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Guns

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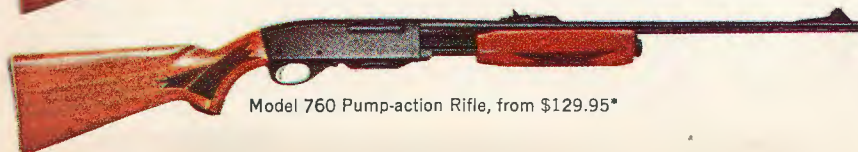
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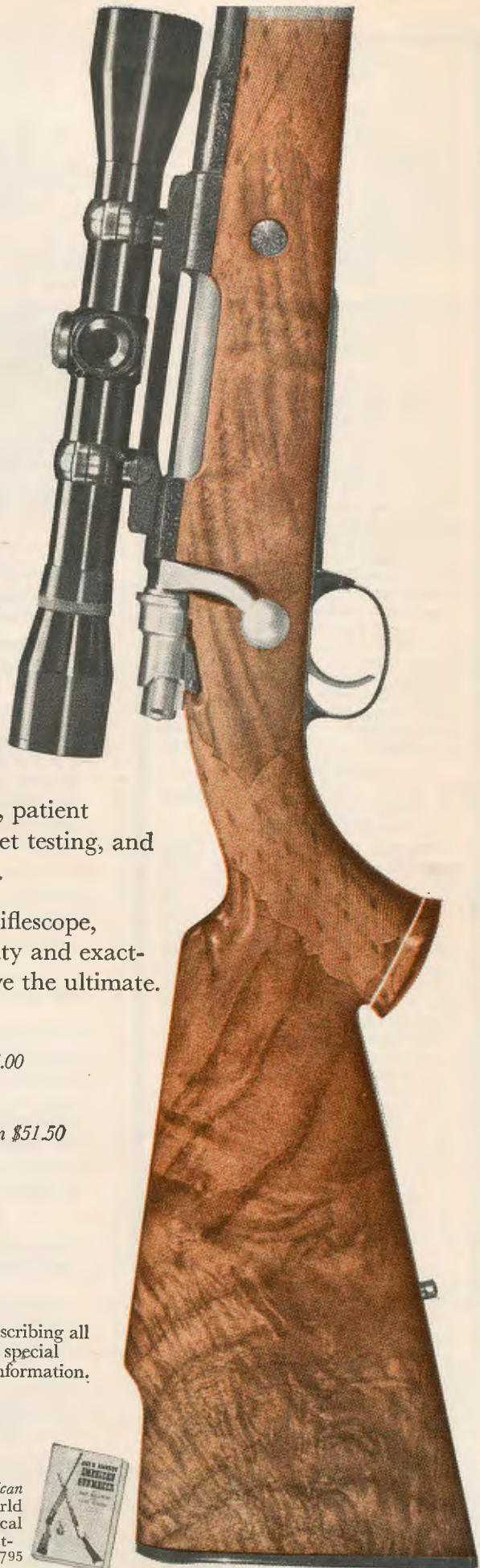
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Senator E. L. Mechem New Mexico



The main answer to criminal use of firearms lies in the basic concept of law enforcement. I strongly oppose proposals calling for federal registration of firearms. States and municipalities should exercise the chief control. Criminals can get guns at any time they want, whether registration laws are in effect or not, just as President Kennedy's assassination could have taken place regardless of what type of firearms laws were enacted. The law-abiding citizen, on the other hand, would be hampered by some of the proposals.

Congressman Robert R. Barry Westchester-Putnam Counties New York

I interpret the Second Amendment to mean basically that a citizen has the right to defend himself, his family and property, by arms if necessary. The law determines when and where the use of firearms is necessary, and this of course is as it should be.

Since earliest times man has used firearms for the hunting of wild game, first out of necessity to put food on his table, but in recent times it has become more popular as a sport rather than as a source of food. As our population has increased it has become necessary to control by law where and when hunting may be performed—in order to preserve wildlife for future generations. This is also as it should be.

"A well regulated militia," of course refers to what we know as the National Guard, where groups of citizens are organized and trained in the use of firearms and called to active duty in time of emergency.

Congresswoman Catherine May 4th District, Washington



I firmly believe it is the right of American citizens to own and bear arms as guaranteed by the Constitution. I feel that Congress should not attempt to consider anti-gun legislation when there is a likelihood that emotion may be substituted for objectivity. I feel that because of the tragic assassination of President Kennedy, public concern that "compromise" legislation might be severely amended by an emotional Congress is completely valid.

Congressman Robert T. McLoskey 19th District, Illinois

I, for one, would be reluctant to support legislation which would establish another bureaucracy at considerable expense to taxpayers. Furthermore, I would dislike to see any type of legislation enacted into law which probably would cause great inconvenience to law abiding citizens and at the same time the practical effects would doubtless be that the criminal element would ignore the law. Thus legislation of this type would serve no useful purpose.

It seems to me we should move cautiously in this area and that considerable study should be made before we embark on a new experience of firearms control.

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

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THE COVER

The Gun That Won The West continues to be in demand. On this cover we show, from left to right, the Model 94 produced last year, the deluxe 2,500,000th Model 94 that was made in 1961, and the 1964 version that has taken hold with shooters and fanciers of the 94—the Antiqued Model 94, complete with case hardened receiver and scroll engraving.

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GUN RACK



The Cortez Traveler In The Field

Despite its size, the Cortez is a highly mobile and, to say the least, intriguing vehicle. It was developed by the Clark Equipment Company, the world's largest manufacturer of industrial trucks, transmissions, and related products. In test driving it through town and cross country, everybody who drove it or rode in it, was pleasantly surprised how well the unit handled, how well it took to driving without roads.

Essentially, the Cortez is a completely self-contained travel unit that will sleep four adults easily and with a maximum of comfort. It is 18 ft. 9 in. long, 7 ft. 8 in. wide, has an over-all height of 8 ft. less stacks, with a 120 in. wheelbase. The unit is powered by a Chrysler 140 hp 6 cylinder, in-line engine that is forward mounted, thus giving the Cortez, with its front-wheel drive, an amazing amount of cross country maneuverability. The Clark trans-axle drive makes a difference since the usual transmission hump is missing, allowing a 6 ft. 4 in. inside standing height.

cross country the independent ball-joint and torsion-bar front suspension was a very pleasant surprise, not only for the driver but also for passengers.

Driving the Cortez is not all difficult, but you do have to get used to the extra width of the vehicle, and have to use the right as well as the left mirror. The synchromesh four speed standard stick is conveniently floor mounted, engine noises are nil, and the driver seat is exceptionally comfortable, can be adjusted for and aft, swivels to the left and right.

The right front seat and the dinette convert into two bunks, there is a gas operated oven, a room heater, a hot water heater, and a refrigerator with a small freezer compartment. Storage space for gear, food, and clothing is more than ample, including a sliding door closet with full length mirror. Marine head, shower, and basin are located in the rear of the Cortez, while the stainless steel galley sinks are located directly above the water tank. The sewage tank can easily be drained from outside. There are two gas



Since over 60 per cent of the weight is forward and because the Cortez has a low center of gravity, there is never the feeling that the boxy-appearing vehicle might tip over. On the contrary, the unit handled exceptionally well on highways with buffeting winds and

operated lights in addition to the electrically operated lights that can take power from a 12 volt battery, or power can be taken off a 110 volt line.

