affair.

It should be pointed out, however, that the House Ways and Means committee members look upon the Administration's bills as being a taxing and tariff matter. As such it should start in the House. This is because the Constitution provides that taxes and tariff matters should be initiated in the House. The license fees in the bill (\$1,000 to \$100, annually) are tax items and the banning of imports (military or commercial) is a tariff matter.

If Dodd sends the Administration's bill to the Senate before it is considered by the House, it is possible that a senator would bring a constitutional objection to the attention of the body and get the measure stopped pending House action. This could be why the Administration is so eager to compromise in order to get a gun bill or bills out of the House Ways and Means Committee.

There seems to be much more support for an anti-gun bill in the Senate. Testimony for the bills before the Senate hearings ran equal to that of the number of witnesses who opposed it. This, however, was apparently because expenses of \$16 per day and traveling cost could be met by the Senate Committee. In the House, where witnesses were not compensated, testimony ran heavy in opposition to the bill. If a House compromise is reported out of committee, once past the House, Dodd would be free to add restrictions to such a bill when it came to the Senate, where he has built such a strong case for enactment of more harsh anti-gun legislation.

With the compromise coming from the House, there would be less chance for additional public hearings, also. Dodd, being in control, could amend the bill without this step. For these, and other reasons, it is best for any compromise to start on the Senate side. This way harsh taxing and tariff provisions probably would not be included. Also, any amendments are likely to be aimed at decreasing rather than increasing restrictions.



Sierra Bullets UNBEATABLE FOR HUNTING



Want to bring home a trophy? HERE'S HOW!

Before you go hunting, sight in your rifle at the various ranges you expect to see game. Fire at least 10 rounds at each of these ranges . . . AND be sure you shoot the same bullets that you expect to use for hunting . . . SIERRAS! They are unbeatable for consistent accuracy, adequate penetration and dependable expansion.

Of the 54 bullets made by Sierra, there are more than 20 superb hunting bullets to choose from.



At gun dealers everywhere.

 **SIERRA
BULLETS**

10532 S. Painter Ave. • Santa Fe Springs, Calif.

Have you qualified for your Sierra Award?
See your dealer for complete details.

What's Wrong With Gun Laws

PISTOL LEGISLATION SEEMS TO HELP CRIMINALS AND KEEP JOHN Q. PUBLIC FROM DEFENDING HIMSELF, SAYS CHICAGO COP

CHICAGO, Ill.—Some call "the Fifties." I can't tell my real name in this article. I have a job to look out for and my wife and a wife to love. The boys run out of last month I was shot by a crook. One of them a crook's partner. I called to them to help. One of them told me I shot one (Official Police 38 and stopped them back. But the boy would I received gave me time to think about things. "I know that those fellows got their own things." "I know we have laws which help hoodlums from committing crimes."

When I looked into the laws about pistol permits, I learned a strange thing. The laws all seemed geared to keep a crook from the ordinary public, from a person who might need a gun to defend himself against a crook. And those laws make it relatively easy for any crook who might need a gun to get it. I'm not a crook, but I know how to get a gun anyway, any time he wants to. Because I found this out I've decided to sign my name to this article. You see, the state senator by my district is pushing for an out-gate law and he wouldn't exactly like a police officer from his ward to talk about hoodlums and out-gate legislation.

There's a lot of talk in these days of teen-age hoodlums and out-gate legislation.

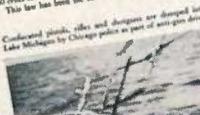
about New York's state pistol law, the Sullivan Law. Please always compare these laws with the one "like the Sullivan Law" that was written 45 years ago. The most of the law is in Section 17(1) of the Penal Law of New York. "Any person . . . who shall have in his possession in any city, village or town of this state, any pistol, revolver or other firearm of a size known or hereinafter to be prohibited by law, shall be guilty of a misdemeanor, and if he has been previously convicted of any crime he shall be guilty of a felony." This also applies to the carrying of such a weapon, concealed and loaded or unloaded, with intent to use it in the commission of a crime.

In the terms of this law, you must get a permit to carry a gun or possess a pistol. I suppose, except for a hunter, applicants are required to get a permit, except for his home. He must appear in person to get a permit, and there is a fee, about \$1.50 per license.

This law has been the model for other laws since then.



Several weapons are available by New York police for carrying on scene. Total of 13 were seen in the photo.



Carried pistol, rifle and shotgun are displayed in Chicago police as part of anti-gun drive.

June '59

We offer this department as a new GUNS service to shooters, to acquaint you with the legislative "climate" as it affects your sport, and with the men who make that climate; your Senators and Representatives in the United States Houses of Congress. The report is not "loaded" in any way; the statements quoted are replies to the letter below, and we will print them regardless of the views expressed, whether pro or con. We do this as a service to the gun industry and shooters everywhere.

The following letter is being mailed to every member of the U.S. Senate and to every member of the U.S. House of Representatives:

We are gathering material for portraits and

KNOW YOUR LAWMAKERS

Congresswoman Iris F. Blitch, Eighth District, Georgia

THE SECOND AMENDMENT to the United States Constitution, like the rest of the Bill of Rights, is a restriction on the Federal Government. In my opinion, the framers of the Amendment said what they meant and meant what they said, in simple words that permit no distortion. It needs no interpretation; no involved explanation to becloud the intent; the preservation of the right of the people to keep and bear arms for the protection of their lives, their homes, and their liberties.



Senator Gordon Allott, Colorado

COLORADOANS LIKE MYSELF enjoy hunting, and are blessed with bountiful opportunities to do so. I believe that the Second Amendment is a basic principle of our government.

Senator John F. Kennedy
Comm.: Foreign Relations;
Labor & Public Welfare; Joint Economic Comm.
Massachusetts



BY CALLING ATTENTION to "a well regulated militia," the "security" of the nation, and the right of each citizen "to keep and bear arms," our founding fathers recognized the essentially civilian nature of our economy. Although it is extremely unlikely that the fears of governmental tyranny which gave rise to the Second Amendment will ever be a major danger to our nation, the Amendment still remains an important declaration of our basic civilian-military relationships, in which every citizen must be ready to participate in the defense of his country. For that reason I believe the Second Amendment will always be important.

April '60

A 10TH ANNIVERSARY EDITORIAL

A LOOK AT OUR RECORD

ONE HUNDRED AND THIRTY ISSUES, ten years and ten months ago, the first issue of GUNS was published. The date on that issue was January, 1955. We are the oldest newsstand magazine in the firearms field.

In our fourth issue, April 1955, the late Adlai Stevenson told us that his favorite gun was an Ithaca Model 37 shotgun. With the same gentle humor that inspired his "Something funny happened to me on the way to the White House," Stevenson wrote, "But I'm not a very good shot. In fact, you might say that I'm something of a conservationist—although that is not always intentional on my part."

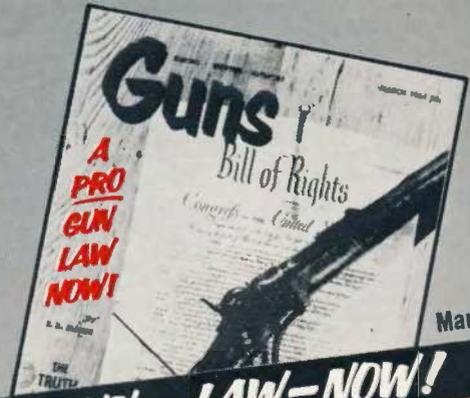
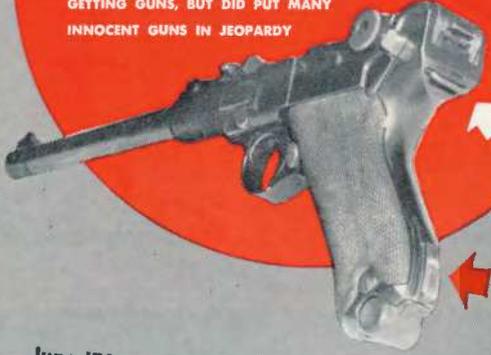
In our tenth issue, October 1955, Ike Eisenhower, "the one man who has commanded more guns than any other person in the history of the world," told us that his favorite shotgun was a Winchester Model 21, that his favorite shooting sport was taking bobwhite quail over good dogs, preferably 30-yard shots for clean kills, one bird per rise so as not to deplete the coveys.

Not quite a year later, August 1956, we published the first issue of a magazine directed to the firearms-and-shooting-equipment industry. Then called "Guns and Hunting

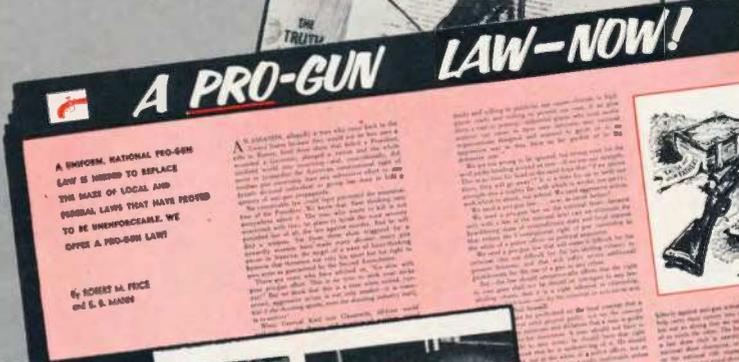
June '63

LEGAL... or ILLEGAL?

THE NATIONAL FIREARMS ACT DID NOT KEEP GANGSTERS FROM GETTING GUNS, BUT DID PUT MANY INNOCENT GUNS IN JEOPARDY



March



June '58



SULLIVAN LAW:
**THIS LAW MAKES
CRIME SAFE**

EMERSON "MUGGALLY" MORGAN'S ARTICLE, "YOU VERY BAY A GUN MAY KILL YOU" HERE, BY A CHICAGO POLICE OFFICER, IS THE OTHER SIDE OF THE COIN'S PART IN GUNS



Today, A Gun Could Save Your Life!



September '61

Goods Merchandiser," later "Shooting Goods Retailer," and now The SHOOTING INDUSTRY, that magazine is now concluding its ninth year of continuous publication. It is the only trade magazine devoted exclusively to problems of manufacturers and sellers of guns and shooting-hunting equipment.

Following five issues as a Quarterly, GUNS ANNUAL is now on the press for its fourth edition.

Our little REDBOOK OF USED GUN VALUES is now in its seventh edition. Published originally as a simple guide to trade-in values for gun dealers, REDBOOK has been so popular with dealers and individuals alike that we have never been able to discontinue it.

With these titles, published over these periods, we are the biggest publisher of periodicals in the firearms field.

We have published hundreds of articles, about thousands of guns and thousands of shooters, advising hundreds of thousands of readers on countless problems of firearms history, firearms selection, firearms care, firearms use, and hunting-shooting skills. We have reported, from personal tests, on thousands of products of shooting equipment.

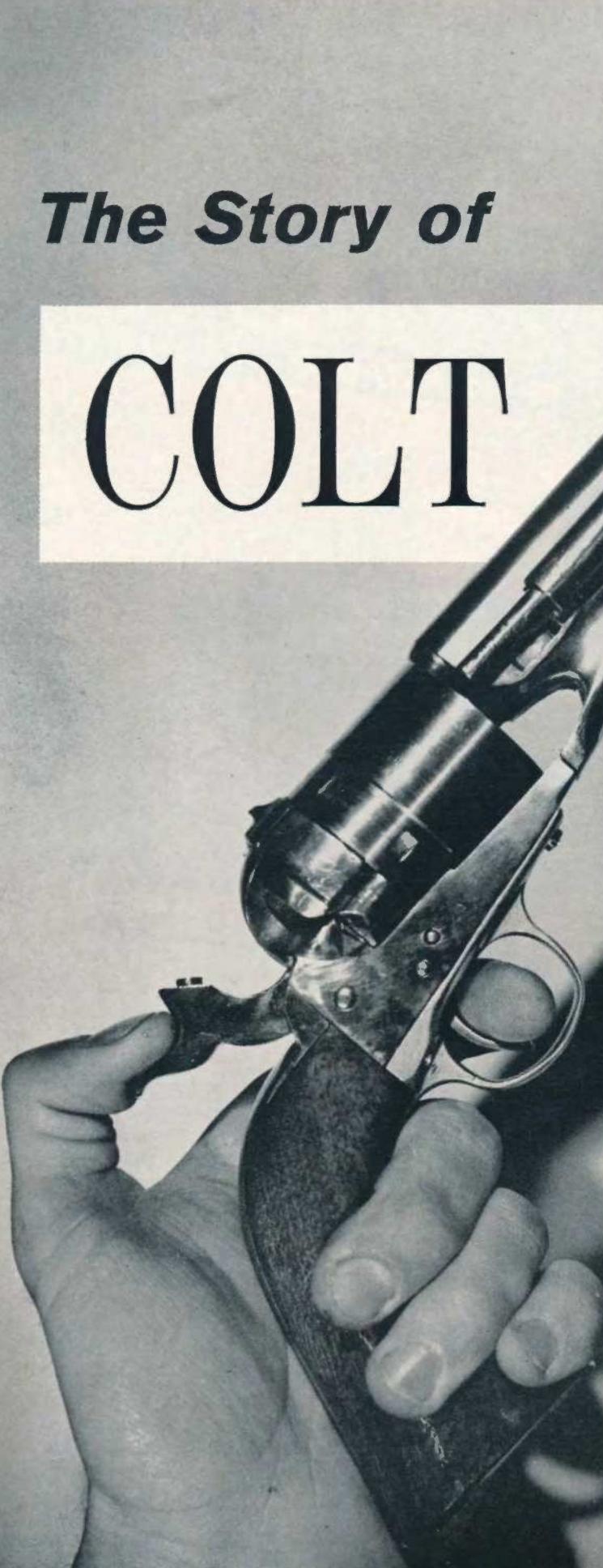
But we have never once, in all those issues, published an article that was untrue or misleading to our readers; we have never once published an article that was damaging to a manufacturer or other member of the shooting industry; we have never once published an article detrimental to any facet of the shooting sports; and we have never once violated editorial integrity by "selling" editorial praise for advertising profit. We have made mistakes, yes; and corrected them. But we are proud also of a 99.99 per cent record of accuracy.

In 1964, we published THE WORLD OF GUNS—the first and only major compilation of statements by experts defining the magnitude and importance of the firearms industry and the shooting sports in history, in the national economy, in law enforcement, in recreation, in the preservation and development of natural resources, and in firearms legislation. We distributed individual hard-bound copies of this book to members of the United States Senate, the United States House of Representatives, the President of the United States, and each member of his Cabinet. We distributed copies to 10,000 (Continued on Page 48)

The Story of

COLT

versus



ADAMS'S NEW PATENT
DOUBLE ACTION



**CENTRAL FIRE
BREECH-LOADING REVOLVERS,**
As EXCLUSIVELY ADOPTED BY H.M.'s WAR DEPARTMENT,
Of the Finest London Manufacture, and Warranted.
Sole Manufacturers by Special Steam Machinery.
ADAMS'S PATENT SMALL ARMS COMPANY.
JOHN ADAMS, Managing Director,
CONTRACTORS TO H.M.'s WAR DEPARTMENT,
391, STRAND, LONDON, W.C.
Cartridges specially designed for the above by COL. BOXER, R.A.
Chief Superintendent of the Royal Laboratories, Woolwich

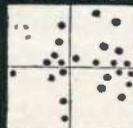


Diagram of twenty-four shots, at thirty yards' distance, made at Woolwich with this Revolver at a Target 1ft. square.

This Company is now Converting the Service '54 Gauge Revolvers to this System for H.M.'s War Department, &c.

For special articles on the recent competitive trials at the Royal Arsenal Woolwich (Colt v. Adams), see "Times," Oct. 21st, "Daily Telegraph," Oct. 22nd; **ENGINEER**, Oct. 22nd; "Pall Mall Gazette," Oct. 23rd, &c. Reprints of the articles, and Price Lists, with particulars, can be obtained on application. T698

Breech-loading Guns, Rifles, & Appurtenances of all kinds.

John Adams made good use of the success of his gun at the Woolrich trials, as evidenced by advertisement shown above.

A SHOT BY SHOT ACCOUNT OF THE TRIAL BETWEEN COLT'S THUER CONVERSION AND THE BRITISH ARMY REVOLVER BY ADAMS

By JOSEPH G. ROSA

ADAMS

WHEN THE CIVIL WAR ended, Colt's Patent Firearms Manufacturing Company faced one of its biggest challenges: Rollin White's monopoly of the American patent rights for bored through cylinders. But in the true Sam Colt tradition they were prepared to fight for survival.

Rollin White had secured the patent in 1855. He had tried to interest Sam Colt in his idea, but Colt was not impressed, whereas Smith and Wesson were. The result was that Smith and Wesson secured the exclusive right to produce cartridge revolvers in the United States until the patent expired on April 3, 1869.

For Colt, Remington, and the other manufacturers, this embargo was frustrating—and comments from abroad did not help much. When the influential "Illustrated London News" publicized the situation, Colt's sat up and took notice.

In its issue for August 31, 1867, when reporting the Paris International Exhibition, the "News" remarked that both Colt and Smith and Wesson were



Top: Beaumont Adams' .450 center fire cap & ball. Center: The 1867 Adams—it beat Colt's Thuer conversion in tests. Bottom: The 1872 Adams, a sequel to the 1867 model.



The 1872 Adams, worthy successor to the 1867 model British Army revolver that beat the Thuer in 1869.

exhibiting. Explaining Colt's difficulties over patent rights and their reluctance to manufacture under license from Smith and Wesson, it said: "It may perhaps not be impossible to contrive a pistol adapted to self-igniting cartridges, the chambers of which are not bored from end to end, such an arrangement is necessarily a roundabout way of achieving what Messrs. Smith and Wesson, by virtue of their patent, accomplish much more simply."

It was also noted that, "In countries where Messrs. Smith and Wesson's patent does not hold the system of capping revolvers, as we have noticed, has entirely disappeared."

Back in Hartford, General Franklin, President of Colt's, read this and other reports with some anxiety. His concern was shared by one other man who had the interests of the Colt name and tradition very much at heart — F. Alexander Thuer.

Thuer was a Prussian who had joined Colt about 1849. For 46 years he was closely connected with the design and manufacture of Colt's pistols. On September 15, 1868, he patented a method of converting Colt's percussion pistols to a center-fire metallic front-loading cartridge which did not infringe the Rollin White patent. Its considered advantage was that it enabled the pistol to be used as either

a percussion or cartridge revolver by the simple exchanging of the cylinders.

Essentially, the idea was to cut off the rear of the cylinder, which housed the nipples, and fit a plate or ring that was independent of the cylinder. Placed on a tube, which had the cylinder turning ratchet on its end, the ring contained a rebounding firing pin and the ejector. The pin was not unusual, but the ejector was unique. When the thumbpiece on the outside of the ring was moved to the right of the hammer, the pistol was ready for firing. To eject, the thumbpiece was moved to the left and the hammer was then snapped so that it hit the head of the spring operated striker, which punched the spent shells forward out of the chambers. Each time the hammer was cocked the spring returned the striker into position.

In promoting the conversion, Colt's seem to have concentrated on the English rather than the home market. Their London agent, Baron Von Oppen, had a number of the standard cap and ball pistols converted by a London gunsmith in the early months of 1869.

Before launching into extensive advertising, Colt's decided to test the reaction of the British War Office to the new revolvers. The result was favorable, but it was pointed out that while the .44 caliber 1860 Army pistol functioned well, the .36 caliber 1851 Navy did not. This was believed to be because there may have been some inaccuracy in the chambers or size of the cartridges supplied.

Van Oppen was now hopeful of sales and started to advertise. This initial publicity resulted in a trial before the public at the Crystal Palace on July 10, where the new revolvers were greeted with approval. "Accuracy and penetration were all that could be desired," commented "The Mechanics' Magazine" of July 23. "This improvement is a step in the right direction, and will add to the fame of the already far-famed Colt revolver."

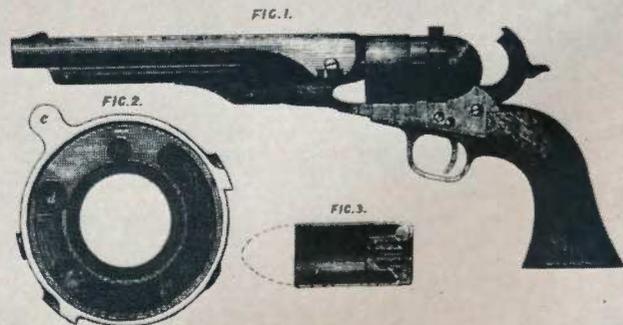
This view, however, was not shared by a rival publication, "The Engineer," which said: "We have not seen the new system thoroughly tried and therefore we cannot express an opinion as to its success, but at present we are not inclined to think that it is the most simple contrivance that could have been suggested." (Continued on Page 50)



Sam Colt, the man who invented the Colt revolver. His company based all its hopes on the Thuer conversion that lost at Woolwich.