We drove the Cortez across the fields in
(Continued on page 8)



ACTUAL HIGH-SPEED PHOTO

This is the powerful new Smith & Wesson .41 Magnum revolver... the heavy duty double-action handgun that knocks big game flat, shoots true, reloads fast and fires a standard practice load

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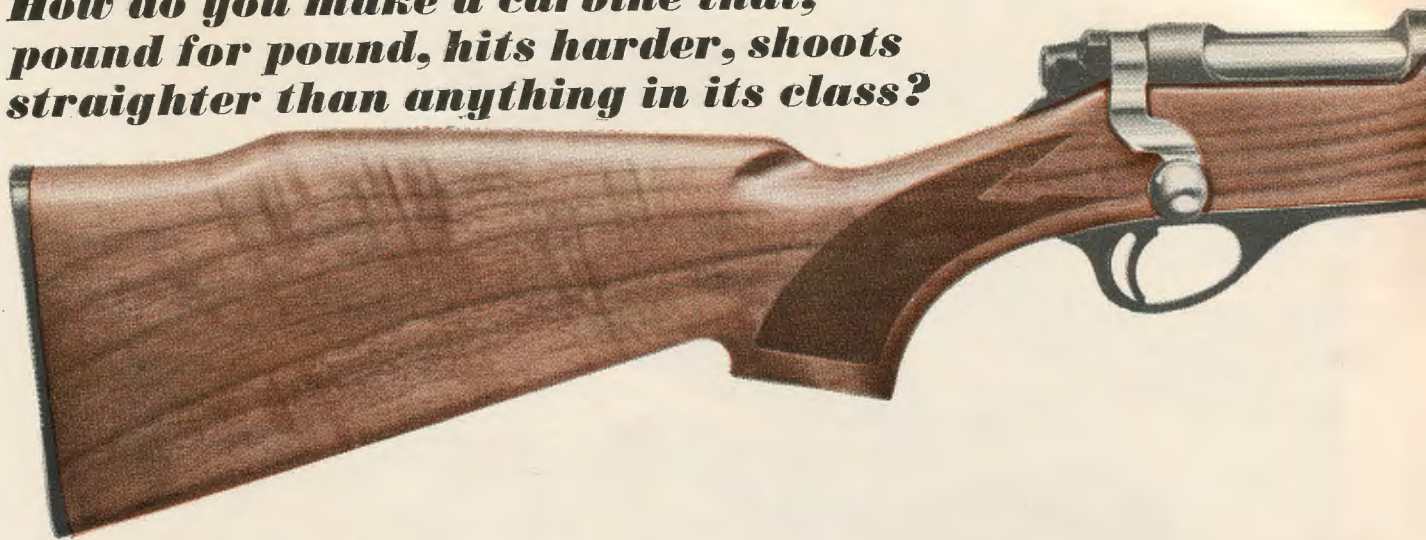
New S&W .41 Magnum double-action revolver, 4 or 6 inch barrel, blue or nickel, oversize stocks, \$140.

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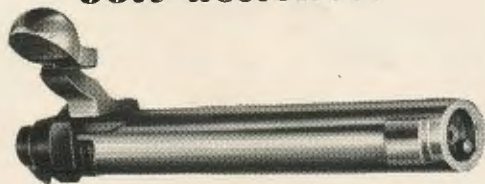


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an attempt to see how the vehicle would handle and how adequate a camping unit it would make for a hunting trip. The test vehicle had complete air conditioning—a most welcome addition since temperatures were in the 90's—and my only regret was that hunting was poor and that the Cortez had to be returned. Since the introduction of this unique traveler, there have been a number of improvements made in the interior that have added greatly to the comfort off and on the road.

Federal Target Loads

The Federal Cartridge Corporation has added a plastic shot protector, that also acts as wad column, to their trap and skeet loads. Basically, the column consists of one plastic over-powder wad on which fits a plastic wad column, and to this is attached a plastic shot



protector. The over-powder wad is a plastic cup wad with a staggered step system that holds the whole thing together. The over-powder wad fits tightly against the base of the plastic wad column. The plastic shot protector has given exceptionally good performance and is easily reloaded.

The theory and practice of using shot protectors is not new, has recently become very popular with manufacturers and handloaders. The Federal shells performed especially well in all types of shotguns, and the new box design is highly distinctive. Federal now loads these shells with some extra hard shot, and we broke down some factory rounds to see how the plastic wads reload—no trouble at all, and it seemed that they handle at least as easily, if not easier, than other wads. The Federal paper hulls have long been favorites of the handloading clan, and these new hulls are of the same, high quality. We managed to reclaim a number of the plastic wad columns with the shot protector intact, and reloaded them. Although this was in the nature of an experiment and reloading the fired plastic wads was tedious, we did get reloads which again functioned smoothly in a Remington 1100, in a Remington 870, in an Ithaca Model 66, and our Charles Daly O/U. Federal's new shells got a clean bill of health from two addicted trap and skeet shooters, and we can recommend them without qualification.

Marlin Scopes

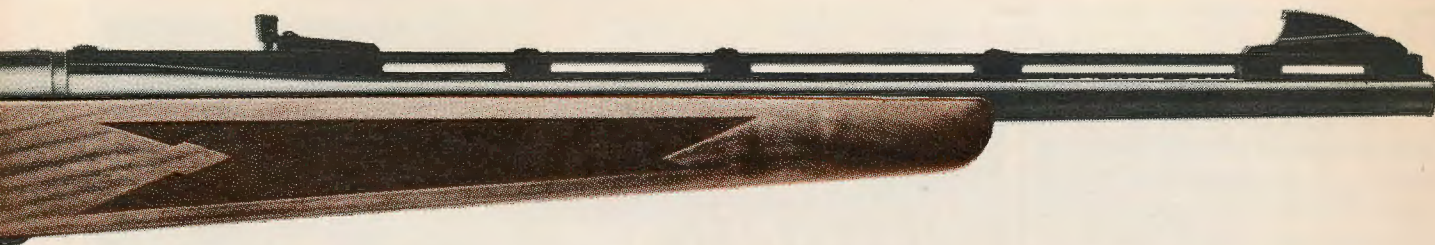
The Marlin Firearms Company, New Haven, Conn., has made available a series of scopes that are made in the U.S. Optically they have proved to be more than adequate and Marlin also offers a series of mounts made especially for the Model 336. The base of these mounts is a simple stamping and the rings fit into the mounts easily and smoothly. Scope removal from the base does however require that the two screws from the rings are completely re-

moved before the scope can be removed from the rifle. The bases do not interfere with the factory iron sights on the gun and actually help in getting a rapid sight picture.

The scopes themselves, only one was submitted for tests, were shockproof and passed the freezer and immersion test adequately; optically the scopes performed very well during the range tests. We found it necessary to add the Marlin hammer extension when we used the scope inasmuch as the hammer is otherwise not accessible. The finish of the Marlin scopes is a high polish dark blue that is scratch and mar resistant and has withstood our severe tests very well.

Higgins Gun Cases

The Higgins Gun Case Company, Box 998G Duncanville, Texas, sent us an aluminum rifle case for tests several months ago. The Higgins aluminum gun cases, suitable either for rifles or shotguns, feature a long piano hinge, a charcoal grey interior padding of foam that holds the guns safely with the tie-down thongs affixed to the bottom of the case. We bounced two of our cherished rifles around for over two months on a number of cross-country trips. Despite some misgivings, we were pleasantly surprised how well the case has withstood our tests. The aluminum construction is rugged, with the aluminum having rolled exterior edges and welded corners so that the case has a high degree of rigidity. Despite some very rough treatment, the case came unscathed through all of our tests. It seemed that the interior edge of the upper as well as the lower half of the case lid and bottom should have a rolled

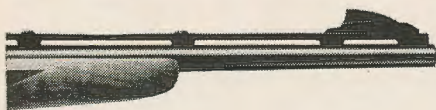


SPECIFICATIONS: Capacity: 5 shots in 6mm Rem., 35 Rem. and 308 Win., 6 shots in 222 Rem. Barrel: 18½ with ventilated rib, matted between sights. Stock: Monte Carlo with fluted comb. Selected American Walnut, custom checkering on fore-end and pistol grip. Receiver: Drilled and tapped for 'scope mounts. Fixed magazine. Sights: Blade-ramp front sight. U-notch rear sight, screw-adjustable for windage and elevation. Safety: Positive rotary-thumb type with non-slip surface. Length: 37¼ over all. Performance: Carries like a carbine, points like a shotgun, shoots like a rifle! At your Remington dealer...now!