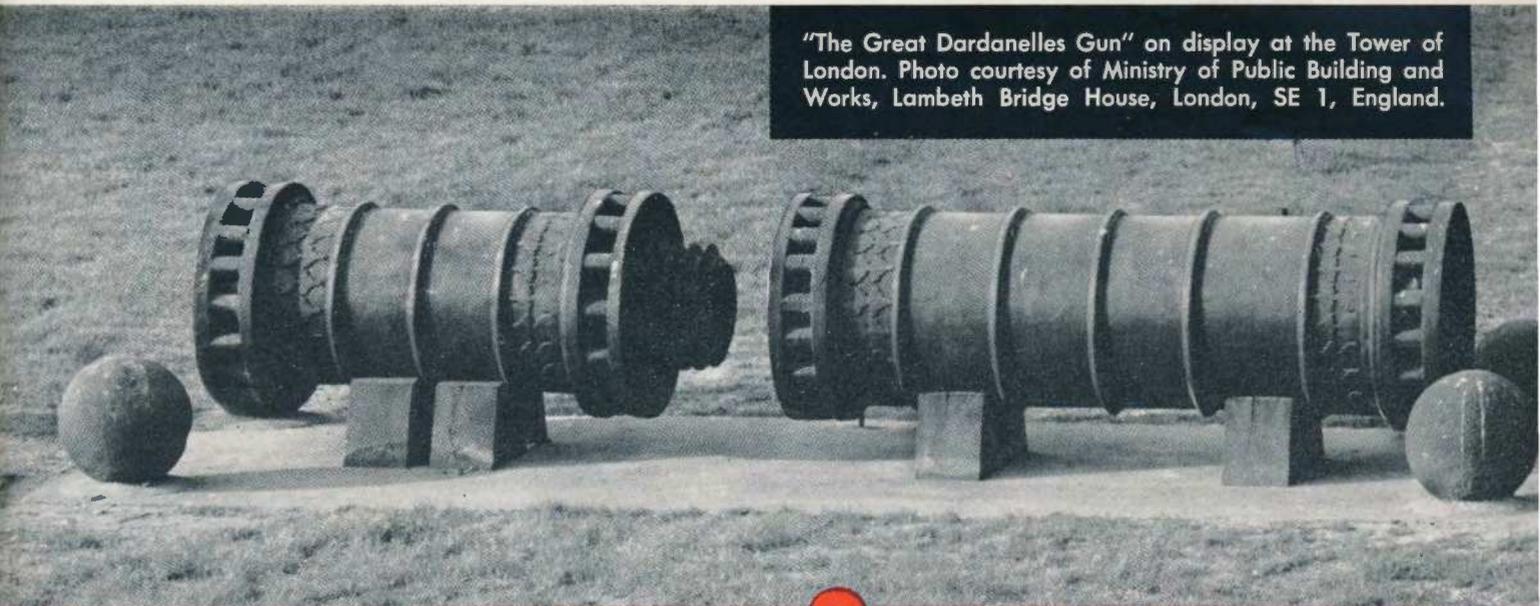
THE COLT BREECH-LOADING REVOLVER.

Last Saturday afternoon a trial of the new Colt system of breech-loading revolvers took place at the Crystal Palace. The accompanying engraving will clearly show the nature of the new arm. Fig. 1 shows the whole pistol, Fig. 2 the breech disc, and Fig. 3 a section of the cartridge shell. In converting an ordinary muzzle-loading Colt to a breech-loader, all that is necessary is to cut off the rear end of the chamber with the nipples and to substitute the disc shown in Fig. 2. This disc contains both the striker and the extractor. There is nothing remarkable in the striker, which is merely an ordinary pin, but the extractor requires some explanation. The cartridges are inserted from the front as the old skin cartridges were, and when fired the shells are extracted as follows:—First of all, the disc itself is rotated a short distance by the projecting lug *c* until the head of the extractor arrives under the hammer, where the striker was previously. If now the trigger be pulled the hammer will drive forward the head of the striker and the small bar hinged at *e*, and at the same time cause the extractor *b* to strike smartly the base of the shell, and so drive it



forward out of the chamber. The spring *f* returns the extractor when the hammer is raised. We have not seen the new system thoroughly tried, and therefore we cannot express an opinion as to its success, but at present we are not inclined to think that it is the most simple contrivance that could have been suggested.

"The Great Dardanelles Gun" on display at the Tower of London. Photo courtesy of Ministry of Public Building and Works, Lambeth Bridge House, London, SE 1, England.



Sultan's Big Gun

By IRVEN F. PALMER JR.

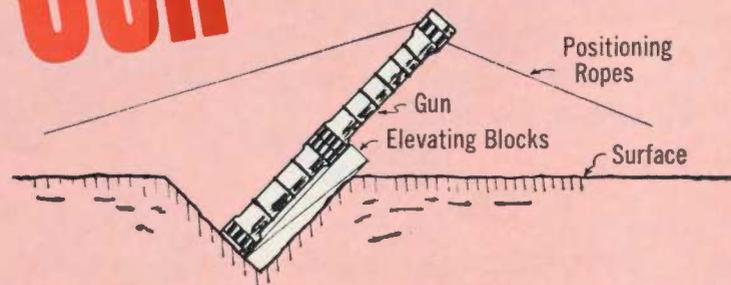
PROBABLY THE MOST famous artillery piece in history, and certainly one of the largest, is a gun that was cast in Turkey by the founder Munir Ali in 1464, during the reign of Sultan Mahomet II. It was cast of solid brass, and weighed 18¾ tons. Its overall length is 17 feet; bore diameter is 25 inches!

This monstrous gun used stones, slightly less than 25 inches in diameter, and weighing approximately 600 pounds, as projectiles. The range of the gun was reportedly about one mile.

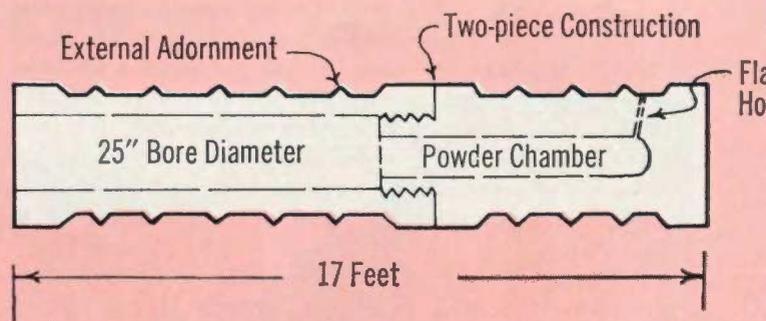
The gun did not use a carriage of any type, and in order to fire the gun it was necessary to dig a hole in the ground or place the breech end upon the ground and elevate the muzzle by using blocks of various sizes together with tie-down ropes. Needless to say, it took many men and horses to move the gun or to position it for a shot.

High angles of elevation, together with relatively small powder charges, were used to lob the stone projectiles toward the enemy—much like today's mortars. And, it can be imagined the havoc those 600 pound projectiles would cause to the wooden ships of the period.

The section drawing and photograph show the gun to be of two piece construction; the pieces screwing together. This form of construction was adopted to lessen the difficulty of casting and for greater ease of transport. The rear half of the gun contained the powder chamber, which was considerably smaller in diameter than the bore.



The author's conception of how Sultan's gun was aimed. Wedges were driven into place as positioning ropes were pulled.



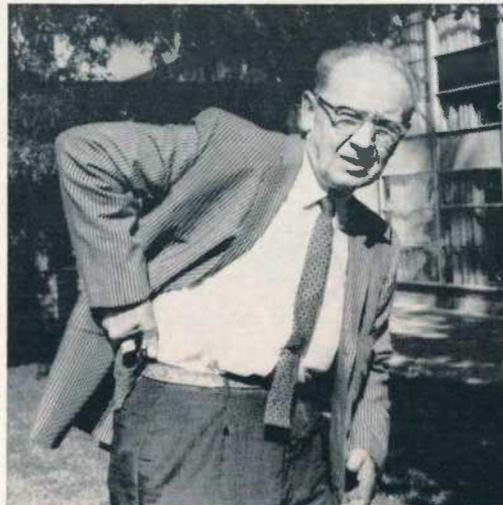
The gun, which for many years had formed a part of the batteries in the forts guarding the Dardanelles Straits, was given to Queen Victoria as a gift by the Sultan Abdul Aziz, in 1862.

One can only imagine all the toil and sweat that went into moving this monster gun from the factory to the emplacement, and into position for firing, not to mention the time and effort expended to turn out spherical stone projectiles from solid rock. This gun was surely the granddaddy of all smoothbores.

GUNS FOR SELF-



Author, wearing a Chief's Special in a Cliff Holster, looks unarmed. Coat swept back shows the snubby just about ready to clear holster.



By E. B. MANN

IT HAS BECOME fashionable in some circles to sneer at anything less than the .44 Magnum for defense purposes. If you think you are armed when all you're packing is a li'l ol' .38 Special—man, you're pre-historic! You're square, and some cat with a switch-blade is gonna round off your corners!

Square or not, it is nevertheless my considered opinion, backed by some 50 years of handgun shooting and handgun study, that a man (or woman) who can shoot a handgun reasonably well can handle 999 out of a thousand self-defense situations with something considerably less than three pounds of artillery delivering nearly three-quarters of a ton of muzzle energy at one end, and a kick only slightly less damaging than that of a Missouri mule at the other.

Understand, please, that I don't pretent to be a hero; on the contrary, I'm a practicing coward. If my life depended on instantly stopping a man shooting at me, I'm sure I'd yearn for all the firepower I could handle, preferably a large shotgun! But the average Mr. (or Mrs.) Citizen rarely encounters the Wild-West shoot-out situation on which our .44 Magnum-or-nothing proponents base their arguments; and even when or if he does face such a situation, he had damn' well better have considered carefully the key words in the statement above: how much firepower can he handle?

This argument always starts with the assertion that the .38 Special is a pipsqueak, and anything less than the .38 Special is plainly ridiculous. This is followed by harrowing anecdotes of how some poor, misguided Good Guy shot a Bad Guy to ribbons with a pipsqueak .38 Special, and then the Bad Guy shot back, and—slow music for Mr. Good Guy. I've often wondered what these Bad Guys use, to make them so lethal! Research on this subject through a

**CHOOSE A SELF-DEFENSE HANDGUN BY
HOW WELL YOU CAN HANDLE IT—
NOT BY ITS FIREPOWER**

lot of police and FBI records show that very few criminals "tote" .44 Magnums. Most of them use .38 Specials or less, including the flat, sub-caliber automatics—for concealability if for no other reason. Yet all of them I hear described in these pipsqueak vs. Big Pistol stories seem to be harder to kill than a bull buffalo and they are infallibly deadly with their return fire!

It does happen. I know of an instance, where two police officers riddled a Bad Guy with bullets from one .38 Special and one .357 Magnum, and the Bad Guys got well, whereas one of the policemen died. But—the bullet that killed the policeman was a .22 LR out of small revolver! There is also the story about the luckless Civil War soldier whose head was shot off by a cannonball, who then took several more steps and killed an enemy soldier as he toppled forward. I don't know what these stories prove, unless, maybe, that if your number is up, you've had it; but they sure don't prove anything in support of the .44 Magnum!

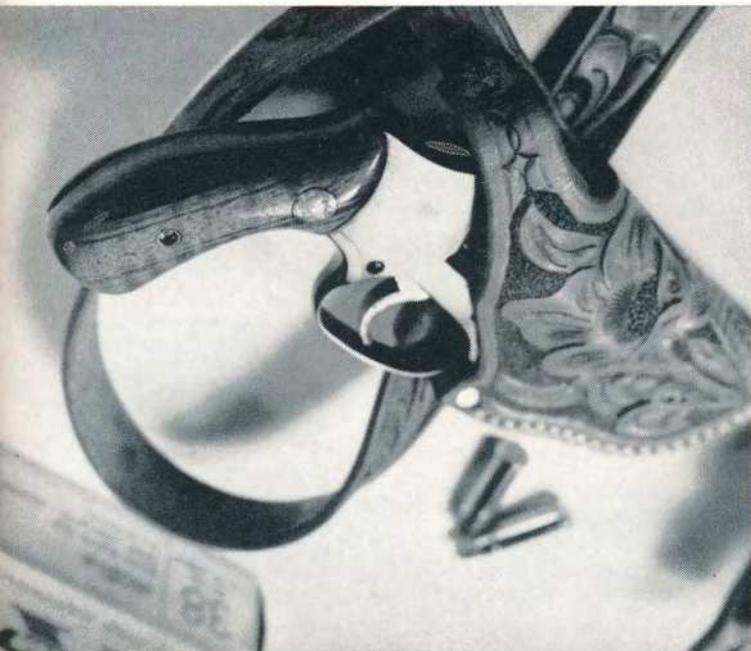
The .38 caliber handgun got a bad name when, in the Philippines, it failed to stop some dope-crazed kill-and-be-killed machete-swingers who wouldn't stop short of utter destruction. This, we are told, convinced the Army that nothing less than .45 caliber sidearms were fit for combat; and who knows more about guns than the Army?

First, how many Mr. Citizens (Continued on page 38)

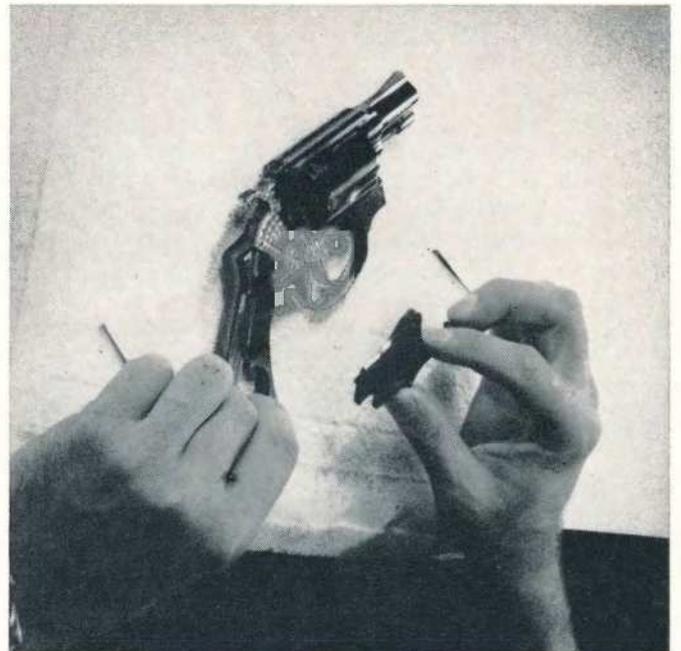
DEFENSE!



Colt's Special in .38 Special (right) and High Standard .22 Centinel; either one a good choice for self-defense.



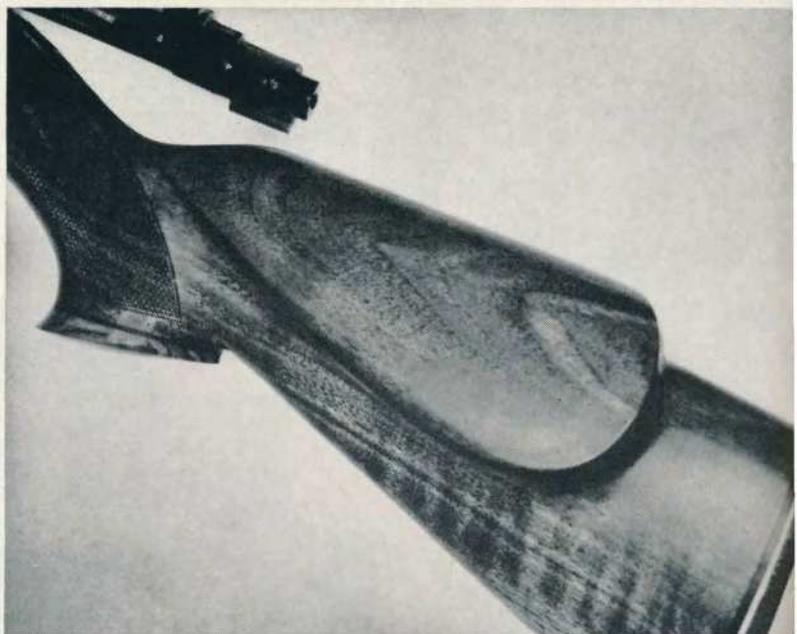
Step-top of CW holster holds the Colt securely, yet natural movement of thumb releases the fastener.



Author's Colt's Special undergoes tear-up. Cutting 246 coil from mainspring lightens double action pull.



Bob changed the trigger pull to suit himself. There's a fully adjustable Sako on the Ultra.

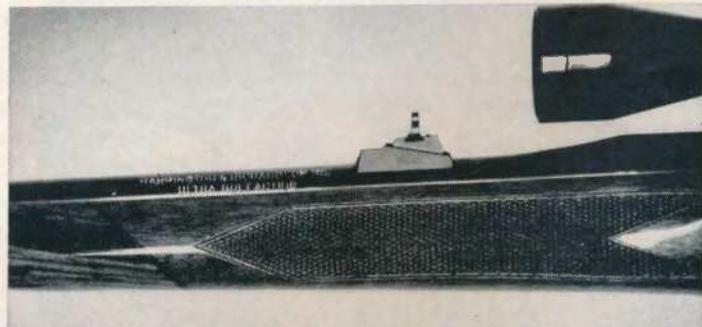
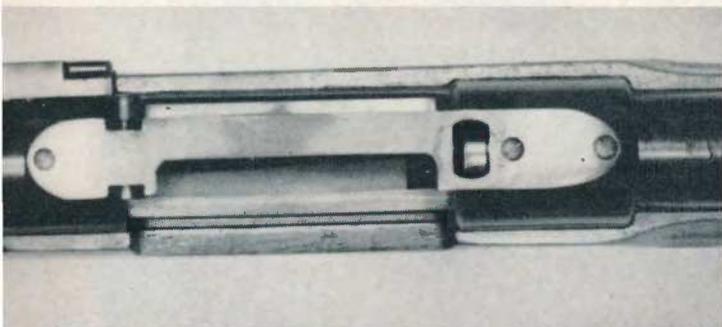


Checkering is, believe it or not, done by hand. Stock has generously sized roll-over cheek piece.



The Ultra Bolt Action Rifle

Left: Overhead view of action shows close inletting around action and barrel. Right: High Williams rear sight can be used easily and rapidly.

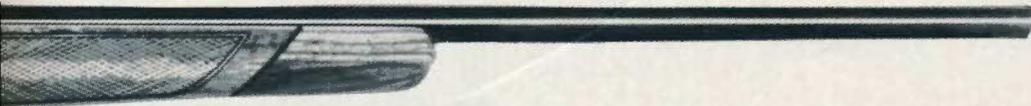


By R. A. STEINDLER

SINCE THE YEAR 1871, the firm of Harrington & Richardson, Inc., has been building guns—rifles, shotguns, and handguns. Many of us became intimately acquainted with H&R built M-1's and M-14's, but H&R's line of sporting guns has never induced American shooters to turn somersaults. The H&R guns are good, sturdy, and reliable guns without glamor, and they are priced to appeal to those who must, through necessity, buy inexpensive guns. More than one trapper and farmer has carried an H&R daily, and one friend of mine, a professional trapper, has used two H&R guns for over 30 years. Both guns are scarred and worn, but they are still sound and work as



Paul Haberly, staff gunsmith, found that workmanship and appearance compared favorably with custom rifles.



H&R's Ultra rifle uses the F. N. Mauser bolt action with a G. R. Douglas Ultrarifled tube.

smoothly as any gun I have ever seen or used. In January of this year, H&R introduced dealers to two new guns—one a semi-automatic sporting rifle, the other a bolt action rifle. The semi-auto incorporates several new features which, essentially, are based on the H&R experience in building semi-autos for the military. The bolt action rifle looks and feels like a custom gun, though fancy features like inlays and engraving are missing. Since the Ultra Automatic Rifle was not available for tests in late July, Hank Dion shipped me the bolt action rifle for tests and evaluation.

The Ultra Bolt Action rifle is basically a F.N. Mauser action with a G.R. Douglas Ultrarifled tube, the whole set into a Fajen American walnut blank that is inletted and finished by H&R. When this rifle was shown to a group of professionally hard-nosed gun editors and writers, the general reaction was a "So what?" As one well-known writer put it: "Just about any shop in the country can screw a tube on an F.N. action and then stock the thing." But—appearances are deceptive, and after firing almost 600 rounds during a two day session at the range, I stick my neck out and say that a lot of shops may be able to put a rifle together, but that darned few of them are capable of doing the kind of job H&R has done with these guns.

The Douglas barrel is trimly tapered and barrel length in all calibers is 22 inches. Bluing on all metal parts is very good and is on a par with some of the bluing that you'll find on high-priced custom guns. The gold bead front sight is placed on a ramp so that the fully adjustable

and relatively high Williams rear sight can be used easily and rapidly. The first surprise was that the open sights had been factory adjusted—I checked the gun out on the range at 50 yards with the open sights, and although the groups were not in the bench rest class, they were more than adequate for any brush hunting when open sights would possibly be used.

Little can be done with the standard F.N. Mauser action, but H&R did make a slight change in the bolt handle knob that, at least to me, appears to be an improvement. With the bolt closed and the handle turned down, the upper part of the bolt knob is flat and smooth, while the lower part, which also is flat, is serrated or knurled, thus offering a much better surface to the hand when opening the bolt hurriedly. This, to the dead-eye dicks who never need a fast second shot may not be important, but it appears to me that this is one of those little extras that prove that a lot of thought went into the H&R guns.

The stock of the test gun was an exceptionally nice piece of American walnut. Fore-end cap and pistol grip cap are contrasting wood, and my guess is that this is coca bola wood. Checkering is, believe it or not, done by hand! It is cut cleanly and deeply without overruns at the corners and my count indicates that it is about 18 or 20 lines per inch. Finish is a high gloss varnish finish that did show slight signs of wear after two full days on the range, but it appears to be chip-proof, even when the wood underneath it is dented. In design, the stock (*Continued on Page 58*)

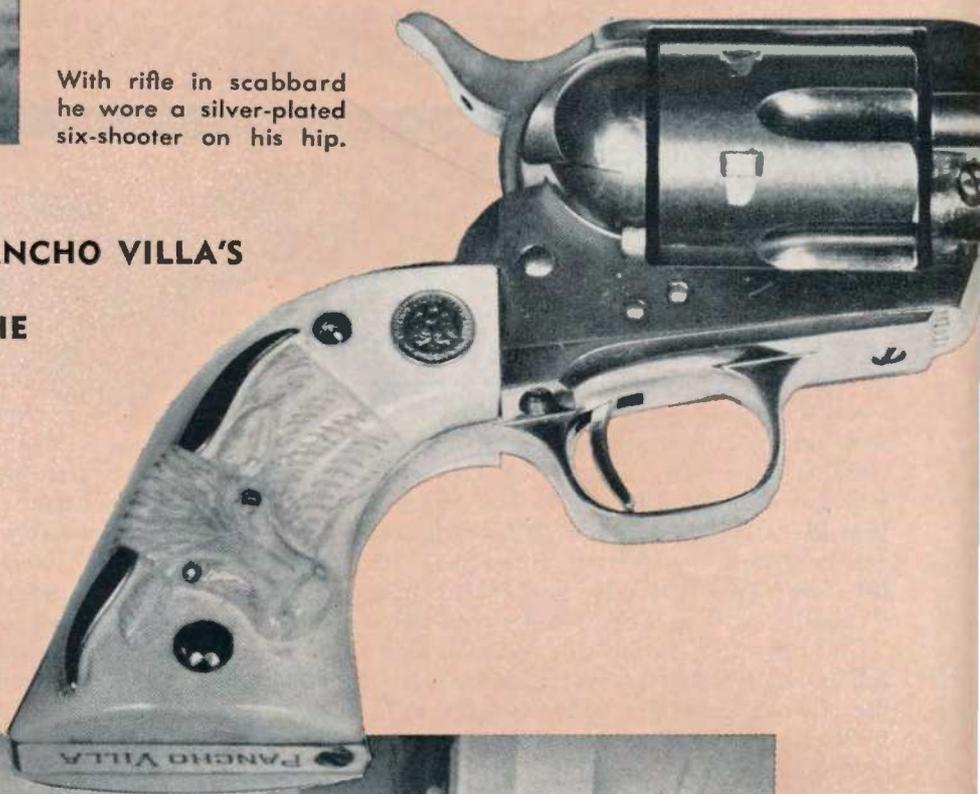


Guns of Pancho Villa

With rifle in scabbard he wore a silver-plated six-shooter on his hip.

GOOD MAN OR BAD MAN, PANCHO VILLA'S GUNS WERE RESPECTED AS THE LAW OF OLD MEXICO

By **GEORGE VIRGINES**



Pancho Villa, who was assassinated on July 20, 1923, shown with four bodyguards.

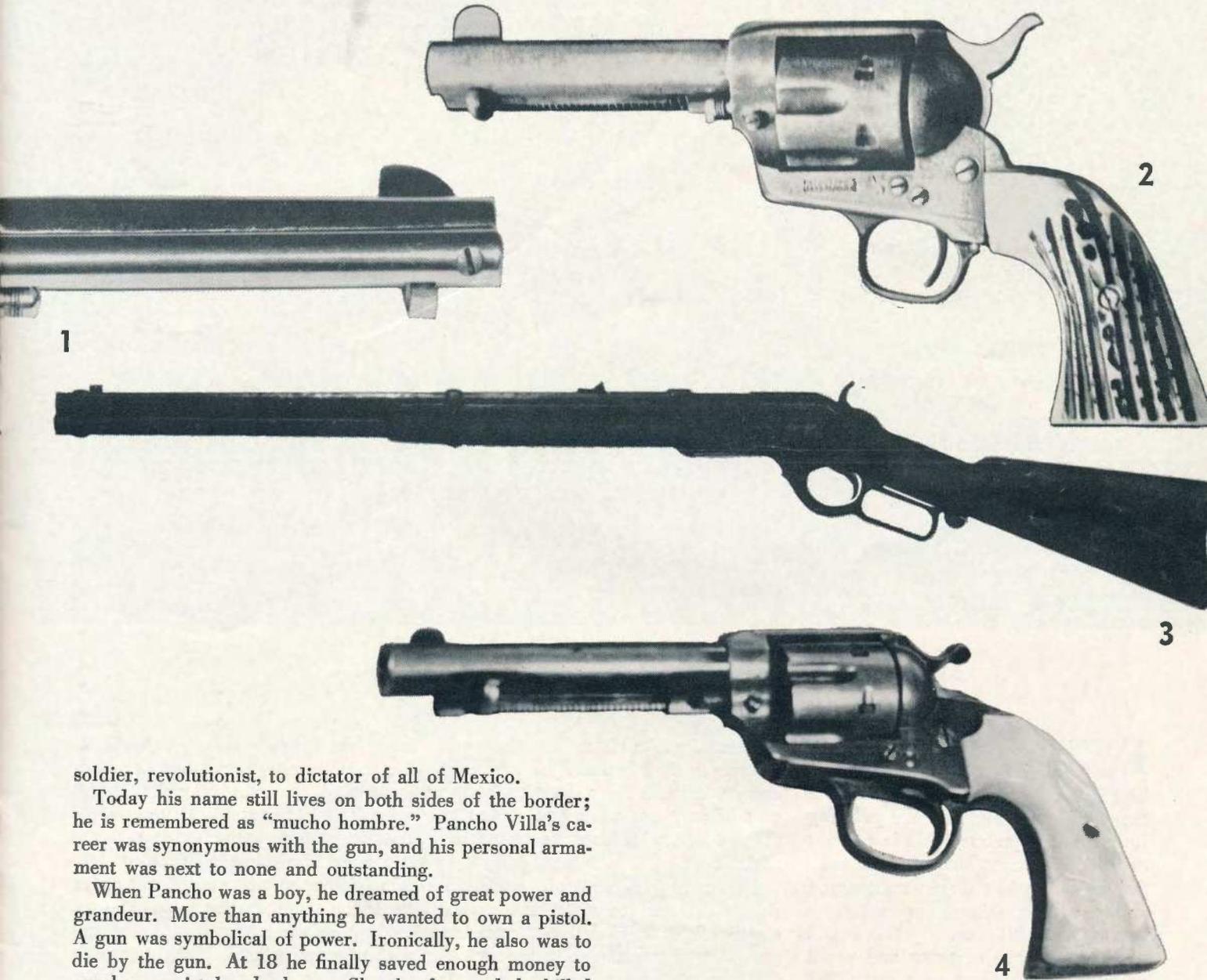
DURING A PERIOD in Mexican history, very much like in our country, the gun was the law of the land. Mexico's greatest "bad man," Francisco Pancho Villa, was born on October 4, 1877, in the State of Durango, Mexico. His real name was Durato Arango, and his legendary exploits have become a part of Mexican history. His career was a spectacle of paradoxes and contradictions, and many reams of paper have been written about him, many of them either confusing or controversial.

Pancho Villa became known as "The Tiger of the North," a title he earned for his ferociousness in battle. His deeds gained him a reputation that covered everything from murderer to genius, to a maudlin sentimentalist. His short but turbulent career ran the gamut from peon, to bandit,

from the yoke they had worn for years. He contended that everyone was entitled to a decent living, that most Mexicans were involuntary slaves of the large land owners.

Even his enemies agreed that Villa was the greatest military leader Mexico ever had, that his tactics and strategy on the battle field as well as in guerilla warfare have never been excelled. His unquestioned abilities in this field accounted for the defeats of enemies of much greater strength, and even General John J. Pershing learned to respect the elusive Pancho Villa after an abortive chase in 1916.

Villa had to be an extraordinary tactician to keep his ill-equipped men supplied with arms. Their armament consisted of every make of shotguns and rifles in every gauge and caliber; revolvers were from *(Continued on Page 41)*

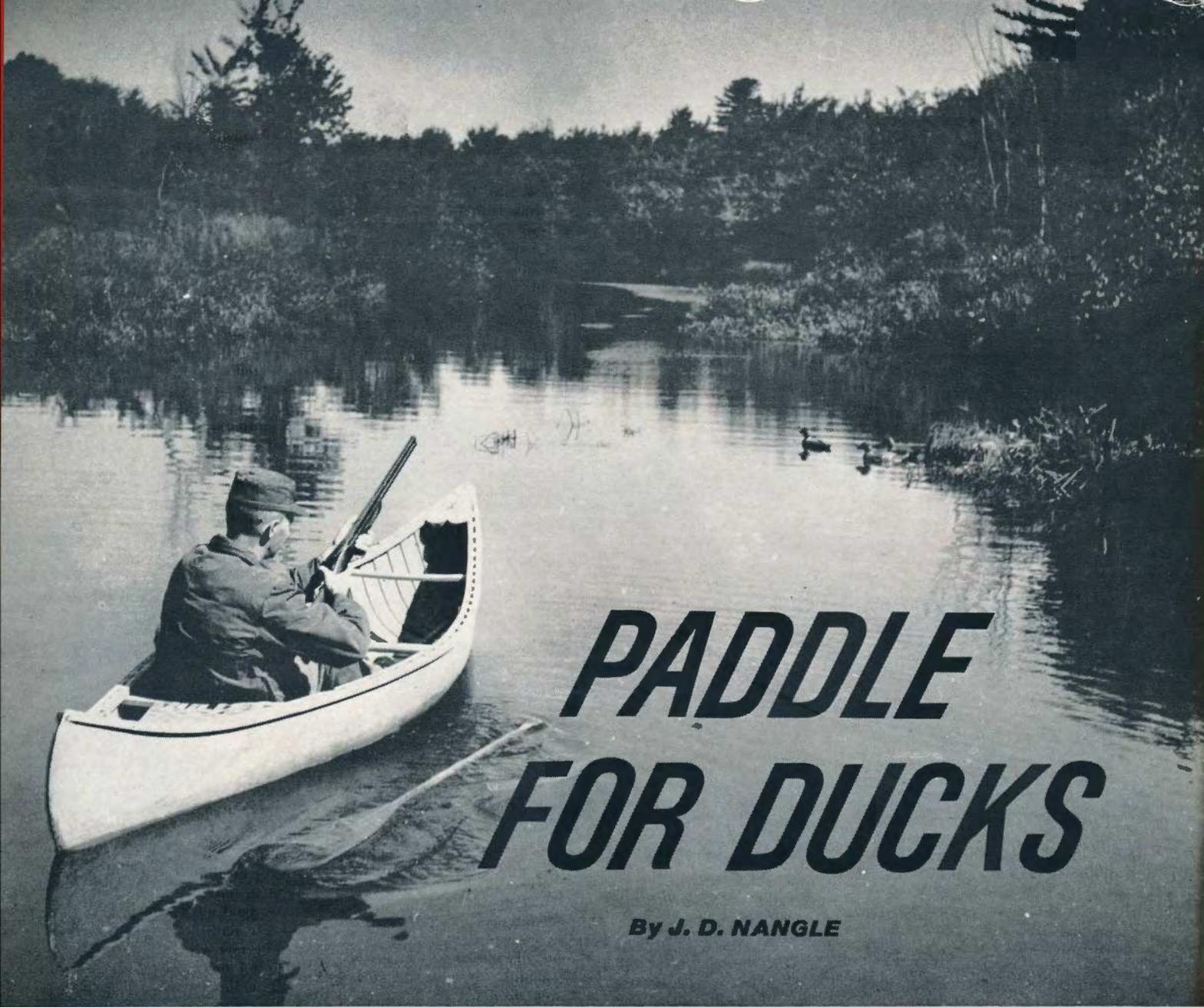


soldier, revolutionist, to dictator of all of Mexico.

Today his name still lives on both sides of the border; he is remembered as "mucho hombre." Pancho Villa's career was synonymous with the gun, and his personal armament was next to none and outstanding.

When Pancho was a boy, he dreamed of great power and grandeur. More than anything he wanted to own a pistol. A gun was symbolical of power. Ironically, he also was to die by the gun. At 18 he finally saved enough money to purchase a pistol and a horse. Shortly afterwards he killed his first man. It was the beginning of years of killing, robbery, and banditry. While still a young man, he assumed leadership of an outlaw band and became the Robin Hood of Mexico—at least in the eyes of his peon troopers. There were instances in which he did rob the rich to give to the poor, and Pancho Villa's name gained an aura of magic. He was a born leader and fought to free the Mexican people

-
1. Colt SAA experts think was Villa's gun.
 2. Colt Single Action in author's collection.
 3. The 1873 Winchester saddle ring carbine.
 4. Colt's Bisley target model, .44-40 caliber.
-



PADDLE FOR DUCKS

By J. D. NANGLE

FREEZING IN A BLIND one day you probably thought there must be a better way to hunt your ducks. I thought so, too, and now it's paddling for me. I stalk puddle ducks in a canoe or small boat, matching my skill with the paddle against their wariness, my ability with a shotgun against their fast-breaking getaway. Try this brand of shooting once or twice and you'll agree it's much more of a test for a man and his gun than shooting over decoys or pass shooting.

It's better sport because it demands more of you than just being able to hit a duck which is all but motionless as it flops into your spread. It's busier, because you create your own action and there's no such thing as a

bluebird day. And it's within the reach of every wallet, because you can hunt every week end for a fraction of the cost of only one week end at one of the widely publicized waterfowling capitals.

I hunt woodies, mallards, and black ducks on some of the thousands of small, all-but-unknown watercourses sprinkling our country. A topographical map will probably show a number of them within 50 miles of your home. Canoe down them, and you'll sample some of the finest shotgunning you've ever had. You'll find native birds early in the season, migrating flocks as winter draws on. In Central and Eastern Massachusetts we get lots of the heavy Atlantic Flyway traffic, with the

black duck predominating. Early in the season we get some shots at wood-duck, and periodically mallards appear. But in the main, it's the puddle ducks we find in these streams.

The puddle duck, also called dabbling or dipper duck, gets his names for his liking small, shallow ponds and his feeding off the bottom by tipping tail up and dipping head, neck and breast under water. He springs straight up, five or six feet off the water, and seems to reach top speed within the first few wingbeats after leveling off. This provides much of the excitement in hunting puddle ducks.

We stick to the smallest navigable streams, some so narrow the boat sometimes just clears the brush on both

STALKING DUCKS WITH A BOAT PROVIDES A REAL TEST OF BOTH YOUR HUNTING AND GUNNING ABILITIES



banks. The puddle duck can land and take off wherever the water is as broad as his wingspan. Bigger streams offer good gunning, too, but they get more hunting pressure, and small streams offer the advantage of concealment.

Sticking to small, quiet streams, we choose short, narrow boats. Going with a partner or over a rough bottom, I prefer a 12 foot canoe, just about the bare minimum for two men. Alone, on streams where rocks and snags don't pose a problem, I take a 10 foot canvas duckboat. In selecting a boat be sure that it is steady and safe to shoot from, short and trim so it won't be poking its bow around corners, and light enough so that unloading, portaging, and loading it is not a chore.

Small stream plus small boat equals small gun. That is, once you become skilled at gliding silently along, you will get close enough to ducks to use any gauge you want. It's easy to get within 10 yards, making even the 28 gauge and .410 guns adequate if you handle them properly. But your favorite 12, 16, or 20 gauge shotgun will probably give you better all-around service. Magnum guns and shells are just too heavy, since most of the shoot-

ing is done at less than 40 yards. In brushy country, where the birds are apt to weave away through the trees along the banks, short shots are the rule. What you need is not more gun but less, in barrel length, choke, and weight. A light, fast-swinging, 26 inch barrel, throwing a fast-opening pattern from a modified or improved cylinder choke would be just about perfect. My favorite gun falls short of the ideal, with its 28 inch barrels bored full and modified. But I use it for everything from woodcock to deer, and I don't think I'd feel at home with anything else. Besides, stay-

ing with one gun and learning to handle it properly will do more for your shooting eye than any number of special guns.

Looking for one load to use on ducks, pheasants, partridge, and rabbit, I've settled on the 16 gauge express load, $1\frac{1}{8}$ ounces of No. 6 shot and 3 dram equivalent. With a 12 gauge gun, I'd pick No. 5 shot in the express loading, and for a 20 gauge I'd go to $7\frac{1}{2}$ shot. Field loads would be strong enough, but I like the slightly denser pattern thrown by express loads. For example, with a $1\frac{1}{8}$ ounce load of No. 6 in 16 (Continued on Page 44)



Short, slim, and maneuverable, a duckboat like this will spin with one paddle stroke to put you in position for a shot at birds jumping off to the side.

Go light and you'll cover more water. Gun, canoe, and paddles fill out the equipment needs. In selecting a boat be sure it is steady, reliable, and light.

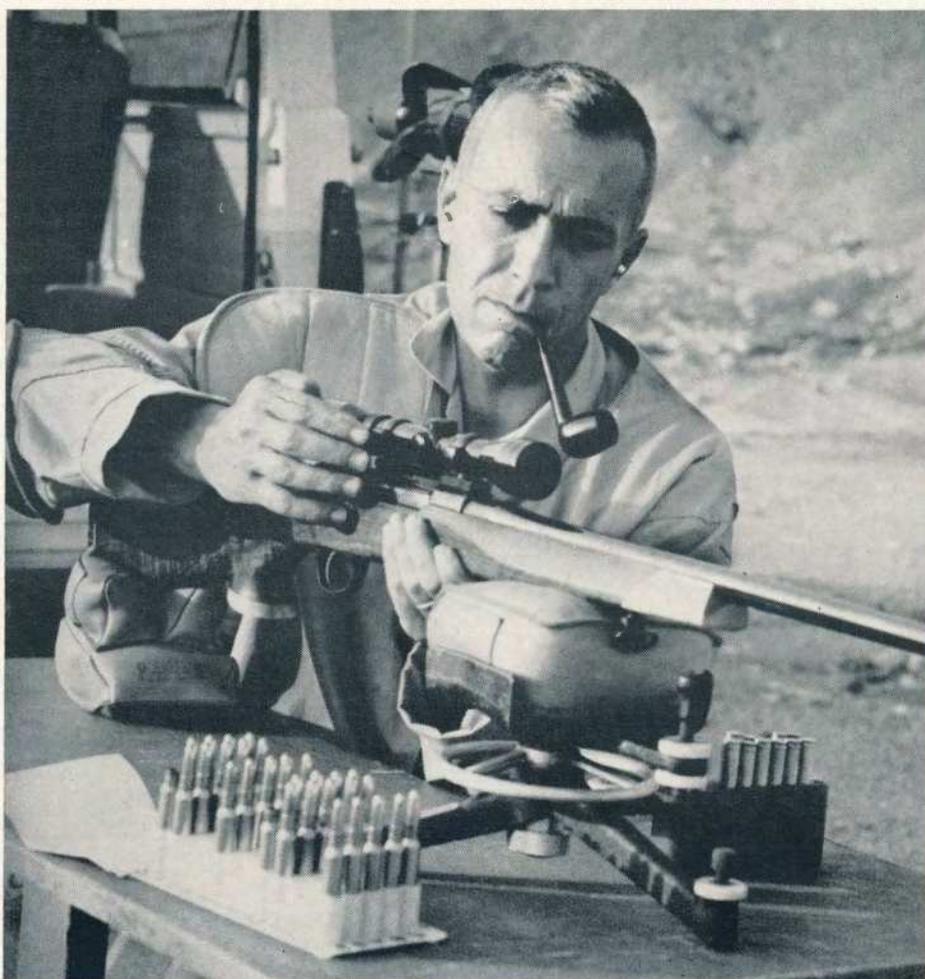
THE REBIRTH OF THE

8 mm

AT ONE TIME, several of the European 8 mm's found considerable favor with American shooters, and the influx of a number of "liberated" rifles after WWII kept that 8 mm fire burning. Of recent years, the 8 mm's have once again largely been relegated to the position of wall hangers, but the cartridge—or rather cartridges—are still very popular with European sportsmen and a number of these guns have found their way into the far corners of the earth. The last American rifles to be chambered for any of the 8 mm's were the Winchester 54 and Remington's 30S, and right now, these commercial 8 mm's in shooting condition are as scarce as brainy blondes.

Since there are a lot of 8 mm tubes around, one gunsmith-wildcatter decided to do something about the situation. Dave Ernst, who operates Ernst Custom Guns (108 N. Main Street, Ft. Atkinson, Wisc.) when he is not out on the range shooting one of his own creations, came up with a case design that showed enough promise to make it worthwhile to build a gun for it. The new 8 mm is now named the ".323 Ernst Magnum" and after subtracting the assorted ballyhoo that attends the birth of a wildcat, and after shooting the gun off and on for over 3 months, I must admit that the .323 Ernst Magnum lives up to all of its promises.