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edge rather than a sharp straight edge where it is possible to get scratched when rifles are removed or placed into the case. The foam padding is more than adequate, and the two test rifles fired exactly on the same place as they did three months ago when the tests were begun. The lid clamps and heavy latches with loops for padlocks are securely fastened to the case and the luggage handle is strong enough so that even good bumping will not jar it loose from the case. The Higgins gun cases come in a standard two-gun case, measuring 50 inches by 13 by 3¾ inches and easily accommodate most sporting rifles. The case weighs 16 pounds and retails for \$48, plus shipping costs, directly from the factory in Duncanville, Texas. You can order special sizes from the company and there is an extra 25 per cent charge for custom work. It is best, however, to inquire and send specifications to the factory so that you will not be disappointed about price or delivery date.

Hornady Bullets

Joyce Hornady has introduced a number of new bullets. The new 60 grain .25 caliber soft point bullet retails for \$3.85 per 100 and replaces the currently produced 60 grain spire point bullets. In our .257 Roberts Mannlicher Schoenauer rifle, the bullets performed exceptionally well and we got fine accuracy as well as very fine expansion.

Hornady also offers a new .338 bullet and a new .30 caliber 90 grain boat tail, hollow point bullet for match shooting. He is currently adding a number of new bullets to the line and it will be interesting to see what he comes up with next.

C-H Tools

The C-H Die Company recently submitted two new loading tools and a new powder scale for tests. After using the equipment for over two months, we can now give a complete report on this equipment.

The new Shellmaster, Model 907, and the offset O-type press, Model 205, make a fine pair. The powder scale is of standard construction. It has, however, in the column where the scale beam rests, a provision for an oil dampener. Basically, this dampener is an integral part of the scale post and dampening action is achieved by a paddle that is affixed to the scale beam just at the spot where the knife edge bears on its bed. This essentially is a very simple, yet effective, system of dampening beam movement. Like all oil dampening scales, it has the disadvantage that it can become messy and in this particular instance no provisions are made to keep the oil covered and free of insects and accumulation of other trash. The scale was checked against known apothecary's weights and against two standard powder scales which are carefully calibrated. The C-H scale performed very well and rate of weight variations were on the order of plus or minus 0.02 to 0.05 gr. Since we are not concerned with minute fractions of a grain in handloading, it can be said that scale performance is within the acceptable and normal limits that we impose upon powder scales.

The new offset O press is a very rugged and well built tool that will do any job that you can think up for it. Not only is the press suitable for the standard decapping,

priming, and bullet seating, but it is powerful enough to do all swaging operations, and case forming that you may want to tackle with it. The new No. 205 press is especially designed for the universal shell holders, but standard C-H shell holders will also work with the press and are still available. This has the advantage that if you have old shell holders from a previous C-H tool, you can use those holders without going to the expense of acquiring new universal shell holders.

The new C-H press is designed for down



stroke work, and when we tried to create a spring or give in the tool, the efforts proved futile. A standard priming arm is included
(Continued on page 14)

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HANDLOADING BENCH



THE C-H DIE CO. introduces so many new items that we are hard pressed to report on all of them in detail. A new one of merit is their 205 Offset "O" Press. Your \$24.95 buys a whale of a lot of press in pounds (about 20), and in quality for long, satisfactory service. More good presses are available than ever before, because handloaders were not satisfied with tools that were "good enough" a few years ago. Many buy better equipment, or trade-in for better stuff.

I'm glad to see this trend. When I started writing for "The Finest Magazine in the Firearms Field" nine years ago, many chaps wanted to start this fascinating game with "minimum cost equipment." They had good reason, but it's different now.

Ads stressed that you could save up to 90 per cent on ammo. That's true. Ads caused many chaps to reload for economy. But that's like fishing with a bent pin and a string.

Ads for good equipment should tell you that handloading fine ammunition is good fun, that it's perfectly safe for a novice with near normal intelligence, and that you can assemble better ammo for your guns than you can buy. The greatly reduced cost is just one of many fringe benefits, so anyone can do plenty of shooting for fun and practice. Any type of shooting or hunting is twice as much fun with your own ammunition.

C-H's 205 Offset "O" Press qualifies for such ads. Cost is only a bit more than cheap "C" tools. It's a good press and a good value, worthy of consideration by a novice or "old hand." The strong, cast iron frame eliminates springing. It's offset for easy feeding. The handle is offset for convenient operation. The desirable down stroke works easily for heavy resizing or case forming, or making perfect handgun bullets with the \$19.95 C-H 409 Bullet Swaging Unit. This unit works as easily and rapidly as the excellent \$33 C-H Swag-O-Matic Bullet Swaging Tool.

There is no difference in bullet quality with either rig. The advantage in the Swag-O-Matic is you can leave it set up while you use your loading press for loading ammunition. The advantage in the Swaging Unit is a lower cost, compact unit that eliminates an extra press. To switch from loading to swaging requires only a few minutes. Extra caliber dies are \$9 for the Swag-O-Matic, or \$10.95 for the Bullet Swaging Unit.

We prefer tools set up for a particular job to speed production, or to load a few test

rounds quickly. Of course we do far more reloading and testing than most people, and we value our time at commercial rates. We have one of the first Swag-O-Matic tools that has made many thousands of excellent bullets. The dies and press are still perfect. Either rig is fast enough for commercial production. With the \$7.50 C-H Core Cutter you can cut cores at the rate of over 4,000 per hour! You can swage some 300 bullets per hour. Most individuals will probably prefer the Bullet Swaging Unit with their C-H 205 Offset Press. We can't find any "bugs" or fault with either rig. The early Hollow Point Nose Punches were a bit soft. Current ones are correctly hardened.

C-H improved their Tungsten Carbide Pistol Sizers about eight months ago. The old ones, like many T-C dies, left a sharp ring near the case head. It weakened brass and looked bad. You could eliminate it by sizing about half length, depending on your gun chamber and brass dimensions. It was okay for target loads, but not for heavy hunting loads, especially in sloppy chambers. The new C-H T-C dies permit practically full length sizing.

Any T-C die should be backed off the shell holder from one to 1½ turns. Advantages of T-C are easier sizing without any case lube. T-C is so hard and slick it can't gall or scratch. Brass and nickel is beautifully burnished. T-C inserts outwear more than a dozen ordinary dies, that are ruined from scratching due to dust, dirt, or primer residue. T-C dies can be handed down to the second or third generation in perfect condition. We use them because they do such beautiful work without cleaning or lubricating cases.

C-H's new "Nytral" sizers cost less, yet work as beautifully. They are as slick as T-C, and should last as long. However, you should lube the first 25 cases, then lube one case in 5 to 20. C-H Nytral is solid material, not an insert. The big advantage is Nytral is available for rifle cases, while T-C is not. Dies can be adjusted for full length resizing, so they contact the shell holder.

In the past year we have given C-H Nytral rifle and pistol sizers considerable use and deliberate abuse. They passed all tests. We dropped 100 .38 cases in the dirt, lubed every 10th case, and sized them without cleaning. Dies and cases were not scratched. This is worse abuse than recommended for any die.

(Continued on page 12)

New!

#907 SHELLMASTER

WORLD FAMOUS QUALITY

OVER 20,000 SHELLMASTER #910's in successful use
and the #907 is an *improved* version!!