The Ernst Magnum has two definite advantages—it uses a standard length action, and 8 mm barrels are easy to come by. Dave came to see me in my office and brought along the usual assortment of loading data, targets, and a large dose of enthusiasm for his brainchild. He also brought along one



Before chronographing the various loads and checking them for accuracy, batches of 5 rounds with ½ gr. variations were made up to check pressure.

of the two guns which he had been totting around, and he fondly showed some pictures of big game that he killed with a lightweight sporter. The

groups from the heavy rifle were, at least for a magnum, impressive, with sundry targets showing 5 and 10 holes, shot at varying ranges from 100 to 500



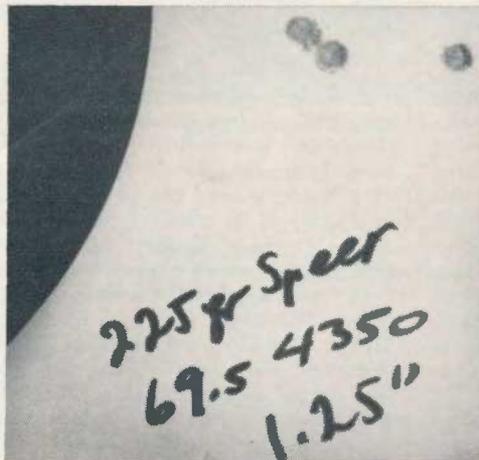
By R. A. STEINDLER

yards. Groups at 100 yards were between 1.30 to slightly under 2.0 inches.

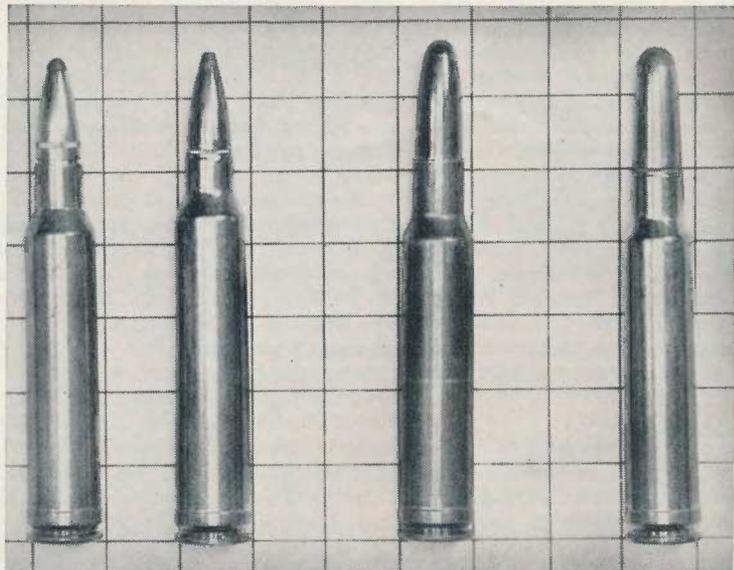
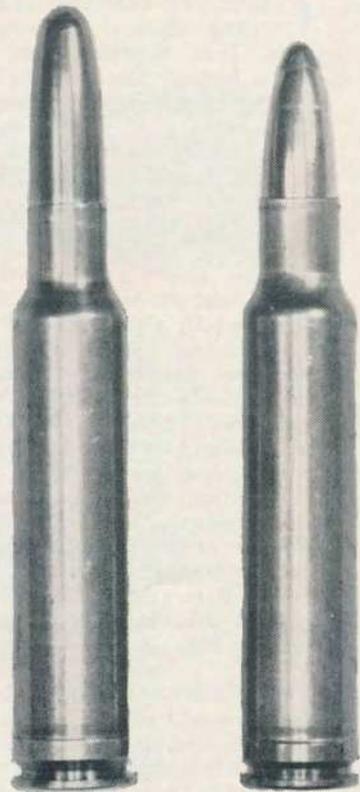
For a heavy rifle, and a magnum to boot, this was not bad, but how many guys would want to have an 8 mm Magnum as bench gun? How about the sporters with the lighter, slimmer barrels and the lighter stocks? Would they belt the shooter into next week, how did those hot loads Dave was using effect accuracy or the shooter in a lighter gun? Like most gunsmiths, Dave had taken apart his own Ernst Magnum that he had used for two years in Canada, and all he had were the two heavy guns. But he would make up a light sporter and ship it down to me. The implication was that I could see for myself, but the .323 Magnum in a lightweight version was not what Dave had in mind.

After a few months and several phone calls, the gun arrived. The bench gun I had seen and fired had a contoured barrel, the sporter had a slim and slightly tapered tube. The stock with a big roll-over cheek piece and a hand-filling pistol grip was a nice piece of American Walnut with a light colored fore-end cap that slopes slightly backward and a similar cap on the pistol grip. Ernst uses Fajen stocks exclusively and believes that tight bedding is the best and the only way to bed a barrel. He refuses to free-float a barrel unless the customer insists on it, and since this was a test gun, I let Dave

(Continued on page 46)



Author's testing of new 8 mm Magnum gave group shown above. Right: The .323 Ernst Magnum loaded in fire-formed case with a 225 gr. Speer bullet, right, not fire-formed case with 175 gr. Sierra.



>
Left to right: .308 Norma Magnum; a .300 Winchester Magnum; the .323 Ernst; the .338 Winchester Magnum.



Pull!

BY DICK MILLER

GUNS ARE POPPING and targets are being shattered all over the landscape, from Northern lights country, to Miami, from the Atlantic to the Pacific. Good shooting reports poured in from all corners this month.

In Canada, Ed Shaske was the biggest noise in Alberta championships at Edmonton, where it was still daylight at ten P.M. on the day I got the news. Ed Shaske didn't leave much daylight around his targets, winning the Alberta doubles with a score of 91x100, and All-Around with 366x400, and High-Over-All with 461x500. And, this was a second week of torrid shooting for the Edmonton gunner. Other Alberta Championships winners were Voss Carrol, of Saskatoon, Provincial high yardage. The Provincial low yardage victor was Lloyd Place of Edmonton, and Alberta singles winner was Tom Orlick, also of Edmonton. In Class championships, the A title went to Bill Peterson of Mossleigh, Alberta, Class B to Joe St. Arnaud of Edmonton, and Class C to Will Roberge from Lloydminster, Saskatchewan. Max Huntley of Lyalta, Alberta took top Junior honors.

As in other sports, it has been felt that the home field offers a slight advantage in trap and skeet. But, it didn't work that way in the 50th Annual PITA championships at California's Fresno County Gun Club. "Furriners" took all the titles, shutting out a good delegation of Central California gunners. George Ross of Fontana took Class AA in the class events, with a perfect century. Dave Autry from Bremerton, Washington, took the Introductory Handicap trophy. Class A title in Introductory doubles also went south, to Robert Johnson, of West Covina. Mateo Rolla from San Luis Obispo was the handicap champion. His 97x100 topped Al Eder from San Francisco's 96, and the 95 posted by Melvin Mosely of Lemoore. Singles champion was Gene Lumsden, from South Gate, who broken 'em all. Wayne Elliot, shooting out of Daly City, home of the Cow Barn, won the preliminary handicap, and the doubles title went south, to Richard Lane of Riverside.

On the East coast, Walter Berkuta broke 98 targets from 22 yards to win the New Jersey State handicap title at Pine Valley Gun Club. Mrs. Gerri Blank of Garwood topped the Ladies with a fine 95x100. Eddie E. Bahr, Jr. fired a 386x400 to annex the

New Jersey all-around championship, topping 317 shooters. R. C. Brzezick of Bordentown topped the singles entries, dropping just one target over the 200 bird course. Mrs. Blank again topped the Ladies, with another good effort, 195x200. Randy Hutton's 197 took the junior division, and Dick Baldwin, Jr. led the Pro's with the same score.

Youth emerged victorious in the Pennsylvania State Eastern Zone trapshooting championships at Quaker City Gun Club, Holmesburg. Seventeen year old Dale Krapf, from Glen Moore, ground out 50 straight targets in a shoot-off, to take the title from seven other shooters with scores of 98x100, and fashioned his winning score from 22 yards. Jean Hunsberger of Catasauqua topped the feminine contingent with a 93. Larry Meli of Chester won the doubles with a 96 of 50 pairs, and Mrs. Rhoda Wolf fired a 93 to win in the distaff section. Cliff Leutholt, from Allentown, New Jersey, fired a 99 from 25 yards in the open handicap trophy event, but still had to survive a shoot-off before he could take the hardware home. John P. Young, Bethlehem, was High-Over-All for the program.

Archie Di Paolo, president of the Pine Belt Gun Club at Indian Mills, New Jersey, showed that he was a good Indian, by winning the Atlantic Indians 16 yard title at Shawnee-on-Delaware. Di Paolo had to turn back four other braves of the 138 entries. Deadlocked at 99 in the main event were R. W. Smith, Bill Zehner, Burton England, and Dr. B. W. Mickle. Bill Zehner (Oyster Bay, New York) salvaged the doubles trophy, also after a shoot-off, with Dave George of Pelham Bay, New York.

Two results reach us in time for this issue from the Delaware state trapshooting championships. R. L. Pleasanton was a doubles winner, at 96x100, topping a 95 posted by W. D. Marvel from Lincoln. R. E. Diefenderfer, Reading, broke 200 straight to capture an open 16 yard trophy.

Gerald Litteral, shooting out of Penns Grove, New York, was literally the biggest noise in Quaker City Gun Club's Philadelphia Open tournament. He broke 97 from 21 yards to gain a shoot-off with Joe Moore in a handicap event, captured the doubles trophy with a 95, and put these scores together to win High-All-Around. Cliff Leutholt

kept up his very hot handicap shooting streak with another victory, this time with a 96 from the rarified atmosphere of 26 yards.

The home field also didn't help shooters at a Wilmington, Delaware Trapshooting Association's two day trapshooting event. Pennsylvanians R. E. Crossan, of West Grove, and Larry Meli from Chester grabbed two major titles. Crossan was perfect in the 16 yard program, and Meli was just one bird shy of perfection in the doubles event.

All of the Pennsylvania state zone trapshooting championships were torrid affairs. The Southern Zone, at Quaker City Gun Club, Holmesburg, was no exception. After 150 16 yard targets, Bill Hunsberger of Catasauqua, Sam Schellenberger of Ambler, and A. W. Snyder of Bethlehem were all straight. It took 75 more targets to decide the event. Hunsberger came out on top, with Snyder second and Schellenberger third. The Ladies Southern Zone title also had to be decided in a shoot-off. Mrs. Rhoda Wolf bested Sue Hardy of Devon, after both broke 145x150 targets over the regulation distance.

It's always a pleasure to report results from the famous Pennsylvania Women's Interclub Trapshooting League. The final shoot of the season was a hotly-contested affair. Mrs. Otto Neiderer from the Torresdale-Frankford Club won the General Nicholas Biddle high gun trophy, after three extra rounds, turning back Mrs. Bruce Ambler of the Huntingdon Valley club. Torresdale-Frankford won the team match, and the Joseph W. Lippincott trophy. In addition to Mrs. Neiderer, team members were Mrs. R. K. Wolf, Pat Comly, Mrs. W. W. Romney, and Mrs. George Seifert. Mrs. W. E. Frost tied Mrs. Seifert for fifth place on the team, but lost in a shoot-off. Mrs. Wolf won the A. J. MacDowell trophy for high score over the season of ten matches, with 337 of 350 targets. The Valley Forge team was high team over the season.

Also in Pennsylvania league trapshooting, this time in a men's event, the Chester County team has been hot in the Penn-Del Twilight Target League. The Chester Countians strengthened their hold on first place by grinding out 480x500 in the seventh match of the season. My results are not complete, but they show the Chester quint winning the first two matches, tying in the third, and winning the fourth and seventh matches. They will be hard to stop, but Newcastle, Delaware, may have some ideas. The Newcastle club was the club who tied Chester in the third match, 490x500, and in the seventh match, Chester's winning margin was a razor-thin 480 to 479, so it's not over as we go to press.

Pennsylvania also makes news with some partial results from the Quaker State's skeet championships. Frank Hollinger from Harrisburg outlasted Ray Corper of Philadelphia 24-23 in a shoot-off for 20 gauge honors, after both had broken 100 straight over the regulation distance. Robert Rodale of Allentown turned back a trio of hundred straighters in the preliminary 12 gauge event, also in overtime.

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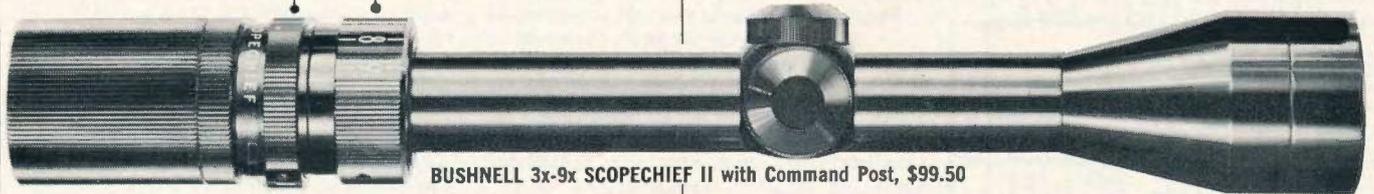
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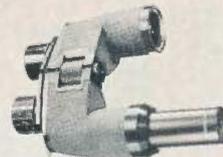


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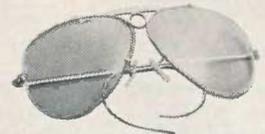
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GUNS FOR SELF-DEFENSE

(Continued from page 27)

are likely to have to face juramentado fanatics, fired with dope and religious fervor and sworn to ride into Paradise on the back of at least one slain Yankee? If this is in your future, I recommend that you give up handguns and consider a good British double rifle, preferably of about .60 caliber.

Second, today's .38 caliber loads are, or certainly can be, a very far cry indeed from those 1898 black-powder .38 Long Colt cartridges used in the Philippines.

Third, what is the reputation, today, of those .45 caliber handguns the Army selected and still buys for their man-stopping power?

This requires several answers. The .44 Magnum proponents tell you that the .45 ACP cartridge, too, is "inadequate" for use in combat.

There are also those who will tell you that those big, lumbering slugs "will knock a man off his feet, no matter where they hit him!" This, of course, is ridiculous. On the other hand, those same big, lumbering slugs have saved a lot of GI lives by knocking off shooting-back targets. For proof, check the records of all of our wars since 1911.

But ask the opinion of any ex-GI who carried the .45ACP in combat, and a very high percentage of answers will go something like this: "Yeah, I carried it; but I couldn't hit the broad side of Grand Central Station with it. I'd rather throw it at a man than

shoot it at him; that way, I could at least hit him!"

Arm any man with a weapon in which he has little or no confidence, and you reduce that man's combat effectiveness to a minimum. This means, of course, that if you have no confidence in anything less than a .44 Magnum, you need a .44 Magnum. But don't insist it's because nothing less than a .44 Magnum could be effective!

Why did so many GI's lack confidence in the .45 automatic? For the very simple reason that it was more gun than they could handle! The .45 ACP will shoot straight; countless target shooters can prove it. But it is no easy gun to master! It has a resounding blast—and don't kid yourself that blast doesn't adversely affect a shooter, especially a novice, but also an expert, whether he knows it or will admit it or not. It has a rough, twisting recoil that loosens your grip, jolts your arm, and lifts the gun off-aim so that you have to spend precious seconds getting the sights back on target—wasted time that is of prime importance in rapid-fire shooting. This is why the scores fired with the .45 are always lower than those fired with lighter calibers—even by men who have had years, and many thousands of rounds, of practice.

Your average GI never got those years of practice. He found himself in the position

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of a man who, never having driven an automobile, is rammed into the bucket of an "Indy" racer: plenty of machinery, not enough driver.

But the .45 ACP is a toy, a woolly lamb, compared to the .44 Magnum! If you think the .45 is noisy, blast your ears with a .44 Magnum! If you think the .45 kicks, try the Big Pistol! And, most especially, fire that first .44 Magnum shot and then, when the gun stops rolling up and back toward your shoulder, imagine trying to get it back down on target before that target sticks a couple or six pipsqueak but painful slugs in your torso!

"But," our Big Pistol proponents tell us, "if you hit him right with the first shot from the .44 Magnum, you won't need a second!"

True. But it is also true, although the Big Pistol people deny it, that if you hit him right with a combat-loaded .38 Special or even a .22RF, you won't need a second shot, either! The fact is that, for every instance of the Good Guy being blasted after putting X number of .38 bullets into a Bad Guy's carcass, there are thousands of instances where the .38 Special, whether in the hands of the Good Guy or the bad one, has punctuated a swift "period" to the fracas. If this were not true, the .38 Special would not be the 99 to 1 choice of law enforcement officers throughout the nation.

This heavy preponderance of .38 Specials in police work is not due to police ignorance of Big Pistol potentials. Literally thousands of police officers, expert pistolmen and keen students of handgun combat efficiency, have

tried the .44 Magnum, as well as the more recent .41 Magnum, and have gone back to their .38 Specials. Commonest reasons: too heavy to carry, too much danger to unintended targets due to unnecessary penetration, too much recoil for quick recovery of aim for second and subsequent shots.

To the average Mr. Citizen who doesn't plan to "carry" but intends only to keep a gun handy for home protection, the matter of weight may not be important. But you don't want a gun you are afraid to shoot for fear of hitting a neighbor in the next apartment, or even in the house down the street; and you do want a gun that will let you get a second and subsequent shots off quickly. Western fiction and Hollywood melodrama notwithstanding, expert pistolman don't always center the first shot under the pressures of combat, and the follow-up shots can make the difference.

All this has to do with that last-ditch, shoot-out which not one average Citizen in a thousand will ever encounter. Mr. Citizen's problem is far more likely to be the mugger who jumps him on the street or in his car, the prowler or burglar who invades his home. The mugger, nine times out of ten doesn't have a gun, can often be halted by one shot, even if the shot is fired into the ground, or by the sight of a gun in the hand of the intended victim. The burglar, gun-armed or not, is likely to depart in haste from a house in which a shot is fired.

I have had occasion to "use" a gun exactly twice, and that is probably far above the national average.

I was not long out of high school, and

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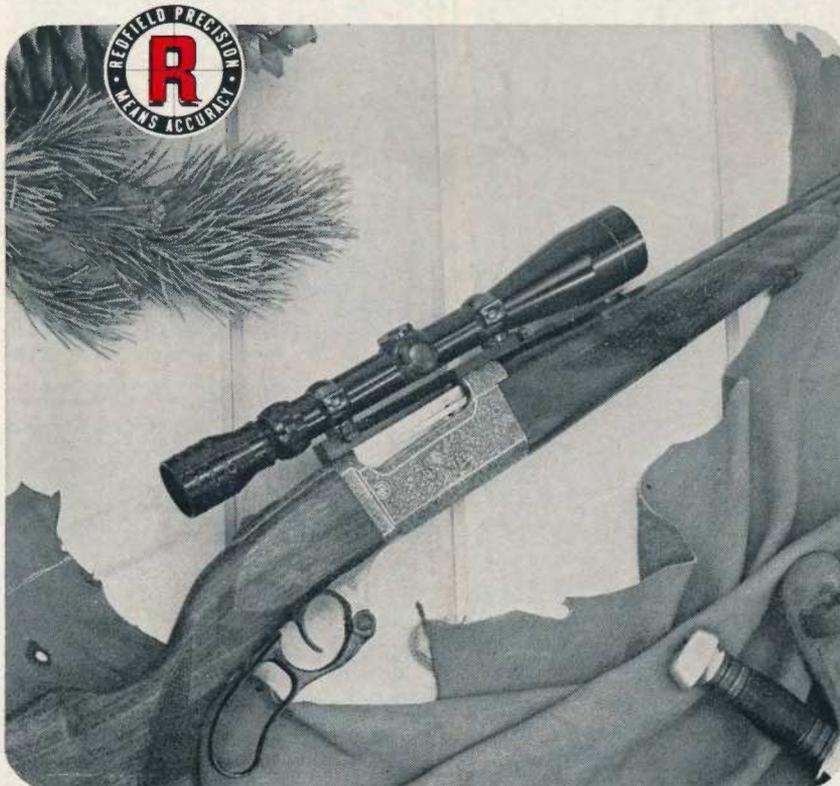
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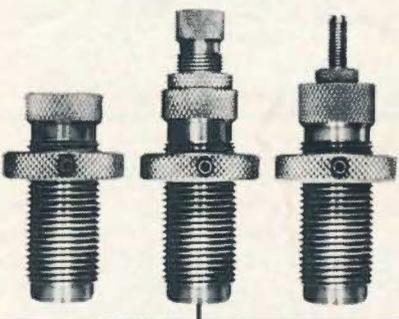


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the gun was a Colt Single Action .44-40. This was not a choice based on deep thought and great gun wisdom; it was the gun I had, the gun I was most used to. The occasion: a car surrounded by six drunken men blocking a road in the Florida pinewoods. When I stopped, the entire group closed in toward me—until two of them saw the shine of that Peacemaker barrel. I said "Step back. And get your car off the highway." Nobody ever got quicker or more courteous obedient!

On various occasions I carried a .25 caliber Ortgies automatic. It was good for concealed carry, and I was pretty confident that I could put several of those little slugs in a given spot, but fast, at ordinary 15-foot-or-less "trouble" ranges. The little gun got me out of a tight situation—without a shot fired. Just the sight of the gun was enough. What one chap did say was, "Don't shoot, mister. We're leavin'."

You see, a great many potential muggers are just not gun experts; they don't know that nothing less than a .44 Magnum will kill them!

I know a number of people, some veterans of combat, who pack .22 caliber revolvers as defense sidearms. I don't want those people shooting at me with those pipsqueaks. They're loaded with .22 Hi-power or .22 Magnum hollow-points, and you can depend on it that every one of those nasty little slugs that heads for you will hit within three inches of your belt-buckle. They won't knock you flat, but they'll make you the sickest man in the hospital, if you live to get there!

What's the best defense handgun? My answer: "The one you can shoot best, with greatest confidence."

That, in my opinion, is not likely to be a .44 Magnum; or a .41 Magnum either.

For my money, they reached the maximum of common sense in handgun calibers when they made the .357 Magnum—and even that could best be reserved for special uses in law-enforcement circumstances, by experts.

My present handgun for car and "carry" is a .38 Special Smith & Wesson Chiefs Special, Model 36. It is light (19 ounces), but not too light for easy handling and quick recovery from recoil with medium-strong Jugular-bulleted loads.

This gun went, straight from the factory, to Sgt. Al Kloch of the Skokie Police Department. He polished all points of friction on working parts and removed 2½ coils from the mainspring to lighten the double-action pull.

Cliff Schau (Cliff's Leather Craft, 2929 N. 78th Court, Elmwood Park 35, Illinois) made a little holster for my Chief that is a thing of beauty and a delight from the standpoint of efficiency. It adds practically nothing to the bulk of the gun at the belt, holds the gun perfectly angled and rigid. Cliff's snap-release retainer prevents gun drop-out, yet releases the gun instantly and without any extra movement in the execution of the draw. The simple grasping of the gun-butt throws the thumb against the leather-covered spring-steel spur of the retaining flap—and the gun is free. Unlike many generally similar holsters, this one gives you the gun in a ready-to-fire position.

Not long ago, I put five shots, double action, through a 4¼"x7" paperback book in five seconds. That is slow in terms of Ed McGivern, but those five bullets made an unholy mess of the back of that book. The little Chief may be a pipsqueak, but if it churns a man up the way it did that book, and that man still shoots back at me. . . . Well, you can't live forever. A man can even get hit by lightning.

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GUNS OF PANCHO VILLA

(Continued from page 31)

Colt's, Smith & Wesson, Merwin & Hulbert, and a great variety of others; and even percussion guns were used!

Pancho depended on his enemies to keep his troops supplied with weapons. He would go on an arms looting campaign periodically, but as his treasure chests began to swell, he began to purchase the best weapons available.

As Pancho Villa's army grew, so did his reputation. He was a glamorous and swash-buckling figure mounted on his favorite white horse wearing a big sombrero, crossed bandoliers, a silver plated six-shooter on one hip and a knife on the other, plus a Winchester stuck in a saddle scabbard. The death's head was his brand.

In 1913 Villa formed his famed Dorados. This was his personal bodyguard, consisting of three squadrons of 100 men each. They were the best equipped of Villa's men, each with two horses, a 7 mm Mauser carbine, two Colt .44's, 300 rounds of ammunition, olive drab uniforms, and a 5X Stetson. A group of tough American cowboys, all self equipped and armed to the teeth, joined Villa's army. They believed in and fought for Pancho's cause.

General Francisco Pancho Villa's career became a fantastic story of deeds—good and bad—all of them told countless times. Buffalo Bill Cody was so attracted to Pancho Villa's reputation and publicity that he offered him a place in his Wild West Show. But Pancho had other ideas and besides he believed in real shooting.

Pancho Villa displayed his tiger-like courage in battle with a six-shooter in each hand spraying bullets. He inspired his peon troopers. When Pancho needed him, the peon would drop everything, grab his horse and rifle. What else mattered? "Viva Villa!" As Villa came into power and wealth, he deposited money in New York, San Antonio, and El Paso banks. The red carpets were rolled out, for Villa was a great spender. The Winchester Firearms Company were at Pancho's beck and call. He bought food, clothing, war materiel, ammunition, and weapons with gay abandon. His army became well equipped, including artillery and machine guns. When the United States placed an embargo of arms to Mexico, Villa simply obtained his arms and ammunition through smugglers and gun-runners.

Pancho Villa's colorful career and power did not last. In the early part of 1915 he began to quarrel with General Carranza, the new power in Mexico, and Villa was forced out of Mexico City. The United States, which at first supported Villa, withdrew its support from him and backed General Carranza. After a number of assaults on American citizens in Mexico, Villa's raiders, heavily armed with rifles, pistols, and ammunition bandoliers, invaded Columbus, New Mexico in 1916. This was enough provocation for President Wilson to send General Pershing into Mexico in pursuit of Villa and his rampaging army.

Pancho Villa evaded capture and was later granted amnesty from the Mexican government. The fangs had been removed from "The Tiger of the North." Then came Villa's unlucky day. On Friday July 20, 1923, he and four of his bodyguards were ambushed in Pancho's Dodge touring car. They died as violently as they had lived, shot down by assassins.

It is quite natural to wonder about the guns that were associated with Pancho Villa. The natural place to find a Pancho Villa gun is Mexico. All along the border, from Tijuana to Matamoros, you will find someone eager to sell a genuine "Pancho Villa Pistol." It may be a Colt Single Action Army revolver with mis-matched serial numbers, patched grips, and in abused condition—

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hardly the type of gun you would expect worthy of a General. But didn't the General have a big army and many guns?

Many of Pancho Villa's personal mementos are in the home of his widow, Senora Luz Corral de Villa, who has turned her home at Chihuahua City, Mexico, into a small museum in which are on display all of his personal belongings, including the old Dodge car in which he was slain, and a collection of weapons claimed to be his.

During the revolution Villa used just about every type of gun he could lay his hands on. Colt Single Action .45's, Remington .44 caliber revolvers, Smith & Wesson .44 caliber pistols, and the Winchester .44-40 caliber carbine were favored guns carried and used by Pancho Villa. Villa's brother, Hipolito Villa, states that he obtained Pancho's revolver, a Smith & Wesson .44, the day following the assassination and that he gave it to their cousin, Benedito Franco Arambula, with the holster and shell belt. Franco Arambula was a large man and he was able to wear it. Later he gave the gun and holster to Senora Luz Corral de Villa, Pancho's widow. This is supposed to be the last pistol used by Villa. As he was dying, he fired a shot into the heart of one of his assassins with this Smith & Wesson revolver. One of Pancho's cousins had a rifle that was presented to Villa in Torreon around 1918. It was a German bolt action rifle marked "Berlin 1916—8 mm Deutsche Waffen Und Munitions Fabriken."

There are many weapons that supposedly were associated with Villa and his army. These guns are scattered in collections throughout this country and Mexico, some in private collections, others in museums. Their authenticity is sometimes doubtful since each passing year makes it more difficult to trace these "famous weapons" to their original owners.

One such revolver is in the famous Saunders Museum of Berryville, Arkansas. This is a Colt Single Action Army revolver, caliber .45, silver plated with the name "Pancho Villa" engraved on the butt. The right grip is burned brown from the sun where it was carried in the holster. The grips are decorated with a steer's head adorned with gold horns, rubies, and a Mexican gold coin and a gold name plate.

Another "Villa Gun" is a Smith & Wesson, caliber .44, 8 inch barrel, serial number 3889. This gun is a part of the famous Davis Gun Collection, contained in the Mason Hotel, Claremore, Oklahoma.

Still another Villa piece was noted in a Wanted advertisement several years ago. This gun was described as a Colt Single Action Army revolver, caliber .45, 4¾ inch barrel, factory engraved, nickel plated, ivory grips, "Pancho Villa" inscribed on the backstrap, serial number 307599. It would be interesting to find out if this gun has ever been discovered and if it is a true "Villa Gun."

In the Pancho Villa Museum at Columbus, New Mexico, there are many mementos of the Mexican raid of 1916. Seemingly everyone in the area found something in the debris of battle the following morning which "undoubtedly" belonged to Pancho Villa. There appears to be some doubt about Villa's presence during the Columbus raid, with one faction claiming that he was there, the other saying that he wasn't.

An 1866 Winchester silver-plated saddle

ring carbine, caliber .44 center-fire, was found in Mexico. This rifle has the name "La Concha" engraved upon it, and once belong to La Cornela—the lady Colonel who was one of Pancho Villa's most trusted lieutenants. She was a marksman with a considerable reputation who was encouraged to become a part of Villa's revolutionaries.

Perhaps the most investigated Villa gun is in the collection of Bob McNellis, Jr., of El Paso, Texas. His uncle, Miguel Trillo, was Pancho Villa's secretary and treasurer, and was killed with Villa at Parral, Mexico. This relationship has been an asset to Bob in giving him an "inside track" in tracing down his famous Pancho Villa Colt. The gun is a Colt Bisley Model, Serial No. 322053, caliber .44-40, 5½ inch barrel, worn blued finish, and equipped with pearl grips.

This is the step by step story of what was involved in tracing the history of this Villa gun. Colt factory records revealed that the gun was one of a pair shipped to the Kraykauer, Zork, & Moye Hardware Co. of El Paso, Texas, on October 29, 1912. McNellis was able to contact a former official of the now defunct Zork Co., who checked the old firearm records and found that the Colt had been one of a number of guns sold on February 11, 1914, to a man named Jesus Rias in a cash transaction.

Jesus Rias was an El Paso customs broker and well known as Villa's "front man" in El Paso. Unfortunately, Rias was killed about 50 years ago.

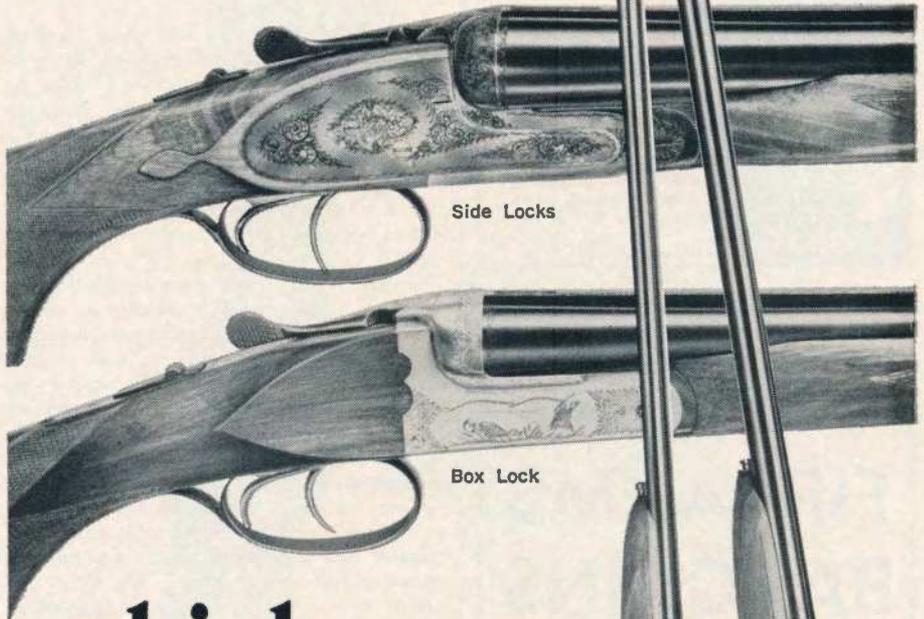
Assuming that most of the firearms Rias procured for Pancho Villa went into Mexico by rail, McNellis was able to secure the link from an old railroad man, A. F. Escontrias, who verified that all guns bought by Pancho through Rias were smuggled into Mexico. This was accomplished by taking the guns from the factory cases, wrapping them in rags, and stowing them in the bottom of coal cars. A layer of boards was placed over the guns, and the boards were covered with coal. Somewhere along the line Pancho Villa's men stood ready to hijack the train and arm themselves in the manner they had grown accustomed to. General José C. Ruiz, one of Villa's officers identified this Colt. In a signed statement, he said:

"In Chihuahua City, Mexico, on September of 1915, he (Villa) gave him (Ruiz) this gun. At the time he asked me what kind of a gun I carried, and I answered, a .32-20. Then General Villa took that gun from me and said, 'Here is a real gun so you can defend yourself.' General Ruiz recalled that Villa had observed that three shots from General Ruiz' .32-20 had failed to kill a man, but that the fourth shot, the first one from the Colt Bisley .44-40, proved fatal.

Pancho Villa still lives in the memories of the peons, just like their ancestors who had fought with him to the end. He is becoming a hero in Mexico and the anniversary of his death has been observed nationally for the past years. And every once in a while you can still hear the cry "Viva Villa!"



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PADDLE FOR DUCKS

(Continued from page 33)

gauge, a modified barrel will place 14 more pellets inside the 30 inch circle at 40 yards than it will with the 1 ounce load. Going to the standard length 16 gauge Magnum would actually weaken the pattern, since I'd have to use No. 4 shot and would throw 40 fewer pellets into the circle. The No. 4 pellet would retain more punch, granted, but it's denser patterns that consistently give you cleaner kills.

Federal regulations permit shooting at ducks a half-hour before sunrise, so that's when we push off. To save precious time before dawn, load the car the night before and have the destination all agreed on. "Well, where'll we go?" is not a question to be debated in the morning.

As you become more familiar with the streams about you, you gradually develop a feeling for where the ducks are apt to be at various times and on different days. If a trapper has gone downstream ten minutes ahead of you, for example, you won't see many birds. A feeding ground exposed to an east wind isn't going to be as busy as a more sheltered area when the wind is easterly. Weather reports about storms north of you help judge when the next flights will be landing near you. You also learn that in

rainy weather the ducks will often land on tiny, surface water ponds, rather than in the streams. Then you hope for ice to lock up the puddles and ponds and drive the birds to running water. Local trappers are a good source of information.

You must be quiet. The more quiet you are, the closer you get to your quarry. The smallest of sounds—grating of a keel on a sandbar, clink of a ring against the gun barrel, splash of a poorly handled paddle—all spell danger to a flock. And though they wait until they see you before flushing, once warned they remain alert. A wary flock will be absolutely still; a flock that hasn't heard you will be quacking and gabbling, feeding and splashing in the water.

Once afloat, you watch and listen for signs of ducks. Puddlers eat mostly vegetable matter, wild rice, grasses, and water plants, and leave small pieces floating in the water. You'll often find this material, or feathers from preening birds floating down or lodging along the banks. Oaks on the banks will be dropping acorns where ducks can reach them, so don't be too surprised if you find birds ashore. If you approach a feeding flock carefully, you'll hear them long before they hear you. They splash and chatter much like

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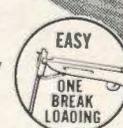


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children playing in the water. Then you crouch lower and pay closer attention to your paddling. For absolute silence, keep the paddle always in the water. When you'd normally lift it clear of the surface after the power stroke, turn the blade parallel to the keel and return it in the water.

With this stroke you can paddle right by someone in a shore blind and he'll never hear you. But be sure you keep the paddle off the bottom as well.

The moment that a bird flushes calls for fast, sure action. There's no time for counting or admiring. With two men along, the bow man is the gunner. He should always be ready to shoot, sitting with the gun across his lap. When alone, you should have the gun propped muzzle up on a thwart, butt on the bottom of your shooting side. Drop the paddle as soon as they jump and grab the gun with both hands, never taking your eye off the duck you've picked as a target. He should be one that jumped with the flock; don't pick one of the loners that flush separately. Then if you kill with your first shot you won't have to swing far to get on a second bird. But aim at that one bird, not the whole flock. Stay on him and don't change targets in mid-swing.

Ducks present an infinite variety of shots, from the easy, straight-away one to my Waterloo, the bird that jumps wide to the right and flies straight back parallel to the keel of the boat. This one demands more flexibility than the human body can offer unless you take the shot left-handed or shoot from a pivoting seat. Habit is too strong for me to shoot from either shoulder, and the seat is excess baggage.

What isn't excess baggage, even when going alone, is a second paddle. When you drop a paddle to grab your gun, the current will move the paddle along at the same speed as the boat, and you'll usually find it alongside when the shooting is over. But occasionally you get excited and push the paddle as you let it go, or the boat hangs up on a sunken log and you have to "crutch" it over. You'll find the second paddle quite welcome.

To guarantee safe shooting, only one loaded gun is a good rule. The paddler keeps his empty and the action open, protecting the bow man. His inability to turn very far around protects the paddler from accidental swings of the muzzle. Many times both men can get shots at a jumping flock, but the risks are too great, and we're willing to wait our turns. Paddling is a full-time job, when there are two of you, and only by concentrating on it can you do a good job of keeping the canoe moving along smoothly and silently, swinging it into the best position when a shot can be taken. If a flock breaks to the side, for example, the paddler can swing the bow hard over to give the gunner a straighter shot. Hit or miss, we change positions after the gunner gets a good chance. The exercise is welcome on cold days.

We have a lot of fun paddling for puddle ducks, learning to shoot better and handle a boat more efficiently, finding new fishing areas, watching muskrat and an occasional deer. You'll have some great times, too, if you give it a try.



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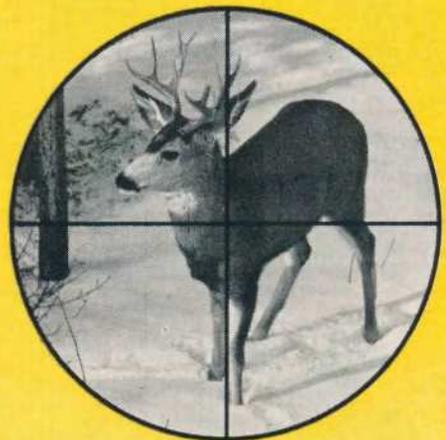
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THE REBIRTH OF THE 8 MM

(Continued from page 35)

have his head in this respect. With an extremely damp and humid spring and a somewhat soggy summer, I must admit that Dave's stocking and tight bedding paid dividends—there was not the slightest sign of stock warpage. Part of this miracle—and in this area it is a miracle if gun stocks don't warp—is explained by the fact that Dave not only finishes the external parts of the stock, but also the barrel channel and even the wood under the recoil pad. The gun is well stocked, and the stock design absorbs much of the recoil which in the 8 mm Magnum is not inconsiderable. I'd compare the recoil with that of the .338 Winchester Model 70, or the short carbine version in the same caliber that is being

Norma cases, and from .300 Winchester cases, but the latter require trimming to 2.550". The chamber is 2.555 long and Dave found that a 28° shoulder on the case gave the best possible ballistics. Incidentally, all of Dave's magnums are glass bedded in the recoil lug area, and none of them have ever shot loose or lost their accuracy due to stock trouble. Since the .323 Ernst Magnum is a pretty hot number, it can be expected that barrels will eventually shoot out, but barrel wear is probably no more severe in this caliber than in any of the other belted magnums.

Since this caliber is strictly for hand-loaders, Dave furnished a set of Pacific dies that he reamed out for the .323. Practical-

LOADS FOR THE .323 ERNST

Load #	Bullet	Charge	Powder	MV	Remarks
1	150 gr. Hornady	76.6	4350		This is Ernst's best 150 gr. load, very mild. Accuracy fair, although I did not have much luck with any of the 150 gr. bullets.
2	175 gr. Sierra	73.4	4350	3097	1.25" for 5 shot group with heavy rifle.
3	175 gr. Sierra	72.5	4350	3030	In light rifle, this appears to be max., 3 shots 1.125".
4	197 gr. Norma	73.6	N 203	3065	Ave. accuracy with heavy rifle was 1.25-1.5" at 100 yds. At 100 meters, 9 shots with 10th shot called, groups averaged 1.375". Mild load.
5	225 gr. Speer	69.9	4350	2600	Best load as indicated by Powley computer.
6	225 gr. Speer	68.0	4350	2551	A mild, but not very accurate load.
7	225 gr. Speer	69.5	4350	2617	Accurate! Ave. 1.250-1.375".
8	225 gr. Speer	73.5	4831	2711	3 shot ave. 1.6-1.8". With CCI #200 primers, same load consistently gave 2.3-2.5" groups.
9	225 gr. Barnes	73.6	4831	2980	Ave. groups ran 1.25". Twenty shots gave a 3.25" group at estimated 225 yds.
10	250 gr. Barnes	71.4	4831		Ernst considers this the best heavy bullet load, ave. 1.5", but this load was not tested by me.

sold by Tyrol Sport Arms—recoil is hefty but not unpleasantly so.

All of the guns Dave builds carry Douglas Premium barrels, and for the .323, he uses a 1 in 10 twist. Grooves are 0.3232, lands mike 0.3167, and considerable experimentation by Dave has shown that the 23 inch long barrel not only gives the best velocities, but also is the handiest barrel length and stabilizes most of the 8 mm bullets well. The 125 gr. Speer bullet does not do very well in the magnum, and the 150 grain bullets by various manufacturers left much to be desired accuracy-wise. Cases for the .323 Ernst Magnum can be made from .308 Norma Magnum brass, from unformed .300

ly all of the jacketed bullet makers offer 8 mm bullets with Barnes, Hornady, Norma, Sierra, and Speer offering bullets from 150 gr. to 250 grains.

Primers were CCI 250 Magnum Large Rifle primers, and I used the Herter chronograph with 10 foot screen spacings. Because of the muzzle blast the .323 Magnum develops, muzzle to start screen distance was a measured five feet, and I used Herter as well as Avtron screens. Power for the chronograph was supplied from the 12 volt battery from my Toyota Land Cruiser, and verification tests were made with the same set-up, but with the chronograph powered by dry cells. All velocities measurements were made

with 10 shot strings, but because of the great amount of barrel heating that occurs when long strings are fired through the sporter barrel, chronographing was broken up into five shot strings, and unless otherwise shown in the table, for grouping I fired three shot strings and group measurements are extreme spread.