- **PERMANENTLY OILED BRONZE BEARINGS** — Oilite bearings made by Chrysler Corp. The only press made in America with this feature!
- **POSITIVE STOPS** — Eliminates "feel" type loading. Exact instructions. Accurately repeats loads.
- **ADJUSTABLE** — For all loads — for all gauges — for any desired wad pressures.
- **RELOADS** — Paper, plastic and metal. All gauges. All type loads.
- **MOST ACCURATE** — Powder and shot measures honed to .001". No other on the market is this accurate!
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- **ONE STEP CRIMP** — Perfect crimps for plastic or paper.



Only
\$69⁹⁵

complete
for any gauge
paper case



Also same
quality at
lesser price

NEW #904 SHELLMASTER

WITH MOST OF THE ABOVE FEATURES
BUT DIFFERENT DESIGN

Available 12, 16, 20 gauge for paper, plastic, or metal. Completely guaranteed!

C-H standardization for easy changes plus the improved base with built-in primer catcher. The same famous SHELLMASTER name with .001 tolerances in a rugged design to give you flawless accuracy. Rapid 4 station loading.

Complete for one gauge including one set of dies for reloading regular paper shot shells.... **\$59.95**

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SUPERMATIC TROPHY 20-GAUGE AUTOLOADING SHOTGUN. List price . . . \$159.95.

FLITE-KING DELUXE-RIB .410 PUMP-ACTION SHOTGUN. List price . . . \$96.95.

SPORT-KING .22 CALIBER PUMP-ACTION RIFLE. List price . . . \$58.95.

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SUPERMATIC 20 GAUGE SHOTGUN: The world's first gas-operated 20 gauge autoloader with the lightest recoil of any "20", bar none. Shoots 3" magnum or 2¾" regular shells interchangeably with a simple fingertip adjustment.

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DEPENDABLE PENETRATION CONSISTENT ACCURACY



1.

2.

Here is how Sierra's 30 cal. .308 dia. 150 gr. Spitzer performs both for game and target. 1. The mushroomed bullet was dug out of a mule deer, one-shot-killed from 200 yds. by Carl Carlson of Thief River, Minn. 2. The 10-shot .625 group was shot from 100 yds. by George Gaskell of Norwich, Conn., in a 30/06 using 46 gr. #3031. It won a Sierra Award. Try Sierras today for target and game. 53 bullets to choose from.



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Have you qualified for your Sierra Award?
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(Continued from page 10)

We still prefer T-C pistol sizers, as they eliminate any case lube, which saves time in reloading in volume.

C-H 3-Die Pistol Sets have the sizer threaded to take a decapping rod. It's a good idea, but C-H doesn't explain it. The set can be used in the usual manner, by sizing only in the first operation, decap and expand in the second operation, clean primer pockets in the third operation, and prime in the fourth. Work is speeded by installing an extra decapping rod with an undersize expander in the sizer. That is, use a .38 expander in a .44 die, or a .32 expander in a .38 die. Use the correct caliber expander with the decapping pin removed in the decapping die body. Then you size and decap in the first operation, clean primer pockets in the second operation, and expand and prime in a third operation. Clever, isn't it? There is no speed advantage if you do not clean primer pockets, but we prefer to clean and inspect them.

If primers are hard to start in the pockets you may find tiny half circle brass shavings. Primer-shaving may be due to a case or shell holder out of alignment or dimensions, or a case not fully in the shell holder. Some lots of cases may be faulty. Bastard pockets in .38 Special GI shells are undersize. They are generally not worth reconditioning for reloads. A GI primer pocket crimp can be removed with a swage, or perhaps better with the Primer Pocket Chamfering Tool & Center in the excellent Forster-Appelt Case trimmer. We have had primer shaving with various makes of brass. One lot of Norma .44 Magnum brass had a step with a sharp edge

in the primer pocket. We improved these with the inside end of the Forster-Appelt Deburring Tool. Primers should seat fully to the bottom of the pocket without heavy pressure, but with enough pressure to feel. If you can't feel them enter, the pockets are expanded, and the cases should be discarded.

W. H. Updegrade, Stillwater, Okla., uses his .30-06 Savage 110 for plinking and small game with Lyman's 311446 gas check bullet cast hard. He settled on 8.0 gr. Red Dot with CCI 200 primers. It makes cleaner kills than a Hi-V .22 LR. Red Dot nearly equals Unique in squib loads. Rimless cases drive forward in the chamber to set back headspace. They should never be reloaded with near full charges. The military "discovered" that the position of the powder charge in cases doesn't make any difference. It does with squib loads! Elevate the barrel before each shot to position the charge near the primer for best ignition and accuracy.

Remington's 572 is a nice .22 rifle. They now have a 572 SB for .22 shot cartridges, with unexcelled design efficiency. Some early forerunners, the Model 121, introduced in 1936, were made for Fred Routledge, originator of the "Mo-Skeet-O" .22 shot clay target game. They are stamped "Routledge Bore for 22 LR shot Ctg." The large bore barrel has about 12" of .22 smooth bore in the breech. Routledge patents expired, and Remington makes similar efficient .22 shotgun barrels on their new guns.

Federal's .22 LR Shot Cartridges patterned better than any gun or cartridge we have tested. The load is the standard 25 gr. of No. 12 shot, about 136 pellets. At 15 yards



SUPERMATIC TROPHY TARGET PISTOL.

List price . . . \$105.00.

HIGH STANDARD

assurance of years-ahead design and superior workmanship

SPORT-KING .22 CALIBER RIFLE: Fastest loading, finest shooting slide-action .22 caliber rifle — LR, Long and Shorts. Sporter quality throughout, including rich American Walnut Monte Carlo stock and forearm.

SUPERMATIC TROPHY TARGET PISTOL: .22 LR model of High Standard pistol that won Rome Olympic Games Gold Medal, Year after year, in championship matches around the world, more High Standard pistols are "on the line" than any other make.

Dealer for details

HIGH STANDARD MFG. CORP., Hamden 14, Connecticut

we averaged 110 shot in a 14" circle! At that range they often kill pests, while many .22 shotguns won't. Our Hi-Standard Tournament is an excellent, low priced, target grade pistol. It shoots better than many higher priced guns, and nearly equals Hi-Standard's superb Citation and Trophy. With Federal's shot loads in the 6¾" barrel, used as a single shot, it takes small pests up to 20 feet.

Remington's .41 Magnum lead bullet load should be called a ".41 Special." Listed at 986 fps in a 6" revolver, it's a disappointment in power and expansion. The bullet shape is good, a slightly modified copy of the fine original semi-wadcutter designed by the late C. E. Heath in 1908. I don't know why Smith & Wesson literature listed it as a "gas check." It isn't. It's naked lead alloy. Accuracy is good, but not "target grade," with 50 yard groups as small as 5 inches. Our lead tester indicates a hardness equivalent to 15:1 lead-tin, much too hard for good expansion at this low velocity.

My own Hensley & Gibbs bullet cast to the same equivalent hardness and weight duplicates the Hi-V factory jacketed Soft Point load with 20.5 gr. 2400 and CCI 350 Magnum primers for an actual 1394 fps instrumental velocity. My bullet is also a slightly modified version of the C. E. Heath. The late Phil Sharp also copied Heath's bullet for the original WRA .357 Magnum cartridge. Smith & Wesson literature called the WRA load a "Sharpe type bullet," when they should have called it a "C. E. Heath type." Sharpe's bullet, the H & G No. 51, was, and still is, the best one in a naked .357.

Sharpe, Boser, Clay, Sorenson, and others, have copied Heath's creation, generally

slightly modified, like mine. Some of these chaps claim the design for their own! Ray Thompson made modified copies by adding gas checks, and so did Remington for their original .44 Magnum load. Thompson made something new with two crimp grooves on his .38-357. The upper groove is to crimp .357 Magnums, the lower for .38 Specials.