What is the purpose of the .323 Ernst Belted Magnum? Wildcats come and wildcats go, and very few of them live long enough to make a real impression on the average shooter. This belted magnum will, I believe, be around for a long time to come. It may never reach the popularity status of some other wildcats such as the .219 Donaldson Wasp or Gebby's .22-250, but big game wildcats have naturally a more limited appeal than a varmint cartridge. The Ernst Magnum is a caliber that has a great deal of power behind it and it has already proved itself in the field as a highly efficient big game cartridge. Ernst and some of his shooting cronies have taken elk, moose, and bear with several of the test rifles, and the heavier bullets churn up enough oomph to make them suitable for all North American big game.

When you look at this cartridge from the economic point of view, it has several things going for it. Ernst builds a standard grade gun in this caliber for \$160. This includes a fancy stock, contrasting fore-end and pistol grip cap wood, recoil pad, QD swivels, and an engine turned bolt. If you want to get fancier, he'll build them as fancy as the next custom 'smith, but as far as he is concerned, this standard version is good enough to kill game and dolled up guns don't kill any better than a standard grade rifle. For the dollar conscious shooter, the Ernst Magnum has the advantage that it takes a standard length action, that 8 mm barrels are plentiful and inexpensive, and that there are a lot of fine bullets to choose from. Thus, you can have your big game wildcat build up slowly, sort of piece by piece, and when all is said and done, you'll have a rifle that has more power than the .30 caliber magnums, and this 8 mm wildcat will do nearly everything that the bigger calibers are capable of doing. But is not necessary to have one of the guns built up from scratch. If you have an obsolete 8 mm around, or one that could stand rejuvenating, Dave will ream her out, providing the gun is in sound condition.

Accuracy of the magnum is hardly ever as outstanding as that of most of the lighter and smaller calibers such as the .222 Remington, the .22-250 Remington, or the .243 Winchester. Average groups of 1.5 inch at 100 yards are well within hunting accuracy, and a 20 shot group, fired at an estimated—that is stepped off—225 yards, measures only 3.25" is pretty darned good in my opinion. I have seen and fired a number of custom and factory rifles in comparable calibers that never grouped better than two inches at 100 yards, and in all this accuracy bit, it must be kept in mind that we are more concerned with hunting accuracy than with bench rest accuracy.

Now that we have a new version of the 8 mm, and a good one at that, there is no reason why the .323 Ernst Belted Magnum should not carry on that tradition—a fine big game cartridge for the handloader.

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A LOOK AT OUR RECORD

(Continued from page 21)

firearms dealers and executives in the firearms industry. Industry people and other interested individuals and firms purchased thousands of additional copies for distribution to members of various state legislatures, libraries, and others.

WORLD OF GUNS has been called "the finest tool, the finest compilation of reference material, the most effective weapon ever offered for the struggle against anti-gun legislation." No other commercial publisher in this field has ever spent so much of its own money, so much of its own talent and effort, in any comparable endeavor to serve the firearms industry and the shooting sports.

We are neither new nor novice in the defense of guns and the gun sports against anti-gun legislation. We are combat veterans, well trained in the fundamentals of this warfare, participants in the executive councils of the leaders of the pro-gun armies, loyal to the overall effort.

We published our first article on firearms legislation in GUNS in the August 1955 issue. It was titled "What's Wrong With Gun Laws," was written by a Chicago police officer who complained that "The laws all

seem to be geared to take guns away from the ordinary public, from the person who might need a gun to defend himself against a crook." He stated, as front-line fighter in the war against crime in a dangerous city jungle, that anti-gun laws never prevent crime, never catch criminals, merely rob the police of civilian assistance in a losing struggle. . . Sounds familiar? It should; we've published it countless times, from many sources.

Since that issue, we have published, in one or another of our magazines, more pro-gun information, more "ammunition" against anti-gun legislation and anti-gun propaganda, than any other magazine.

In June, 1959, we began (and have continued ever since except for a brief period when we literally "ran out of lawmakers") a department called "Know Your Lawmakers"—described by countless readers as "the best tool ever offered for the political approach to problems of federal firearms legislation."

By 1961, our position in the forces fighting anti-gun legislation was so well established that E. B. Mann, Editor of our "Finest In

The Firearms Field" publications, was the only magazine editor invited to participate in the discussions in Washington, D. C., between representatives of the firearms industry and the shooting sports, and members of the Dodd Committee, regarding federal firearms legislation then being written.

Early in 1963, we began spending our own money (for legal assistance, for advice from experts in constitutional law) in the preparation of a "Pro-Gun Law" for passage at federal and then at state levels, to supersede the worthless, conflicting statutes already in existence, and replace them with unified, effective, fair, constitutional codes of firearms controls designed to hurt the criminal but not the law-abiding citizen and sportsman.

The anti-gun madness following the assassination of President Kennedy forced us to forego those labors and devote ourselves instead, in cooperation and collaboration with all other pro-gun forces, to defensive measures against those who would destroy, in part or in toto, the future of the shooting sports and the future of the shooting industry in America. But our work is not all wasted; and the idea is not discarded. It merely hides its time.

One weapon that has brought more confusion to more enemies of guns throughout the post-assassination hysteria than others is the statement, published in the April 1960 issue of GUNS, in the "Know Your Lawmakers" department, of John F. Kennedy himself when, as the Junior Senator from Massachusetts, he stated his firm belief in the Constitutional "right of each citizen to keep and bear arms." John F. Kennedy would not have sponsored legislation to destroy the rights he supported; and GUNS gave pro-gun people the man's own words to prove it.

In all matters regarding firearms legislation, GUNS and its sister publications have been aggressive but never irresponsible. We have not always agreed with the will of the majority in the planning of pro-gun efforts, but we have supported those efforts. We have kept informed and in step with overall programs—never jeopardized those programs by self-praising outbursts of name-calling, by belaboring issues already dead or promoting action innocently but ignorantly calculated to obstruct gains already in progress. We have not resorted to sensationalism for circulation; we never will.

And we have avoided like the plague all contact, real or "by association," with radical groups whose interest in guns is for violence.

We have never published an article because it was sensational, or rejected an article because it was controversial, provided the controversy was tenable and the arguments well founded.

We have never given away magazines or subscriptions to pad our circulation figures.

We have sought the best writers and the best subjects to serve the most people best, without hurt to any.

We have not always succeeded; nobody is perfect. We have not always been right, but we have never been venal. Our aim has been, is, and will be to serve the shooters, the shooting industry, and the cause of shooting freedom.

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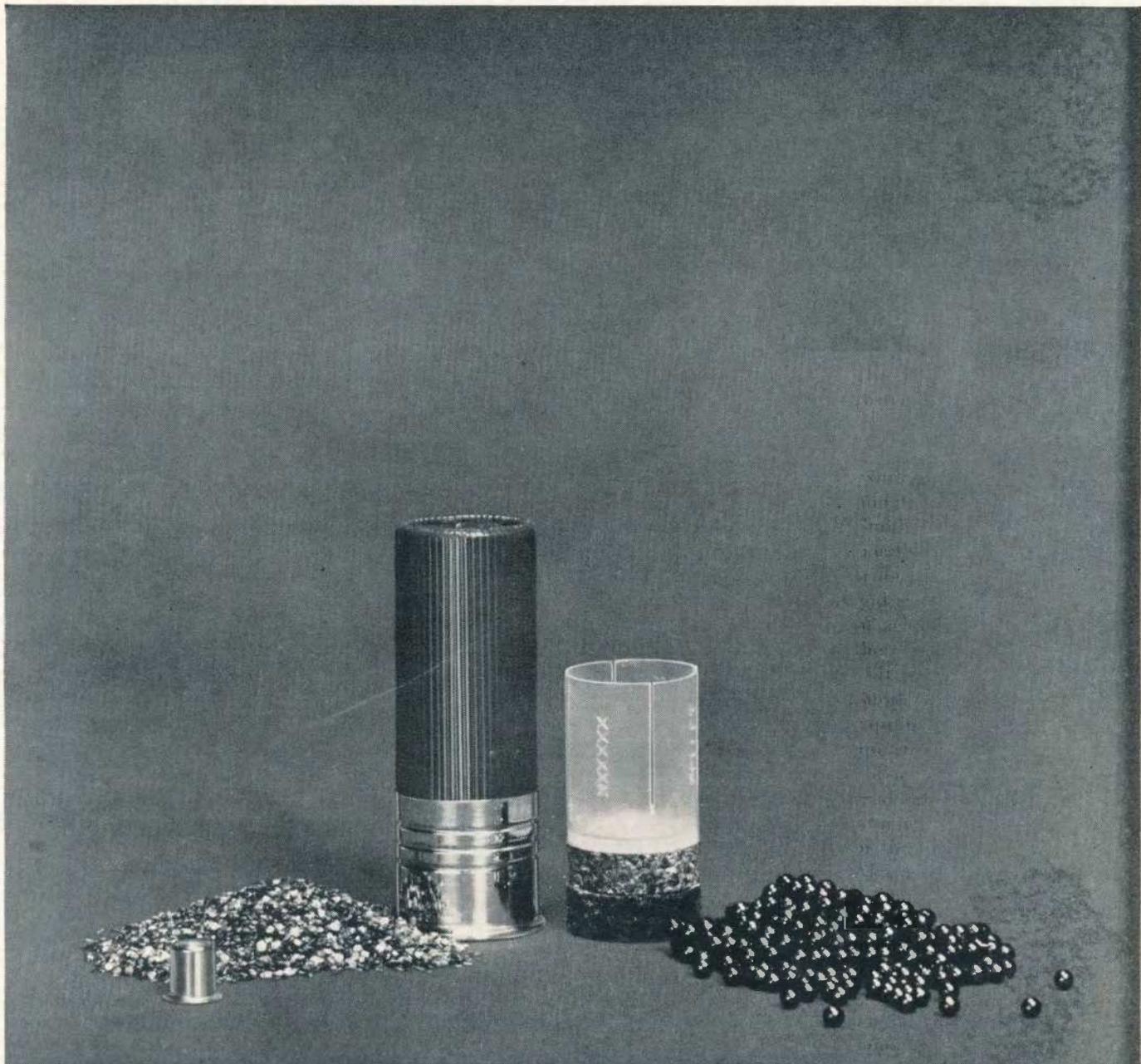
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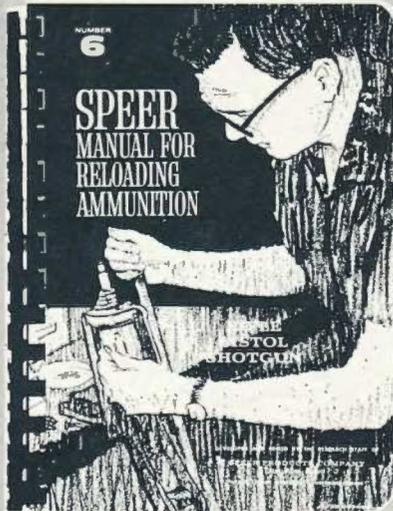
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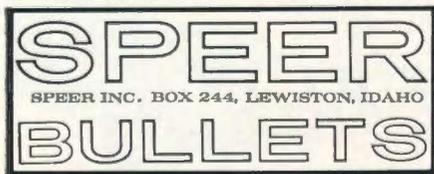
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THE STORY OF COLT VS. ADAMS

(Continued from page 24)

The reaction from Colt's via Van Oppen, was a request to put the pistol to the test, and a trial was arranged for October.

The revolver chosen to compete against the Colt was the Adams center-fire, the official British Army revolver.

A double-action, solid frame, six shot revolver, it was chambered for the .450 Boxer cartridge, which consisted of a thin brass shell riveted to an iron base. When empty the pistol weighed about 2 pounds 8 ounces. It was loaded and unloaded in a manner similar to the later Colt Peacemaker, by a hinged gate on the right hand side, and an ejection rod alongside the barrel.

John Adams patented the revolver in October 1867, when he was a partner in the London Armoury Company. When his revolver was adopted by the British Government in place of the muzzle-loading Beaumont Adams, John Adams and the London Armoury parted company. Under the name of Adams Patent Small Arms Company, he went into business in London's Strand.

The exact date of the trial in October, 1869, between the Adams and the Colt is not certain because most of the press reports, which are dated between the 21st and 23rd of the month, merely refer to the trials of "last week."

London's leading newspaper, "The Times," gave the best account, and its coverage took up

a column and a half of its October 21, 1869, issue. It was pointed out that the trial had been arranged for the satisfaction of Mr. Healey, Editor of "The Engineer." The trial took place at the Government Small Arms Range at Woolwich Arsenal, specially loaned for the occasion. Two Royal Artillery officers, Captains Majendie and Slessor, officially employed in the Royal Laboratory, were present to note the results and see that the experiment was fair.

"The Times" went on: "Mr. Adams shot with his own pistol; Mr. Lawrence represented the Colt converted arm, though another gentleman, an amateur, undertook the actual practice. Mr. Healey supplied a proportion of the ammunition, having bought it from the respective inventors. The rest was brought down to the ground by the competitors."

At this point it is worth noting that "The Engineer" had this to say of the ammunition: "The cartridges used throughout the trials were filled by Messrs. Eley Brothers, and we regret to say with not a little irregularity. In several instances the charge appeared distinctly short, and in one case this evil was carried to a minimum, a Colt cartridge being found to be absolutely destitute of powder or lubricating wad. Of course it is not to be supposed that inaccuracies of loading are impossible, but every care should

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be taken to guard against the issue of empty cases properly capped and with the bullets inserted."

The first experiment was to test rapidity only, 24 rounds were fired from each pistol. The cartridges were placed on a table close at hand, and the pistols had to be empty at the start of the experiment. Only when the last empty cartridge was ejected from each pistol would the test time be completed.

Two sets of 24 shots were fired, the first using ammunition brought along by the competitors and the second supplied by Mr. Healey. The results showed that the Adams took 1½ minutes and 1 minute 35 seconds respectively; the Colt took 2 minutes and 2 minutes 20 seconds. This resulted, according to "The Times", in a mean time for the Adams of 1 minute 32½ seconds and 2 minutes 10 seconds for the Colt. The superiority of the Adams was about 38 seconds or 41 per cent.

The competitors next tried shooting for accuracy, using an ordinary hand rest. At 60 yards, using ammunition supplied by the respective inventors, 24 shots were fired. The Adams' target was 5.45" and the Colt 8.62". Mr. Healey's ammunition was then tried and the Adams made a grouping of 7.25" compared to the Colt's 9.7". The Colt missed once (possibly the powderless cartridge referred to) and had this been counted as a hit on the edge of the target nearest to the point aimed at, the figure would have been 9.75".

Moving in to 30 yards, and using ammunition brought along by the competitors, the shooting resulted in a grouping for the Adams of 3.37" and for the Colt 6.79".

It was next decided to test rapidity and accuracy at both 60 and 30 yards, 24 rounds each, using Mr. Healey's ammunition. At 60 yards the Adams group at 7.91" in a time of 2 minutes 32 seconds. The Colt group measured 11.70" in 2 minutes 55 seconds.

The two marksmen then shot at 30 yards, and this time the Adams group at 5.62" in 2 minutes 5 seconds, and the Colt 5.16" in 2 minutes 55 seconds—the same as for 60 yards. The over-all superiority of the Adams was: Accuracy 2.37" equal to 40 per cent, and in rapidity 29 seconds or 19 per cent.

By now the Colt side must have felt pretty demoralized, especially as it became obvious that their unnamed marksman did not seem to be doing as well as they believed their weapon was capable. Something of a similar thought must have occurred to the correspondent of "The Times" because he expressed the opinion: "We cannot, however, but believe that the apparent superiority of the Adams pistol is greater than its actual superiority. The gentleman in whose hands the Colt was placed for firing, and whose name we do not know, was said to be one of the best shots in London. But when, at a later state of the experiments, the results of penetration only was to be determined and good shooting had nothing whatever to do with the matter, the Colt pistol was intrusted to Captain Slessor, R.A., and he made better practice at 60 yards than the London amateur had made at 30 yards. It has always hitherto been believed that the Colt pistols shoot straighter and hit harder than the Adams. Possibly the 'converted Colt' may have lost these advantages. It is certain, at least, that it has lost, if it ever possessed, one of them, as will be apparent from the results



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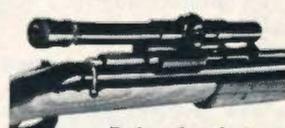


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of the trials for penetration, which we now proceed to give.

"The target was composed of a number of half-inch dry elm boards, one inch apart. The competitors were to fire until each of them had succeeded in putting six shots at 60 yards range and six shots at 30 yards range into the small space offered by the target. The ammunition was throughout that brought by Mr. Healey. . ."

The Adams penetration at 60 yards was four boards and a denting of the fifth. the Colt's best was the penetration of three boards and denting the fourth. This gave a mean penetration of 3.5" for the Adams and 2.33" for the Colt.

At 30 yards, the Adams penetrated four boards and dented the fifth and the Colt penetrated four but did not dent the fifth. This gave the Adams a mean penetration of 3.16" compared to the Colt's 3", making the over-all superiority of the Adams for penetration about 25 per cent.

In its summing up "The Times" said: "The question which will probably arise in the minds of those who already possess Colt's unconverted revolvers, 'Shall we sacrifice a probable superiority in accuracy of shooting and penetration for the sake of greater rapidity of loading—shall we, in fact, pay for having our pistols converted into breechloaders?' must be answered, according to our opinion, in the affirmative. The results of the experiments last week show that intending purchasers of new pistols will be wise to buy the Adams rather than the Colt, but that those who are already in possession of Colt's revolvers may be quite

content with having them converted into breechloaders on the new system. . ."

There can be little doubt that the result of the Woolwich trial was a bitter blow for Colt's. "The Times'" suggestion that in converting their pistols they had lost something of the original accuracy and penetration of the cap and ball weapons was true. Experiments carried out in the 1850's had shown that the penetration of the .44 Dragon and the .36 Navy was equal at certain distances to regulation muskets. So far as accuracy was concerned, tests made in the 1920's, with near factory condition Colt and Remington percussion revolvers, had shown that the weapons easily grouped in a five inch circle at 50 yards.

But even allowing for the poor marksmanship on the part of Colt's unknown pistoleer, there is no doubt that the converted Colt was inferior to the Adams revolver. Yet despite the failure of the Thuer conversion, Colt was already preparing to enter the cartridge field in earnest. The United States Government had refused Rollin White's application to have his patent extended on the grounds that it would force them to pay a large royalty to White and Smith & Wesson for the privilege of altering revolvers to cartridge when they had already been well paid.

At long last the door was open to Colt and their rivals. It was now but a short step to the cartridge revolver that was to reinstate Colt's as the leading light in the American gunmaking field—The Peacemaker—and wipe out the memory of the Colt that tried and failed.



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GUN RACK

(Continued from page 13)

Hunting Knife

Lee Olsen Jr., veep of the famed Olsen Knife Co., Howard City, Michigan, talked me into buying a new hunting knife not too long ago. On a bet, I tried the knife and ruefully admit that Lee won the bet—I cleaned and skinned a big black bear without having to sharpen the knife one single time and the blade is as sharp today as it was the day I got it from Lee. Lee, who is a hunter and shooter, imports a fine compass that doubles as pocket compass and can be

clipped on your hunting jacket with a special carrying device. The compass is liquid filled, stays true even when carried near a gun, and is tiny enough to fit into a pocket easily.

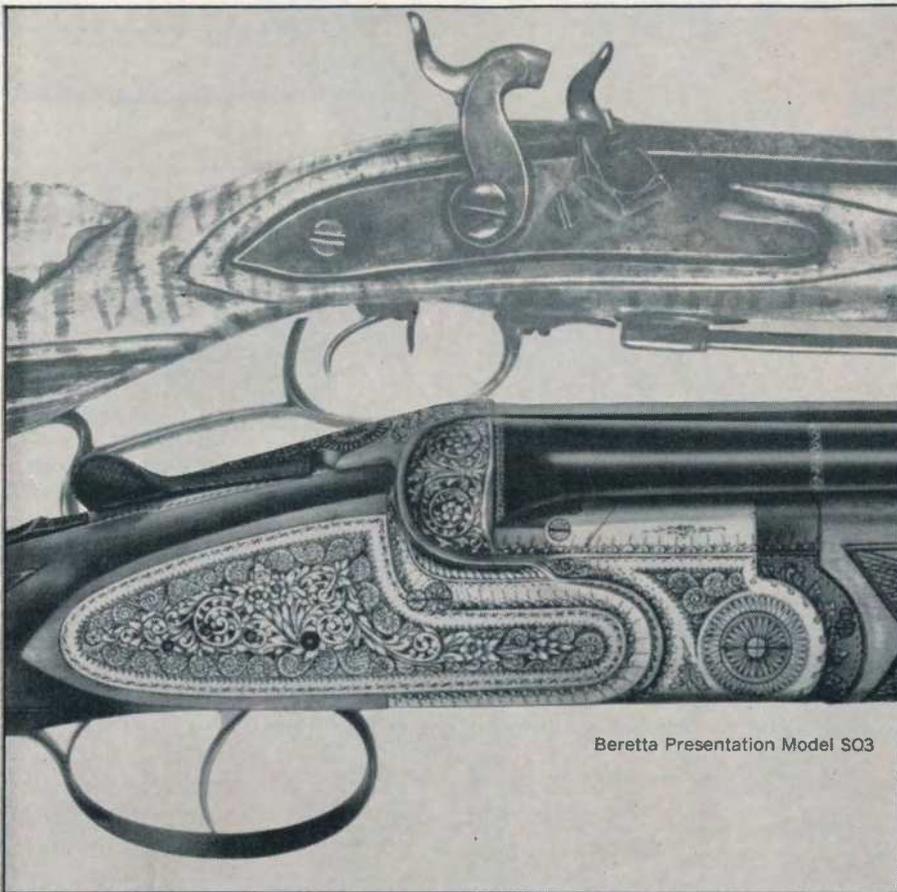
Savage 99C

Introduced early this year, the Model 99C is different from other 99 models only in the fact that the box magazine is detachable—a feature long clamored for by those who like

the 99, and there must be millions of them. The test gun, chambered for the .308 Win. cartridge, was, as are most of the 99's I have fired, a bit stiff in the beginning, and with a 4X scope in Williams rings and mount, accuracy was not too hot with 5 shot groups averaging around 3 inches at 100 yards. After some 40 rounds, feeding and extraction became much smoother, and accuracy with the same lot of Winchester and Federal factory ammo became much better. For the record, we fired 4 shot groups, the capacity of the magazine, and these groups averaged consistently 2 inches from center to center. Trigger pull was a bit on the heavy side and our trigger pull scale indicated that the trigger broke at 4.75 lbs. Handloads with several powders, primers, and bullets did not improve accuracy to any remarkable degree, and RDH .308 Win. reloads proved to be too hot for the Model 99M with excessive force required to open the lever after the round in the chamber was fired. The 99C is pleasing to the eye, shoots well enough for hunting use, and it is hoped, that the Model 99 will be around for a long time to come.

Shooting Glasses

There is something new in shooting glasses! Made by M. B. Dinsmore, Dept. G, Box 21, Wyomissing, Pa., these shooting glasses, available in yellow for gallery shooting, and a smoky grey-green, come in frames which are very like those found on regular eye glasses. The bow is springy and conforms easily to the head and the ear without pressure, the glasses are lightweight and therefore pleasant to wear, and ear pieces can be adjusted for comfortable wear without fear of bending them out of shape permanently.



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More Power-Lokt Tests

We have reported on the inherent accuracy of Remington's new bullet, and can now report on the factory ammo in .222 and in 6 mm Remington. The Remington R&D boys really went to town when they developed these bullets, and accuracy in all our tests has been outstanding. It would not be surprising to find these bullets on the bench rest firing line in the forthcoming matches—forthcoming as this is being written—and accuracy has been excellent as has been expansion tested in the bullet recovery box. In the 6 mm Remington Model 700 accuracy was a fairly consistent 1.00 to 1.18 inches, but extreme humidity conditions had affected the wood of this rifle and free-floating of the gun will probably improve these groups somewhat.

In our personal Anschutz Model 1532, which is topped with a Unertl 8X USMC sniper scope in target mounts, and with a breeze blowing all over the place, five shot groups were just under one inch, while three shot groups, timed to be fired when wind velocity died down somewhat, were 0.625 inches in four different shooting sessions. I should perhaps mention that this particular rifle is very sensitive as to what she'll shoot and how she'll group, and these groups were fired on different days, with and without wind which at times became quite gusty at 14 mph as indicated on our wind gauge.

Browning .22-250

The long-expected .22-250 in Browning's fine bolt action rifle arrived at our office about two months ago (late May) and we have been having a ball with it. Our test gun is the heavy barrel model, and it is one of the neatest, most beautifully finished factory guns that has come to us for tests in some time. Inletting is on a par with custom work, metal finish is superb, and the gun shoots so well that even confirmed gun tinkers could find nothing to tinker with. Using a Redfield mount and a Browning 3X-9X variable scope, I took a couple of boxes of early Remington factory ammo, a couple of boxes of Remington's new Power-Lokt loads, and some handloads to the range. With the trigger breaking cleanly and crisply at a desirable 3.5 lbs., first groups with the old Remington loads, five shots at 100 yards, were just a shade under MOA, with actual measurements going 0.97, 0.95, 0.99, and 0.97 inches. Remington's Power-Lokt ammo produced three smaller groups, again measuring 0.68, 0.74, and 0.75". Despite various attempts to cook up more accurate handloads, my handloads did not give groups which were much better, and some gave groups which were inferior to the Power-Lokt factory ammo. Using Power-Lokt bullets and my own handloads, I did get one group that measured 0.50 inch for 5 shots, but try as I might, I was not able to repeat this group although all possible variations of powders, cases, and primers were tried. The original loading data when used again, delivered several tight groups, but these measured closer to 0.75 than to 0.50 inch. Testing this Browning gun was a pleasure and waiting almost two years for this .22-250 was well worth it.

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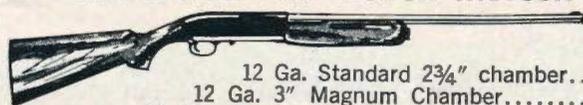
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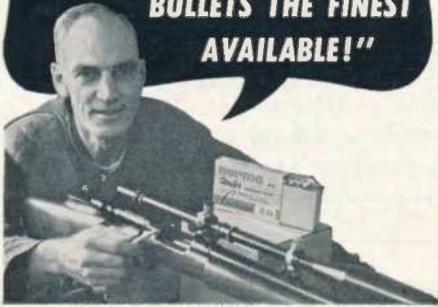
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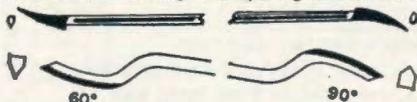


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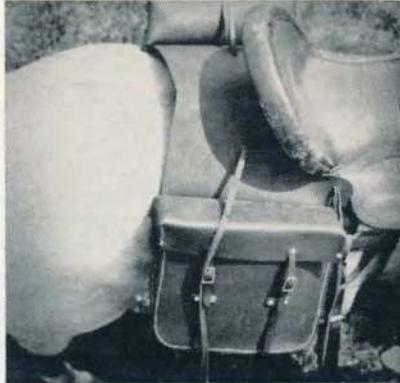


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Saddle Bags

The standard saddle bag is fine if you only pack a poncho and some lunch, and in some of them you can even cram a small camera and some smokes into the bag. For some years I have been looking for saddle bags that would take all of the usual truck that is needed, plus space for two cameras and a spotting scope. Recently, I found just such a pair of saddle bags and they are the answer to my prayers. Made of 8-9 oz. oiled latigo leather, they measure 12x12 inches with 4 inch gussets, with the box flap—in contrast to an open flap—turning brush and water from the content of the bags. The



bags are sewn with linen thread, the back is one piece construction from side to side so that it cannot pull apart, and they are built to last. The craftsman who makes them is Dennis McNabb of 690 E. Holly, Rialto, Cal., and though the price of \$42.95 might appear a bit steep, I have found them worth twice the price the first time I used them. Dennis also makes a scabbard for rifles that can be used as carrying case as well as a

saddle scabbard, and specs are equally impressive—a good scabbard is the best insurance you can buy for a good hunting rifle. The scabbard, made of harness back, retails for \$59.95. Dennis has both items in stock and will undertake custom work, but not on a rush basis.

Wade's Reloading Service

Jim Wade, 075 Oak Street, Mundelein, Ill., is a top notch pistol shooter. After his retirement from the Army, he set up a reloading shop and his stuff is so good that we have been using it extensively for testing news guns, for our own shooting, and for some experimental work. Wade Tri-Test Munitions can be found in many police departments, on the firing line at pistol matches all over the country, and his reloads are highly uniform—after all, they are made by a champion pistol shooter who knows and understands what the competitive shooter wants and needs when he goes into a match. Jim loads .38 Spl. mid-range target ammo for police departments, a match grade reload with a 148 gr. wadcutter, a 158 gr. standard service lead bullet, and a hot .38 Spl. service load that is used by a number of police departments. He also loads .45 ACP, both match wad cutters and a special hot .45 ACP load that is suitable for GI type .45's and for Thompson's. Jim also loads a number of other handgun cartridges, but does not load rifle ammo. Write him for his list and prices. Wade is now setting up a national dealer system, and chances are that you'll be able to get Tri-Test ammo locally. If your dealer does not stock it yet, let Jim know and he will ship directly.

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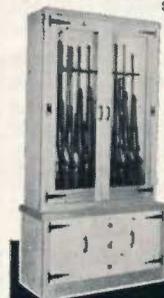
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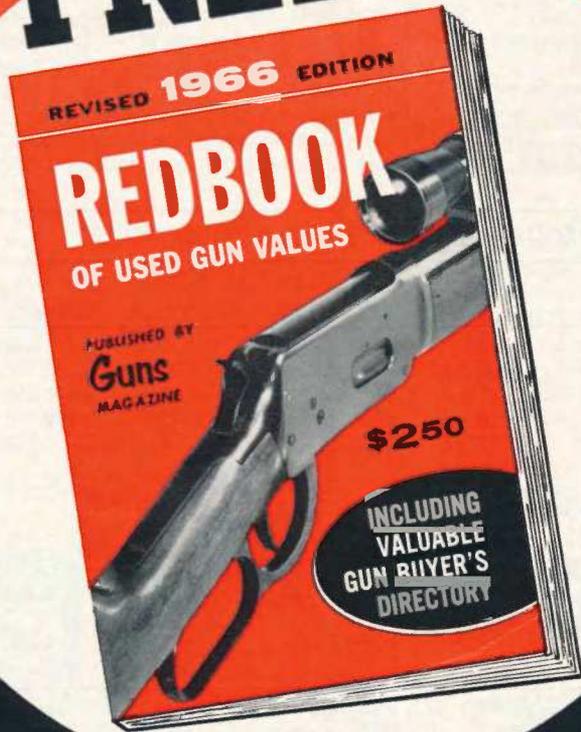
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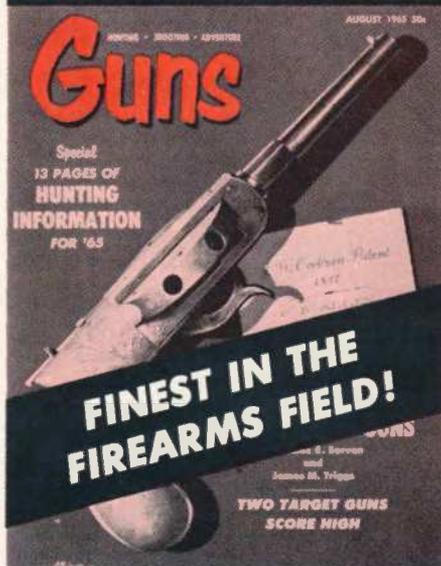
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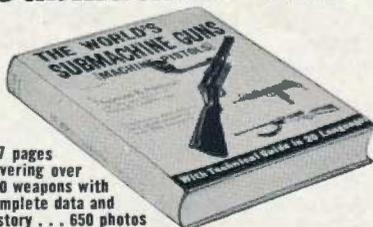
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H&R'S ULTRA BOLT ACTION RIFLE

(Continued from page 29)

features a generously sized roll-over cheek piece and an over-sized pistol grip. The test gun, in 7 mm Remington Magnum cartridge, was equipped with a recoil pad.

Since the trigger pull of the rifle was 4.75 lbs. and I prefer a trigger that breaks at exactly 3.5 lbs., I decided to change the trigger pull to suit me. The trigger, by the

Yo-yo, and since these changes tend to affect stock woods more severely than either a good soaking by rain or exposure to constant high humidity, it will be interesting to see if the gun will shoot on the same point of impact in a month.

If you decide to remove the barreled action from the stock, be sure to use a narrow

SHOOTING RECORD OF H&R BOLT ACTION RIFLE

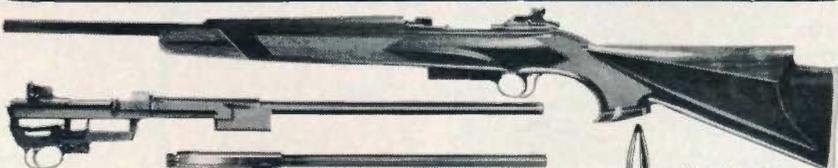
# of shots in group	Bullet weight	Load	Best group	# of groups	Ave. size of all groups
5	150 gr.	Rem.	1.375	5	1.875
3	175 gr.	Rem.	0.875	10	1.500
3	150 gr.	Federal	1.250	10	1.750
5	175 gr.	Federal	1.250	5	2.000
5	154 gr.	67.5 gr. Hornady 4831	1.375	4	1.750
3	154 gr.	67.0 gr. Hornady 4831	1.250	5	1.750
5	145 gr.	69.0 gr. Speer 4831	1.000	4	1.375
5	160 gr.	68.0 gr. Speer 4831	1.500	3	1.750
3	160 gr.	68.0 gr. Speer 4831	1.125	5	1.500

NOTE: All handloads were primed with CCI 250 primers. One string of five shots with 145 gr. Speer bullet and 79.0 gr. of H5010 grouped 0.750, but a three shot string spread to 1.500. In firing this latter group, heat mirage was severe, made accurate sighting almost impossible. These groups were not included in above table.

way, is a fully adjustable Sako trigger. In looking over the gun before separating the barreled action from the wood, I was struck by the extremely close inletting. One of my pet rifles is an expensive custom gun that is superbly inletted, and the H&R gun's inletting compares favorably with it. When I finally got wood and steel separated, I found that H&R had hand inletted the stock, that the barrel channel had one coat of finish. This means that the channel has some degree of protection from moisture, and this, plus the tight inletting, should prevent stock warpage. Since humidity content of the atmosphere in this area is up and down like a

bladed screwdriver for the stock screws. The standard gunsmithing drivers have too thick a blade at the base to fit screwheads, yet drivers ground so that they'll fit European screws are too narrow. You may also find that the tight bedding makes it difficult to remove steel from wood, and a tap with a leather mallet on the underneath side of the barrel near the fore-end will loosen the barrel so that action and barrel can be removed easily. My only complaint about the stock is the omission of sling swivels. A gun that retails for \$189.95 and has all the extras that you could think of, plus a few that you probably had not thought of, should have sling swivels

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of one sort or another.

I mounted a one piece Redfield base and a 2X-7X Redfield scope on the H&R gun and found that this combination, without sling or ammo, weighs just 8 lbs. and 7 ounces. The H&R guns chambered for the 7 mm Rem. Magnum and the .300 Win. Magnum have a magazine capacity of three rounds plus one in the chamber, while the guns chambered for the .243 Win., the .308 Win., and the .30-06, have a magazine capacity of five rounds plus one in the chamber. The safety is of the sliding type that is standard on the F.N. actions, and it is nearly silent. The external appearance of the gun is pleasing and handling qualities of the bolt action rifle are very good, with the balance of the rifle falling just under the action where it belongs.

Actual range tests were performed under almost ideal weather conditions. With the temperatures in the high 80's, humidity level was low, and there was almost no wind. Barrel heating made it essential to limit all

shooting to sessions of 10 rounds each since heat waves from the barrel made sighting at 100 and 200 yards difficult.

The H&R Ultra Bolt Action Rifle is, as you can see from the above table, a very accurate gun. In finish, inletting, bluing, and general appearance, the H&R gun is certainly equal to all of the currently available factory rifles and actually resembles and shoots very much like a custom rifle that your gunsmith might build for you. The 7 mm Remington Magnum cartridge is inherently accurate, but it takes a fine rifle to produce the degree of accuracy I got in my extensive tests. H&R, in building these bolt action rifles, has created a handsome and finely tuned gun. There were no malfunctions, the safety operated smoothly and positively, and the gun was a pleasure to shoot and handle. There is more to building a rifle than screwing a tube onto an action and sticking the whole thing into a piece of wood—and the H&R gun proves this.

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QUESTIONS & ANSWERS

(Continued from page 9)

locked to frame and guide; such could make repair a problem. The design includes the poorer features of the Luger and the Walther P/38.

It is difficult to say which is superior as a basis for "investment" as such is not related to quality, directly. Many inferior firearms (Chicago Protector, Baby Hammerless Revolver, Walther Models 1 and 7, etc.) command prices from collectors far out of proportion to their intrinsic value—and as there are far less Lahti's around than Luger's, it is possible that either might outprice the other in years to come. However, given a choice of similar condition and price, I would suggest you pick the Luger.—S.B.

Case Shoulder

Could you give me some information on double shouldered rifle cases like the .247

Herter and the .401 Herter. How practical are they and is there any real advantage to their use. Do they provide higher velocity?

Robert B. Wilson, Jr.
Seattle, Washington

Some wildcatters make wilder claims than their 'cats. So do some arms makers. Any "sharp shoulder" rifle case has an advantage with modern powders over a long shoulder. I think the major advantage in unconventional sharp shoulders is identifying the case with the designer.

Some shoulders, like the long, screw-ball S&W 22 Magnum (Jet), are mechanically poor and the claims are wild. The Jet gives high head pressure, excessive case set-back, and hard extraction. Smith & Wesson claimed 2460 fps. Our 6" gun went only 1806 fps. On a percentage basis I believe it set a world's record for exaggerated velocity and energy. Many are unhappy with it.—K.B.

Old Double

I have a 12 gauge double barrel, hammerless shotgun, with single selective trigger and 30 inch Krupp Fluid Steel barrels. Receiver and trigger guard are handsomely engraved, including "Torkalson Mfg. Co." on right side of receiver. The words "Flusstahl-Krupp-Essen" appear under the barrels. Can you tell me anything about this gun and estimate its value?

F. B. Ruelke
Oshkosh, Wis.

Torkalson Mfg. Co. is recorded as operating in Warren, Mass., between 1903 and 1908, and is probably the Torkalson mentioned on your gun. "Krupp fluid steel" was featured in that era, and it is commonly believed that gunmakers bought the barrels, so marked, and fitted them to specific actions.

While the engraving described by you sounds very attractive, I do not feel that fifty-year-old shotguns are particularly suitable for use. Certainly the margin for safety (due to metal fatigue) cannot be as great today, as when the gun was built. And, of course, use and abuse take their tolls. Your gun should be worth from \$50 to \$100 to a collector, mainly for the engraving and the Torkalson Single Trigger.—S.B.



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Ann Stewart J. McKnight
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I'm sorry we do not load commercially except in volume for police agencies. Your Colt .38 is dependable with high-speed factory ammo. You can probably find a local custom loader who can supply the Speer Hollow Base Wadcutter with 3.6 grains Bullseye and CCI 500 primers.—K.B.

First Cartridge Revolver

I am interested in knowing more about the history of the change-over from the cap and ball revolver to bored-through cylinders to take metallic cartridges. I was told that this was first done in England, is this a fact? I thought Smith & Wesson was first.

R. Horace Grigg
Philadelphia, Pa.

The first English made cartridge revolver was in all probability a imitation of the rimfire Smith & Wesson, patented in the year 1855. The only earlier efforts to evolve a cartridge arm was in about 1851 by LeFauchaux (pin fire), or the Flobert cartridge. The LeFauchaux system was displayed at the Exhibition of 1851. They had been

(Continued on page 64)

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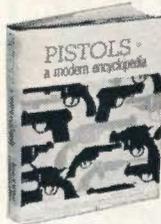
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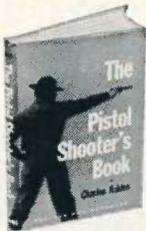
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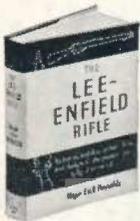
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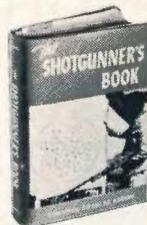
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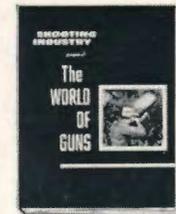
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(Continued from page 60)

used a few years previously, and had, in 1853, been used by the French Navy.

But Smith and Wesson was the first company to employ metallic cartridges in a revolver. They held the patent of Rollin White for boring a cylinder completely through.

Colt breech loading revolvers did not come until 1870, though there were many percussion revolvers that were remodelled by gunsmiths and a number by the factory in 1870-71.

It is not easy to fix a definite limit to the transitional period, but we know it was in its fullest swing from 1864 to 1890.—R.M.

Bore Leading

I own a 9.5 mm x 57 Mannlicher-Schoenauer with a somewhat pitted barrel. Can I use cast bullets with light loads in this rifle for deer? Would it lead up? What loads should I use?

Rev. Ronald Rowat
Montreal, Canada

Cast bullets in rifles are not ideal for deer, but of course they will bag deer under good conditions. The main thing is to get close enough to place a bullet exactly where you want it. We haven't worked up cast bullet loads in this caliber. If you must use one, I'm sure about 80 per cent of an equivalent jacketed bullet charge will be good, as velocity is low.

Bore leading depends on individual barrels. Rough bores, or those with tiny tool marks often give severe leading, although they often shoot well with jacketed bullets.

Hard alloys do not expand well, and soft ones may slug or give other troubles. Jacketed bullets are superior, and a box will last a long time for this purpose.—K.B.

Reloading Gauge

In at least two places in a recent copy of GUNS there appears a reference to a "Case Length & Headspace Gauge" being used in reloading. Please tell me where I can get one.

Fredrick E. Hollon
Garden City, Mich.