Remington's Hi-V .41 Magnum S.P. load is a good heavy one. It delivers 836 fp muzzle energy, same as the fine Remington .357 Magnum S.P. with 845 fp muzzle energy at 1550 fps. However, the .41 has much more recoil, and trajectory isn't as flat as the higher velocity .357. The .41 recoil seems to nearly equal a .44 Magnum in a S & W gun, with much less terminal punch. The .44 Magnum in Ruger's Blackhawk has a greatly reduced recoil effect, due to the time-proven handle design. This causes the barrel to recoil upward without breaking the web between your thumb and trigger finger, to aid accurate shooting greatly.

The best .41 Magnum loads are the ones I listed in the August 1964 issue of GUNS. The only change I'd make would be in the alloy used with moderate loads with my H & G cast bullet. For initial tests we used a hard alloy equivalent to 15:1 lead-tin. For much better expansion I recommend IBA No. 4, equivalent to 20:1 lead-tin with the most accurate, most practical all-around load. This is 8.5 gr. Unique and CCI 350 Magnum primers, starting at 1108 fps for 569 fp muzzle energy. Maximum deviation is only 16 fps! Accuracy is excellent to beyond 100 yards, and power is adequate for any normal handgun use. Recoil is mild enough for accurate shooting.

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This is a value you cannot equal anywhere! Full-length sizing and seating dies, made of the finest steel and hardened for a lifetime of use. Thread size ⅞-14. For most rifle and pistol calibers. Shipping wt.: 2 lbs. a pair. Be sure to state caliber desired.

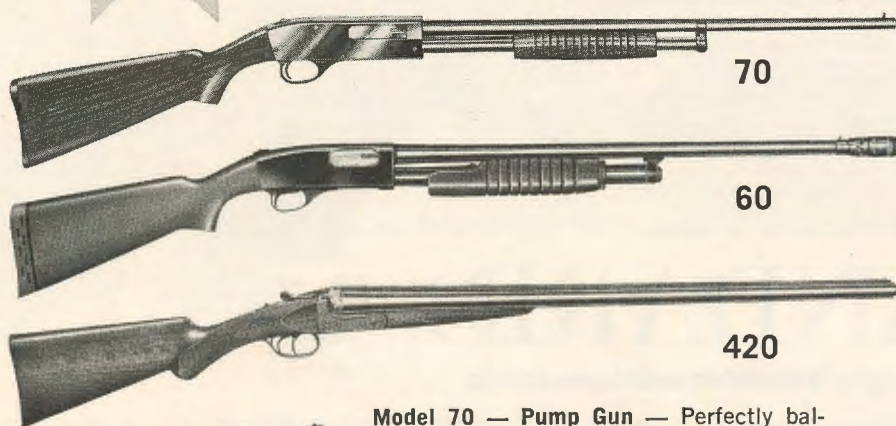
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Model 70 — Pump Gun — Perfectly balanced, a fine lightweight .410 shotgun in popular slide action design. Safe, economical, excellent choice for women or youngsters. Safety button located at top of receiver. Ideal for small game at short range or small bore skeet events.

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Model 420 — Side-by-Side Double — A traditional hammerless double barrel, double trigger example of superb old world craftsmanship. Perfectly balanced with smooth, positive action. Left barrel full choke; right modified. 12, 16, 20 ga.

Model 275 — .22 Lever Action — Here's a hammerless, lever action rifle with one piece, beautifully proportioned walnut stock. Short lever throw operates smoothly and easily. Visible feeding, safe fire control, thumb operated safety.

Model 235 — .22 Slide Action — Excellent for small game, target shooting and all-around use. Features adjustable sporting rear sight; ramp patridge type front sight. Receiver machined for quick detachable dovetail mount for telescopic sight.



Please write for complete catalog and price lists.

The NOBLE Manufacturing Company, Inc.
Dept. G, Haydenville, Massachusetts

(Continued from page 9)

with the tool. The offset handle of the tool is very much appreciated by those of us who might either be cramped for bench space or are ambidextrous and can work a tool with either hand. The No. 205 reloading press can be operated by a right-hander as well as by a left-hander without changing of tool handle position, and leverage is adequate for both types of operations. All in all, after some rather extensive use, we found the C-H No. 205 offset O tool to be a rugged and sturdy tool that can handle any and all reloading operations.

The new No. 907 Shellmaster is a vast cry from the very early Shellmaster that we used quite a number of years ago. Especially noticeable on this tool are several features. The large powder and shot hoppers are most welcome, there are only three stations, and the shell is only moved twice and handled only four times in the course of a complete reloading. Especially noteworthy are the precision shot and powder measures which deliver accurate amounts of shot and powder, and which can be adapted to deliver other charges easily and without a great deal of fuss and bother. It is possible to get the No. 907 set up to charge and load three inch shells, but standard delivery is for the 2¾" cases. The tool is available in 12, 16, 20, 28, and 410 gauge.

There are a number of features on this tool which are certainly of interest to the shotshell loader. First of all, the tool will reload paper, plastic, and metal shells. Secondly, the wad pressure is fully adjustable up to 100 lbs., and all loading steps are to positive stops—thereby taking a lot of the guessing out of shotshell loading.

In loading a case, the operation of the tool is simplicity itself and is worth considering for a moment. The empty case is placed in position No. 1 where it gets not only a full length sizing but where the brass is sized, and the case decapped. The case is now placed in position No. 2, where it remains for a number of operations. First, this is the priming position, and priming is done with a post type primer arm which requires single handling of each primer; at this position the powder charge is dropped by moving the charge bar to the rear, the wads are then inserted and seated, and shot is delivered by moving the charge bar forward. The charged hull is then moved to position No. 3 where crimping is completed in one step. If new paper shells are used, a special crimping die is furnished with the tool. Operation of the tool is simple, and our tool handled once-fired cases as well as cases that have seen better days with equal ease and uniformity. As mentioned before, shot and powder charges are extremely uniform, manipulation of the tool is easy, and the tool itself is built to last a long time. Each tool contains a sample shell that has been loaded on this particular tool and our reloads were tested in pumps, autoloaders, and double barrel shotguns. In loading some 200 rounds we did not have a single poorly made round. The tool is a relatively simple one, is easily handled by anyone, and even a beginner can follow the exceptionally well illustrated and descriptive operational procedures without any trouble whatsoever. With all of the com-

(Continued on page 61)

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★ ALL NEW CUSTOM FEATURES: MONTE CARLO AMERICAN WALNUT STOCK, BLUEING, SIGHTS AND RECOIL PAD

Klein's precision gunsmiths have sporterized the Model 1903 Springfield to provide you with a high powered, bolt action Sporting Rifle of excellent design and accuracy. Barrel has been shortened and curved to 22". Hooded ramp sight with gold bead. Entire barrel and action have been carefully reblued and polished. The bolt has been polished a bright nickel steel finish, and follower beveled for smooth bolt operation. Low scope safety. Action is drilled and bolt handle modified for scope installation. High number actions have been head spaced and proof fired to assure safety. 13 1/2x1 1/2x2 1/2 American Walnut stock. Monte Carlo style with cheekpiece and pistol grip. Recoil pad. Brass lug for shock absorption. Rifle is targeted after bedding. Wt. 8 lbs. 4 1/2". overall. Cal. 30/06. 5-shot. **\$69.95**

C23-3221. Rifle only (without sling and scope)..... \$69.95

C23-3222. Rifle with Tasco 1" 2 1/2-8X 32mm CH Variable power scope installed..... \$99.95

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C23-3223. Sporter Deluxe Rifle only without scope. As described but with 1" sling swivels and leather military style sling. 16-line hand checking with border on the pistol grip and fore-end..... \$79.95

C23-3224. Deluxe Rifle above with Tasco 1" 2 1/2-8X 32mm CH Variable power scope installed..... \$109.95

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KLEIN'S ALL NEW CUSTOM FEATURES!