The Forster Case Length & Headspace Gauge is made by Forster-Appelt, Lanark, Illinois. Price is \$4.50 in any caliber. Most handloading equipment dealers stock these, or you might order direct, and enclose 25¢ for shipping. I consider this gauge a "must" for satisfactory handloading.—K.B.

Martian Pistol

I have a .32 Cal. auto., and a .32 Cal. revolver. I would appreciate any information you could provide me. The auto is marked Fa De Martin A. Bascaran Eibar, and "Martian" Cal. 7.65. On the back part of the frame are the letters MB circled, on the slide and frame are the numbers 278 45, and all parts are marked 494. I would also like to know where I could obtain a clip, and internal parts for this weapon. The revolver is marked, Fore-

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M. G. Pasceri
Ambler, Pa.

Basgaran made at least two different 7.65 "MARTIAN" automatics—or had them made for him. They conform, basically, to the cheap type of automatic that Spain produced circa 1920. I know of no source for the magazine you need; finding it will be a matter of luck. If the gun has any sentimental value to you, you might contact the parts dealers listed in the "Red Book" (published by GUNS).

The Forehand Arms Company made fairly good guns within the limits of the design, but before shooting any gun that is about three quarters of a century old, have it checked by a competent gunsmith!—S.B.

Shortened Barrels

I recently acquired a double barrel 10 gauge magnum marked "Imported Especially for Silver & Co., San Francisco—Neumann & Co., Liege, Belgium." I find that the barrels have been cut off $2\frac{1}{8}$ inches. Can I get a set of factory new barrels? Can I have the present barrels re-choked? What does this gun sell for new?

J. C. Johnson
Columbia, S. C.

Neumann shotguns are no longer imported, and barrels cannot be replaced unless you get custom ones in Belgium which would be expensive. Choking can be restored—I don't know how good the final job will be—by this method. You can have the insides of the barrels plated to give them a degree of choke, or inserts can be made and fitted to the barrels. This is better and also cheaper. Cost of this job is about \$75, value of the gun when sold new here is about \$300.—P.T.H.

Springfield 1882

I recently purchased a .45-70 Springfield rifle. It is a bolt action, stock-fed rifle with "U.S. Springfield 1884" on the receiver, and proof marks on the barrel. Was this rifle issued or was it experimental? Do you have any idea of its worth, or where I might obtain a stock?

Gene Hyken
Des Plaines, Ill.

The Model 1882 Rifle, made on the Chaffee-Reece system, is a magazine, bolt action .45 caliber military arm. The peculiar feature of this arm is the method of feeding cartridges from a tubular magazine in the butt into the chamber, much like the Spencer of Civil War fame. There is a cut-off which allows the piece to be loaded through the receiver, as a single shot.

In fine to excellent condition it should command about \$75.00 to the collector. A stock for this arm should be next to impossible to find, but try Bannerman Sons, Inc. P.O. Box 26, Blue Point, N.Y.—R.M.

Mauser Action

I would like to know if the 98 Mauser action is a very good action to build a 7 mm Rem. Mag. on. I would also like to know

what the best barrel would be for this action.

Robert P. Hegge
Pine Bluffs, Wyo.

The Mauser 98 action is suitable for the 7 mm Remington Magnum, and any of the commercial barrels will fit, but you must of course have a gunsmith install the barrel and then have it headspaced. Douglas Premium barrels are good, as are those of J. Hall Sharon of Kalispell (Montana), and Wm. Hobough of Philipsburgh, also Montana. Your gunsmith may have a suitable barrel on hand or can order any of the custom barrels for you.—P.T.H.

Unique Jap Pistol

I would like to have information on an unusual cartridge pressure-testing pistol which is similar to the Japanese Type 14 Nambu in 8 mm. The only markings on it are the usual Japanese safety markings and serial number. (Photo enclosed not reproducible—Ed.) Do you know which arsenal produced this pistol and how many were made? How were these pistols used?

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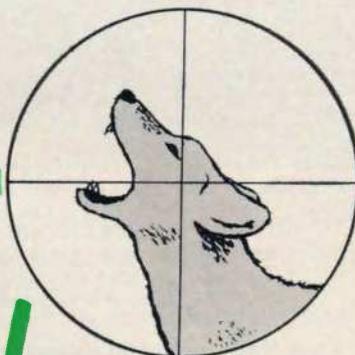
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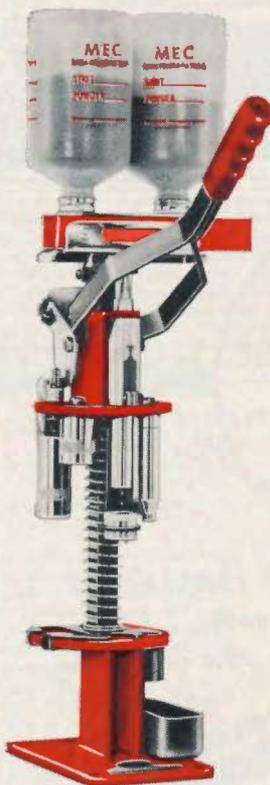
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MEC reloaders have been in the Brauer "workshop" for years. The latest additions to the workshop, the 600 jr. and the hydraMEC, are the finest reloading tools in the world. . .bar none! The versatile 600 jr., a single-stage tool, features four unique devices. . .a cam-actuated reconditioning station, the ADJUSTA-GUIDE WAD FEED, the SURE-CONE plastic crimp starter and the exclusive CAM-LOCK crimping station. The 600 jr. was specifically designed for the plastics, although paper shells are reloaded just as easily.

MEC married the leading progressive reloader on the market, the MEC Super 600, to a hydraulic powerplant. . .result. . .the fabulous hydraMEC! Imagine, producing up to a rate of 800 perfect reloads in just one hour! "The hydraMEC, without a doubt, is the greatest advance in shotshell reloading. . .ever," says Bill Brauer II.

Oh, by the way. . .Bill forgot to tell you. . . . Patty and Barbara do most of the reloading for the family. . .another reason we say. . .it's as simple as MEC. Put a MEC in your "workshop" . . .you'll see why shooters everywhere are "MEC-minded."

I am quite interested in Japanese pistols, but yours is unique to me. I cannot tell you the precise purpose of your gun without physical study; intention could range all the way from establishment of component tolerances for production of the model 1925 to testing of bullet jackets! I could probably identify manufactory if you will forward sketches of ideographs on sides of receiver.

As for value, this is a classic case of "it is worth what someone will pay for it." As a guess, I think that you could get \$100.00 without much difficulty. I know that I'd like to study it, personally.—S.B.

Hot Loads

Please give me the hottest load for my 742C in .280, using the 145 gr. Speer bullet.

J. Ed. Hart
Jacksonville, Fla.

The .280 Rem. loads in Speer's No. 6 Manual with an asterisk () are correctly listed as "considered absolute maximum," for slide and auto actions. I highly recommend Speer's 145 gr. bullet with 50.0 gr. 4350, using RCBS undersize dies, supplied on request at no extra charge. Velocity is 2900 fps. This is a very fine bullet and charge in any .280 Rem. rifle, probably the very best load, and potent on the terminal end. I suggest cutting the charge 2.0 grains for an initial test, and working back up.—K.B.*

.22 Expansion

Is there any worthwhile difference in the expansion of the .22 short hollow point and the standard high speed short cartridge? Would the hollow point version open up better in small game animals, birds, varmints, etc.?

Tom Humphrey
Columbia, Tenn.

I'm not sold on the .22 Short as a killer, but the H.P. does expand more than a solid nose. You can check the difference by firing in fine, moist sand at 50 yards and recovering both type bullets. Of course a .22 LR is far more efficient.—K.B.

Winchester Parts

Can you tell me where I can locate an extractor for a Model 03 Winchester .22 automatic? I also need a 26 inch octagon barrel in caliber 32/40, and a stock and fore-end for a Model 94 Winchester sporting rifle.

Elmer A. Weinzapfel
Klamath Falls, Ore.

Probably your best bet for an extractor

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for your 03 Winchester .22 automatic is Numrick's, West Hurley, N.Y. These people might also have the octagon .32-40 barrel for the M94 you are looking for. Stock and fore-end for the Mod. 94 can be obtained from Winchester, New Haven, Conn.—P.T.H.

Czech Pistol

Could you tell me the manufacturer, place and approximate year of manufacture, and the value of an automatic pistol marked as follows: On left side of slide "fnh Pistole Modell 27 Kal 7.65," on right side "402502," and German eagle and swastika on several parts. Can .32 caliber ammo be used in this weapon?

M. Trbovich
FPO New York

The gun you describe was made in Czechoslovakia, and the code "fnh" indicates manufacture by Boehmische Waffenfabrik at the Strakonitz works. I would place the time of manufacture as approximately 1940-44. In good condition, this model is currently offered at \$20.00, retail.

American .32 ACP ammunition is interchangeable with the European 7.65 mm, and should function properly in your gun, provided the gun itself is in proper condition.—S.B.

S & W Loads

Can the following loads be fitted safely in the .38 S&W revolver; 160 grain hollow point bullet with 2.5 grains Bullseye; a 173 grain wadcutter lead bullet with 2.4 grains Bullseye; a 200 grain lead bullet with 3 grains Bullseye? How do these loads compare with the standard 146 grain bullet manufactured commercially with respect to defense? Would better results be obtained if these loads were fired in the 38 S&W Special?

Camilli Pulcini
Jamaica, N.Y.

Your .38 S & W loads could be fired, but 3.0 gr. Bullseye is too hot with the long bearing surface and heavy 200 grain bullet.

In extensive testing we found Lyman's 150 gr. 358477 semi-wadcutter best, far better than factory loads, with 3.0 gr. Bullseye, and tops in a S & W case. It's excellent in .38 Special cases with some velocity loss. Size bullets .358 for both guns, or you may get better accuracy in the .38 S & W with .360. Both loads are accurate, and good for targets or defense.—K.B.

Johnson Pistol

I have a single shot cap and ball pistol in excellent condition. The markings are: "U.S.," with "L.N. Johnson" below it; "U.S." with "J.C.B." underneath and "P" below that; "Middtn" with "Conn." and "1854" below. There is also an "H" in several places. Could you send me any information on this pistol?

Bobby L. Carman
Forrest City, Ark.

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used by both the Army & Navy. Caliber is .54. The pistol fired a half ounce spherical ball and took a 50 grain charge of black powder. The pistol was made by Ira N. Johnson for the government on a March 28, 1851 contract (for 10,000 pistols at \$6.75 each). The delivery to be completed within 3 years, hence your 1854 dated lock. Your pistol today, in fine condition, would bring \$75.00 to \$125.00—R.M.

Unique Powder

I would like to load my .45 cal. Great Western to around 1100fps with Unique powder and a 200 gr. wadcutter. What should the powder charge be? Is this unsafe?

Also I would like to load my .30-30 Winchester with a 150 gr. slug and Unique powder. What should this charge be for a hot loading?

James R. Harrington
 Leitchfield, Ky.

Your Great Western 45 Colt will get close to 1100 fps with 11.2 gr. Unique with a 200 gr. bullet. The charge is hotter than recommended and you should work up to it. Unique is strictly for reduced loads in a .30-30. With a 150 gr. bullet, 12.0 gr. is maximum, at about 1700 fps. So is 37.0 gr. 4064 for 2415 fps, which is a far better hot load.—K.B.

Springfield Sporter

I have a Springfield Trap Door rifle in .45-70 caliber. It is sporterized, with the bluing in perfect condition. On the top of the trap door is "U.S. Model 1884." What was the official name of this rifle; what is its approximate value? The gun shoots well for its age. I am interested in its history and also on using it on deer.

John Flynn
 Chester, Penna.

Your rifle is or was, a U.S. Rifle Model 1884, issued in 1891. Over-all length should have been 52" with self contained rod bayonet, "Buffington" rear sight. A fine condition Model 1884 is worth between \$45 and 75. Your gun, having been cut down and sporterized, makes it only good as a shooter and does not fit into the collectors field. Many deer are taken with this type rifle today, and it has proven itself many times over as one of our finest single-shot rifles.—R.M.

Parkerizing

I have just rebuilt a Remington Model 6 into a Survival gun and would like to have the gun parkerized. Is there any firm that will do this if I send them the gun? Or is there any way that I could do it myself?

Richard Gardal
 Modesto, Calif.

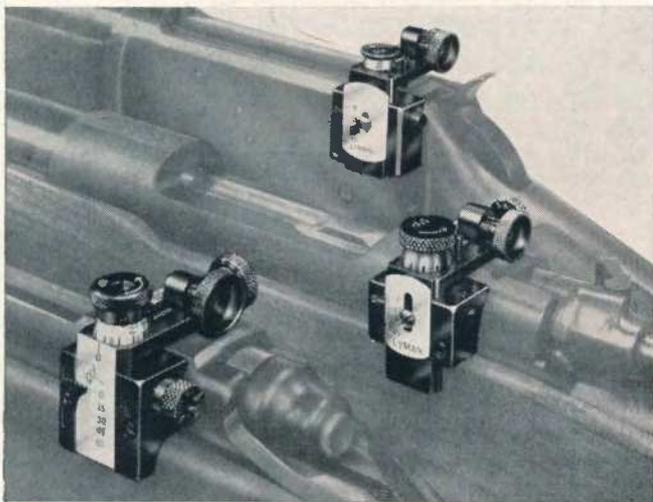
Parkerizing is, as far as I know, not available commercially and I doubt that you could do the job yourself. However, a good gunsmith can sandblast and then hot blue, thus giving you a finish that is very close to Parkerizing.—P.T.H.



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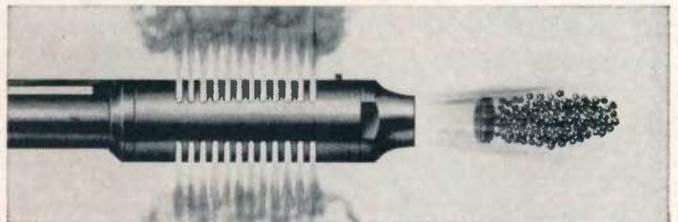


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By William Brent
(Fredrick Fell, Inc., New York, N.Y.,
1964. \$4.95)

Bill Brent, whose father was Pat Garrett's deputy, writes of "The Kid" from the recollections of his father, Pat Garrett, and others who knew Billy, and were there when he made his name known through his exploits. The book, however, is not "complete," though I doubt that any book on Billy the Kid will be. The book is factual; as factual as the recollections of the old timers can be, and as factual as the great amount of research Bill Brent used could make it. Not only is the life of Billy the Kid covered well, but the reader also gets an insight into the Lincoln County War, the strange death of Pat Garrett, and the modern day attempts to make the Kid a hero. If you have read any other book on the Kid, the logical and interesting explanations of some of the clouded points of the Kid's life in this book will make you want to double

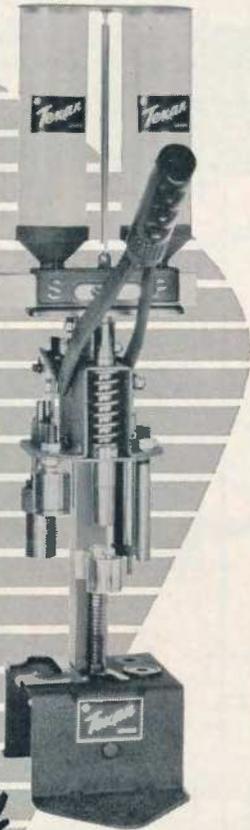
check one against the other. If you've never read of the Kid before, this book is an excellent first reader. In either case, many readers of this interesting book will use it as the final authority on the Kid, and until something else comes along to change my mind, so will I.—J.R.

BUSH MANUAL

(Alcan Safaris, Box 481, Dept. 3, Lewiston, Idaho, 1965. \$1.95)

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(Continued on page 73)



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(Continued from page 70)

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Edited by John T. Amber

(The Gun Digest Co., Chicago, Ill.,
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HAPPIER FAMILY CAMPING

(The Stackpole Co., Harrisburg, Pa.,
1965. \$2.95)

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RELOADER'S GUIDE

By R. A. Steindler

(Stoeger Arms Corp., 55 Ruta Court,
South Hackensack, N. J., 1965. \$3.95)

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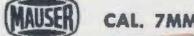
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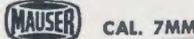


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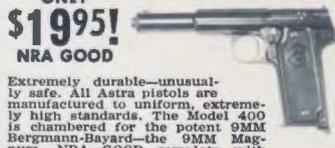
LLAMA "EXTRA" CAL. 9MM BERGMANN-BAYARD



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Almost identical to the Colt U.S. Model 1911 .45 ACP automatic! The same sturdy construction, the same safety features, and identical disassembly. Fires the 'Magnum' of the 9MM series—the powerful 9MM Bergmann-Bayard (see below). All in NRA GOOD condition and complete with extra magazine and cleaning rod. Brand-New leather holsters with magazine pocket only \$4.95. Extra magazines only \$4.95. Order yours now. Fine ammo only \$6.00 per 100 rds.

ASTRA MODEL 400! CAL. 9MM BERGMANN-BAYARD



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Extremely durable—unusually safe. All Astra pistols are manufactured to uniform, extremely high standards. The Model 400 is chambered for the potent 9MM Bergmann-Bayard—the 9MM Magnum. NRA GOOD complete with cleaning rod. Brand-New leather holsters w/magazine pocket only \$4.95. Extra mags. only \$3.95.

ASTRA MODEL 600! CAL. 9MM PARABELLUM



\$2695! NRA VERY GOOD

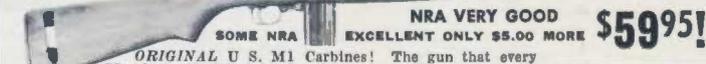
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9MM BERGMANN-BAYARD AMMO The first real introduction to the U.S. market—Europe's counterpart to the Colt .38 Super cartridge—the powerful 9MM Bergmann-Bayard cartridge. Spanish designation—9MM Largo—the "Magnum" of the 9MM series. Fires in all Star, Astra, and Llama automatic pistols marked "cal. 9m/m 38". All late production ammunition and at the low, low price of ONLY \$6.00 PER 100 ROUNDS

IMPORTANT SALES INFORMATION—PLEASE READ CAREFULLY: All guns and ammo shipped RAILWAY EXPRESS OR TRUCK (Shipping charges collect from Alexandria, Va.) Send check or Money Order. DO NOT SEND CASH. Sorry no C.O.D.'s. Minimum order \$5.00. "Money's Worth or Money Back" guarantee when goods are returned prepaid two days after receipt. Sales limited to continental United States! Sales price this month only. Best Buy from the World's Biggest Gunhouse.

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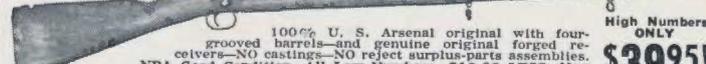
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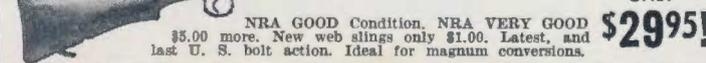


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100% U. S. Arsenal original with four-grooved barrels—and genuine original forged receivers—NO castings—NO reject surplus-parts assemblies. NRA Good Condition. All Low Numbers, \$10.00 LESS. New Web Slings \$1.00. The ideal rifle for all-around SPORTS use.

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Pay for your rifle or pistol with the huge savings on these fine cartridges.

Minimum order below (except as noted) 100 rounds. All prices below (except as listed otherwise) per 100 rounds. SHIPPED RAILWAY EXPRESS. SHIPPING CHARGES COLLECT.	FINE PISTOL CARTRIDGES
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8MM German Mauser Issue.....\$6.00	6.5 Russian Soft Point (40 rds.).....\$6.00
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From Spain, land of El Cid, come these legendary Toledo blades. Spanish Officers cavalry sabers in the sword steel recognized throughout the world as the finest ever made! Three styles—Standard long sabers, Officers sabers, Deluxe Officers sabers—all in superb condition with all original markings and complete with scabbard. These will never be available again! Ideal for collectors. Avoid disappointment—order yours while limited supply lasts!



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**“Neither rain, nor sleet, nor sand,
nor squashed peanut butter sandwiches
kept these shells
from their appointed rounds.”**



David Ommanney, the Winchester man from Africa, had one complaint about his Alaskan goose shoot. His pockets got so soaked, he had trouble separating the Mark 5's from the soggy sandwiches.

You can blame the bum weather we ran into in Alaska for the things that happened to our shells that day.

They got soaked in the pockets of our rain-drenched jackets, and plastered with peanut butter, and accidentally squashed in sand under our boots when they slipped through our frozen fingers.

But it didn't faze their tough plastic hulls. As David said when he first tested this shell on safari in Africa, "The only thing you can do to a plastic Mark 5 shell is shoot it."



Now, most shells today are made of plastic. But only the Mark 5 high-brass shell uses stronger (33,000 psi) *compression-formed* plastic. It's safer. And it doesn't need a base wad. Instead, the shell itself forms a solid shoulder that puts the powder smack on top of the primer (no corners to hide in). So none of its power is wasted.

David credits the success of our

Alaskan goose shoot to this extra wallop—and the denser patterns produced by the protective Mark 5 collar wrapped around the shot.

For, despite the rain and the sand and the soggy sandwiches; and despite a coat of feathers that looked thick enough to repel a 50-caliber bullet, we all got our limit.

"This is precisely why you should use shells that hit as hard as the Mark 5," said David, holding up one particularly thick-feathered bird.



"It often makes the difference in what you bring home for dinner — meat, or just feathers."

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