SPORTERIZED ENFIELD 30/06

Klein's gunsmiths selected Enfield Model 1917 barreled finest actions. These were head spaced and proof fired to assure every safety precaution. Custom features include: Monte Carlo American Walnut stock with cheekpiece and pistol grip; entire barrel and action reblued and polished like new; bolt polished; notched elevator rear sight and hooded ramp front sight with gold bead installed. Recoil pad. Brass lug for shock absorption. Barrel cut and crowned to 22". Rounded receiver drilled and tapped for scope. Wt. 8 lbs. 4 1/2". overall. Cal. 30/06. 5-shot capacity. **\$59.95**

C23-3225. Rifle only without sling or scope..... \$59.95

C23-3226. Rifle with Tasco 1" 2 1/2-8X 32mm CH Variable power scope installed..... \$89.95

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C23-3228. Deluxe Rifle above with Tasco 1" 2 1/2-8X 32mm CH Variable power scope installed..... \$99.95

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KLEIN'S 30/06 BOLT ACTION HI-POWER RIFLE

Made by famed Firearms International. 12 groove button rifle barrels. Monte Carlo walnut stocks with cheekpiece and fluted comb. Has Williams "Guide" sight elevation, hinged floor plate. Fully adjustable Sako trigger with thumb safety. 5 shot. 24" barrel. 44 1/2" overall. Wt. 7 1/2 lbs. FN Mauser 400 action. Guaranteed for one year by Firearms International. Also available in 243 Win., 270 Win., 7mm Rem., or .300 Win. Magnum all at one Klein's Low Price! **\$99.88**

C23-2213. Rifle only..... \$122.88

C23-2214. Rifle with Tasco 4X 1" CH scope..... \$122.88

C23-2215. Rifle with Tasco 2 1/2-8X 1" CH Variable scope, mtd. \$126.88

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3 year guaranteed Forged receiver. 12 groove "Shal-Kut" barrel designed for the 110 grain carbine bullet. Blued barrel, action and trigger housing assembly. Select walnut stock. Wt. 5 1/2 lbs. 36" overall. 18" barrel. 5-lb. trigger pull. Crossbar safety. **\$77.78**

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E26-55. Hunting Ammo \$5.00 per 50 rds.; E26-2144. Metal jacketed ball ammo, 100 rds. \$7.95; A27-1645. 15 shot magazine, new \$1.50 ea.; B27-1646. 30 shot Magazine \$4.95 ea.

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Military No. 5 MK1 Royal Enfield. 10 shot, bolt action. 18" barrel. Wt. 7 1/4 lbs. With recoil pad, flash hider, sling swivels. Fine big game rifle made like a modern Sporter. NRA Excellent. **\$34.78**

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All with high number nickel receiver, milled working parts. Made in Gov't arsenals—not commercially assembled. 5-shot magazine. Adjustable rear peep sight, blade front sight. Great for sporting use. 43 1/4" overall, 8.69 lbs. NRA Excellent **\$39.78**

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Model 1908

The never-again to be duplicated creation of the great George Luger. Guaranteed completely serviceable and in NRA Good Condition but showing prolonged holster wear. 8 3/4" overall. 4" barrel. Wt. 30 oz. 8-shot capacity. **\$39.95**

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Brand new! First quality! Made by Tasco. With a twist of the wheel you can have any power you want from 3 to 9: Field of view, 14 ft. to 30 ft. Crosshair reticule. Magnesium fluoride hard coated lenses, windage and elevation click stops, parallax corrected. Nitrogen filled for fog proofing. Large eye piece and objective. 1 1/2" tube, cowhide lens caps. Overall 12", 14 oz. **\$29.99**

B27-1785..... \$29.99

B27-1786. VARIABLE POWER SCOPE 2 1/2x to 8x. Tasco quality and features same as B27-1785. Crosshair reticule. **\$21.99**

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C22-2191	12	2 3/4"	28"	MAF	7 1/4	45"	\$117.78
C22-2190	16	2 3/4"	28"	MAF	6 3/4	45"	\$117.78
C22-2189	20	2 3/4"	28"	MAF	6 3/4	45"	\$107.78
C22-2188	410	3"	26"	F&F	5 1/2	45"	\$107.78
C22-2187	410	3"	26"	MAF	5 1/2	43"	\$107.78

MATADOR! 10 Gauge Magnum Double

Perfect for ducks, geese, fox, etc. Shoots either 2 1/2" high velocity or 3 1/2" magnum shells. 32" full choked barrels. Engraved receiver. Double safety underlocks, checked French Walnut stock, beavertail forearm. 10 ga. only has double trigger. Auto ejectors. 49" overall. 9 1/2 lbs. **\$127.78**

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Original Factory Packed with full Marlin warranty. Side ejection for low scope mounting. Famous Marlin lever action, handsome walnut pistol grip stock and fore-end. 5 fast shots make this powerful carbine a great woods gun. Drilled and tapped for scope. Receiver sights. Wt. 6 3/4 lbs. 20" barrel. 38 1/2" overall. **\$66.79**

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Famous World War II 30/06 caliber semi-auto rifle. 8 shot, 24" bbl. 42" overall. Adjustable sight. Exactly as issued with original clip type aperture sight adjustable from 100 to 1200 yds. Weighs 12 1/2 lbs. Precision welded receiver. In NRA Very Good Condition. **\$77.99**

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CROSSFIRE

The Frank Felicetti Case

Your article in September GUNS on the Frank Felicetti case prompts this request for membership (in the Shooters Club of America). I feel your efforts deserve all support possible.

I am a member of the NRA and am disappointed and ashamed to have heard about this case through another club.

Neal P. Lang
Cape Canaveral, Florida

You have done a real public service in publishing the facts about the Felicetti case and calling for contributions for his defense. Enclosed is a copy of my letter to the law firm mentioned in your editorial and to whom I sent a contribution.

I do not know whether the time has come to repeal the iniquitous law under which Mr. Felicetti is being prosecuted or not. The "climate of opinion" in the United States today is hard to judge. On the one hand, the murder of President Kennedy unleashed a wave of mass hysteria which the anti-gun fanatics have done their best to exploit; and in this they have had the aid of many of the national magazines, news services, and TV stations. On the other hand, the danger in the streets and even in their own homes to law-abiding citizens everywhere, but especially in our big cities, is causing an increased realization of the inability of the best police force to protect everyone at all times, and hence to a greater insistence on the right to keep and bear arms as a vital part of the inherited civil liberty of free Americans.

In any case, I believe with you that the best defense is an attack. And a good place to start is with the case of Mr. Felicetti.

Laurence Lee Howe
Louisville, Ky.

Sullivan Law

I have read your editorial in the September issue concerning Frank Felicetti and the Sullivan Law.

Recently there have been at least two other instances where innocent people were arrested for defending themselves. One of these was a secretary from Queens who defended herself with a knife and promptly found herself in jail. After this incident, the "New York Daily News" finally spoke out, criticizing this law. Since then, I have written to the editor, suggesting a meeting between the New York City Officials and officials of the NRA, the topic of this meeting would be ways and suggestions on changing this law so that honest people might have an easier time in obtaining a

pistol permit, yet one that would be more effective in preventing criminals from obtaining firearms.

Since we cannot abolish the Sullivan Law, why not try to change it? I intend to contribute to Mr. Felicetti's fund tomorrow.

A. C. Benintente
Cranford, N. J.

My congratulations on the editorial in the current (September) issue; it is excellent! I hope you send a copy to Rep. John A. Lindsay of New York—it might make him change some of his views.

James E. Serven
Tucson, Arizona

A copy is already on the way to Rep. Lindsay, and we hope it will do some good. Early response to this editorial has been most gratifying.—ED.

Paging Col. Harbour

Flock shooting geese at distances up to 100 yards with 12 gauge buckshot loads, as mentioned in your August '64 issue, is a despicable act which should only be stated in the context that hunters be admonished not to do it.

This practice, just as hill shooting, coulee shooting, ditch shooting, sit shooting, back shooting, etc., is abhorred by the conservation minded, genuine sportsman. Shotguns are short range weapons and any game that cannot be killed cleanly over decoys with No. 2 or smaller shot, should not be shot at. Just because it's legal does not make it right.

Geese are majestic birds worthy of a better fate than dying unretrieved from buckshot wounds from the hands of sky-raking, pseudo sportsmen, too cheap to obtain decoys and too lazy to dig pits where the birds feed. For the sake of conservation, I hope you're sportsman enough to have the guts to print this letter.

Vernon Charnetski
Prelate, Saskatchewan

Being an old goose shooter who prefers shooting over decoys, I can understand Mr. Charnetski's criticism of our U.S. hunters who pass shoot at geese with buckshot. However, the majority of hunters around our winter goose refuges in the U.S. often have no other form of goose shooting open to them. The lands around most of our refuges are leased or tightly posted, and the option of placing decoys in fields where geese feed, which lucky hunters like Mr. Charnetski and others in the great province of Saskatchewan know, is not open to many U.S. hunters. So their only choice is long range

pass shooting from public pits around these refuges, and the new Mark 5 buckshot loads are the most effective and merciful load to use for this kind of shooting. In fact, I have seen far more geese crippled by shooting over decoys than I have by pass shooting with good buckshot loads. So, I cannot agree with Mr. Charnetski that U.S. hunters are "cheap" or "lazy" or "pseudo sportsmen." And anyone who knows his shotgunning with buckshot knows that it is a rare occasion indeed when a goose flies off to die, unretrieved, with a buckshot which would kill a deer in him. Unfortunately, the same cannot be said of the lighter loads.

Col. Dave Harbour
Colorado Springs, Colo.

Dear Kent Bellah

I liked your report on the .41 Magnum ballistics in August GUNS. This is the nearest to an exact and objective appraisal that I've seen.

You will surely know my feelings, and will realize that every review like yours will help maintain facts. And it is facts that we so sorely need in this shooting game.

E. M. Yard
Trenton, N. J.

Nation of Sheep?

The enclosed newspaper clipping will make your blood run cold. This is what Americans may expect to become if they allow their guns to be taken away. We are in too much danger of becoming a nation of sheep, as is readily apparent from the actions of the "good citizens" mentioned here.

Allen C. Messer, Jr.
Nashville, Tennessee

The newspaper article describes the brutal murder of a woman in a New York street while 38 respectable citizens watched, but did nothing. The killer was interrupted three times, yet returned twice within a 35 minute interval to commit his crime. A sad documentary on our times.—Editor

Pro-Gun Candidates

The American tradition toward firearms represents a priceless freedom won by our forefathers which few other nations enjoy. So strong was the conviction of our founding fathers about the right to keep and use firearms lawfully that they amended our original Constitution so that "the right of the people to keep and bear arms shall not be infringed."

Historically, firearms were necessary for survival. Today, the 60,000,000 owners of firearms in America no longer depend on them for survival and their daily meals, but shooting continues to be an important segment of our activities.

Unfortunately, there is a growing prejudice on the part of some against firearms. Legislation is constantly being proposed on the local, state and federal levels which denies or restricts the constitutional right granted to us. Most of these proposed laws restrict gun ownership by the honest citizen instead of punishing those who use guns for illegal purposes. It is questionable if legislation could prevent criminals from securing and using guns, but proper laws can and should severely penalize the illegal use of guns. Their use should be enhanced by proper

education. Restriction should be limited to those not physically or mentally capable of handling them without the possibility of endangering the lives of others.

Since the Constitution guarantees such basic rights as the right to bear arms, it is unfortunate that some segments of society are intent on abridging one of those freedoms. I would urge all citizens to remember that any restriction on the Constitution is a two-edged sword, and that it can be applied to other rights of Americans—rights that are effective only to the degree that we are willing to meet the obligations of freedom.

Bud Wilkinson
Candidate for U. S. Senate
Oklahoma

Today, we have more restrictive firearms regulations than ever before in the history of the United States; and today, there are more crimes of violence (more in actual number, and more in proportion to the total population) than ever before. This is not coincidental; it is inevitable. Criminal violence against law-abiding citizens will always increase, as citizens are restricted in their right to defend themselves.

A free man must have unrestricted right to own and use personal weapons, in the defense of his family, his home, and his own person, against any kind of marauder—whether the marauder be a soldier of an invading army, an agent of an internal political conspiracy, or a common criminal.

If a man loses his right to free, lawful use of personal firearms, he loses his identity as a free agent in a civilized country. He becomes totally dependent (and, therefore, ultimately a slave) upon centralized police authority for protection of his life, liberty, and property.

It is probably no exaggeration to say that an American citizenry, well armed with personal firearms, and possessing the knowledge to use them effectively and properly, would provide more defense against invasion by a foreign enemy—or against internal attempt to seize power—than all of the "National Defense" which President Johnson plans to buy with 51 billion, 200 million tax dollars in the next fiscal year.

For the foregoing reasons, and because I feel the Second Amendment is the most neglected part of the Constitution, I strongly favor the enactment of a pro-gun law.

Bob French
Candidate for Congress
Alabama

Salute

Gentleman, I salute you on the August GUNS. It was truly an outstanding issue of an outstanding magazine. Since I am a "gun nut" and also a nut on the Civil War, this issue was of particular interest to me.

I would also like to compliment you on the Shooter's Club of America; I have just recently joined the N.R.A., and would like to know if young shooters are invited to join your club. I'm eighteen years old and an avid rifleman and supporter of the right to bear arms.

Keep up the great job you're doing.

Butch Etheridge
Jackson, Miss.

ALL shooters are invited! And most of them seem to be joining! Come on in; the water's fine.—Editor.



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Cylinders. \$25.05 **\$19⁹⁵**

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THE FRONTIER GUN SHOP

BY JAMES M. TRIGGS

PIONEER AMERICAN RIFLES:

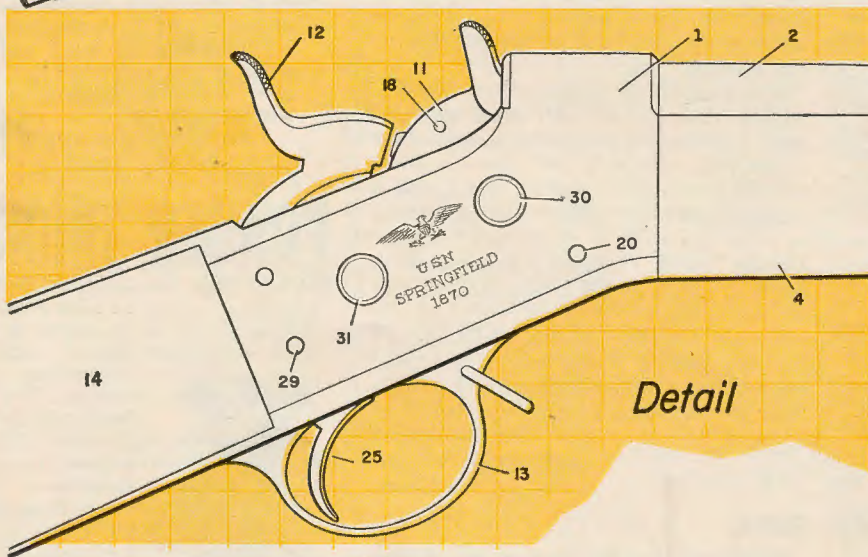
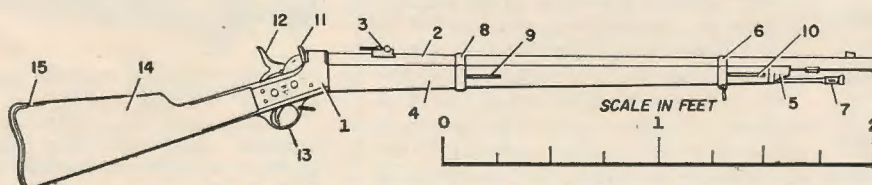
FIRST MANUFACTURED by the Savage Revolving Firearms Company, under contract to E. Remington & Sons, for the U.S. Government, the rugged "rolling block" action became a famous Remington product. The new Remington rifle, in caliber .50, was accepted for Army use in 1871, being manufactured at the same time at the Springfield Arsenal for Navy issue.

Many variations of Remington rolling block rifles have been produced, from the Civil War until the late 1930's, in a great variety of calibers. Many thousands of these rifles were made by Remington for both domestic and foreign sales. The rolling block rifle was also produced by the Danish Government Arsenal.

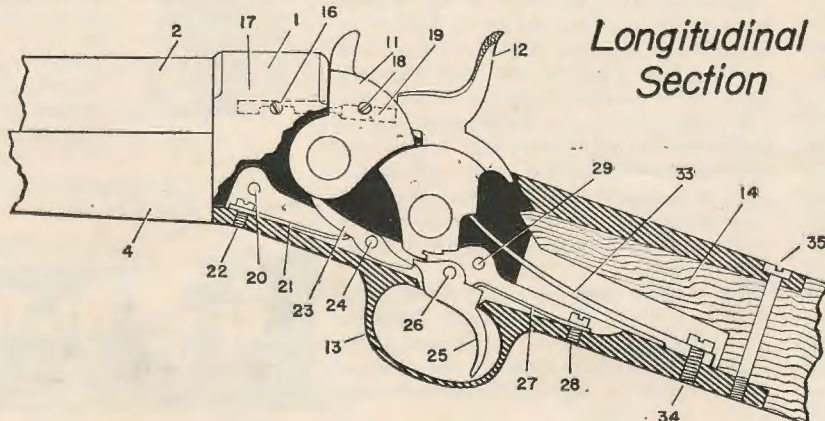
Disassembly of the Remington Navy Rifle, Model 1871, is as follows. Although there are various small design changes between this and other rolling block models, disassembly will be substantially the same in most cases.

Remove button screw and button between breechblock and hammer pins (30, 31) at left of frame. Pull hammer to rear and press breechblock pin (30) out of frame. Remove breechblock (11) with firing pin (19) from frame (1). Let hammer down and push out hammer pin (31). Remove hammer from frame. Remove ramrod (7), press in band springs (9, 10), and slide bands (8, 6) forward off fore-end (4). Remove fore-end. Remove tang screw (35) and slide buttstock (14) off frame to rear. Unscrew front and rear trigger guard plate screws (20, 29) and pull trigger guard plate (13) out bottom of frame. Parts in trigger guard plate are easily removed. Reassemble in reverse order.

Remington Rolling Block



Longitudinal Section



PARTS LIST

1. Receiver (frame)
2. Barrel
3. Rear sight
4. Fore-end
5. Stock tip and screw
6. Front band, screw and swivel
7. Ramrod
8. Rear band
9. Rear band spring
10. Front band spring
11. Breechblock
12. Hammer
13. Trigger guard plate
14. Buttstock
15. Buttplate (with screws)
16. Extractor screw
17. Extractor
18. Firing pin screw
19. Firing pin
20. Front guard plate screw
21. Lever spring
22. Lever spring screw
23. Locking lever
24. Locking lever screw
25. Trigger
26. Trigger pin
27. Trigger spring
28. Trigger spring screw
29. Rear guard plate screw
30. Breechblock pin
31. Hammer pin
32. Button and screw (not shown)
33. Mainspring
34. Mainspring screw
35. Tang screw



superb hunting partner... Colt's new AR-15 Sporter

With Colt's new AR-15 Sporter you're ready for a new hunting adventure.

The AR-15 Sporter weighs only six pounds. Its .223 cal., 55-grain bullet has a muzzle velocity of 3,100 fps. Every AR-15 Sporter is factory targeted at 100 yards.

If you're a hunter, camper or collector, you'll want the AR-15 Sporter. At any Registered Colt Dealer. \$189.50

Colt's Firearms

Hartford, Connecticut



Colt Industries Inc
Colt Firearms Division



EVER SINCE THE FIRST gangster took a hack saw to the barrel of his .38 and lopped it off in front of the ejector rod, the gun-toting public has been the victim of the greatest hoax in handgun history! The belief in the myth of the effectiveness of a .38 Special revolver with a 2" barrel has been a very costly bit of folklore! Good men have staked their lives on these pipsqueak pistols—and lost.

The .38 Special cartridge, fired from a heavy frame revolver with a 6" barrel, is not a guaranteed man-stopper! A really determined thug has to be killed instantly, or have his hide well ventilated, before he stops coming at you when you're using a gun of this caliber. It is ridiculous to think that a popgun having one-third the weight and bore-capacity, and having sighting radius less than half that of an honest man's gun, can be counted on in emergencies. When you're carrying one of these mutations, you're sending a small boy to do a big man's work.

Adding insult to injury, the gun companies have gilded these lilies by giving them frames of aluminum and other lightweight metals. This increases the recoil and results in even more inaccuracy. When it comes to handguns, I prefer to have my aluminum in coffee pots! I don't think that the men of America have become so enfeebled and tender that they might strain themselves too much if they carried re-

The Case Against **THE SNUBS**

By **CHIC GAYLORD**

These Smith & Wesson revolvers were all used by the author in his tests. From top to bottom: .357 Magnum with 8 $\frac{3}{8}$ " barrel; Outdoorsman with 6" barrel; 5 inch .357; 4" M&P 3 $\frac{1}{2}$ " .357; 2" and 3" Chiefs Special; and Airweight Chief.

THE AUTHOR RATES SNUB NOSE REVOLVERS AS A POOR CHOICE FOR SELF-DEFENSE, AND GIVES YOU HIS PREFERENCES

volvers made of hard, durable steel.

In double action combat, the 2" babies are next to worthless at ranges over seven yards. After a gunfight, it is not unusual to discover bullets lodged 20 feet to one side of the line of fire, when snub guns were used. Misses with long barreled service revolvers are found within a foot or two of the point of aim.

The psychological effect produced by pipsqueak pistols leaves much to be desired. Detectives tell me that too often, when they have "the drop" on a felon, he'll decide to take his chances and either run or fight if the sleuth is armed with a snub gun. However, if he is wielding a large, heavy caliber revolver, even the toughest thug will surrender meekly. The tiny gun might kill him just as dead as a .45 Colt—but he's willing to bet his life that it won't.

Snub guns suffer from lack of penetration and shocking power. I know of scores of cases of men who were shot by .38 caliber snubbies and didn't even know they were hit until they discovered they were bleeding!

While apprehending a felon recently, a detective fired his snubby into the floor of the apartment. He was amazed to find the bullet only halfway embedded in the parquet floor!

In Kansas City, a gangster ran to his car, and was trying frantically to start it,



Colt's new 2 1/2 inch Python, shown here with a pair of Herrett stocks, is a powerful snubby. Below: The author's custom Colt Police Positive.



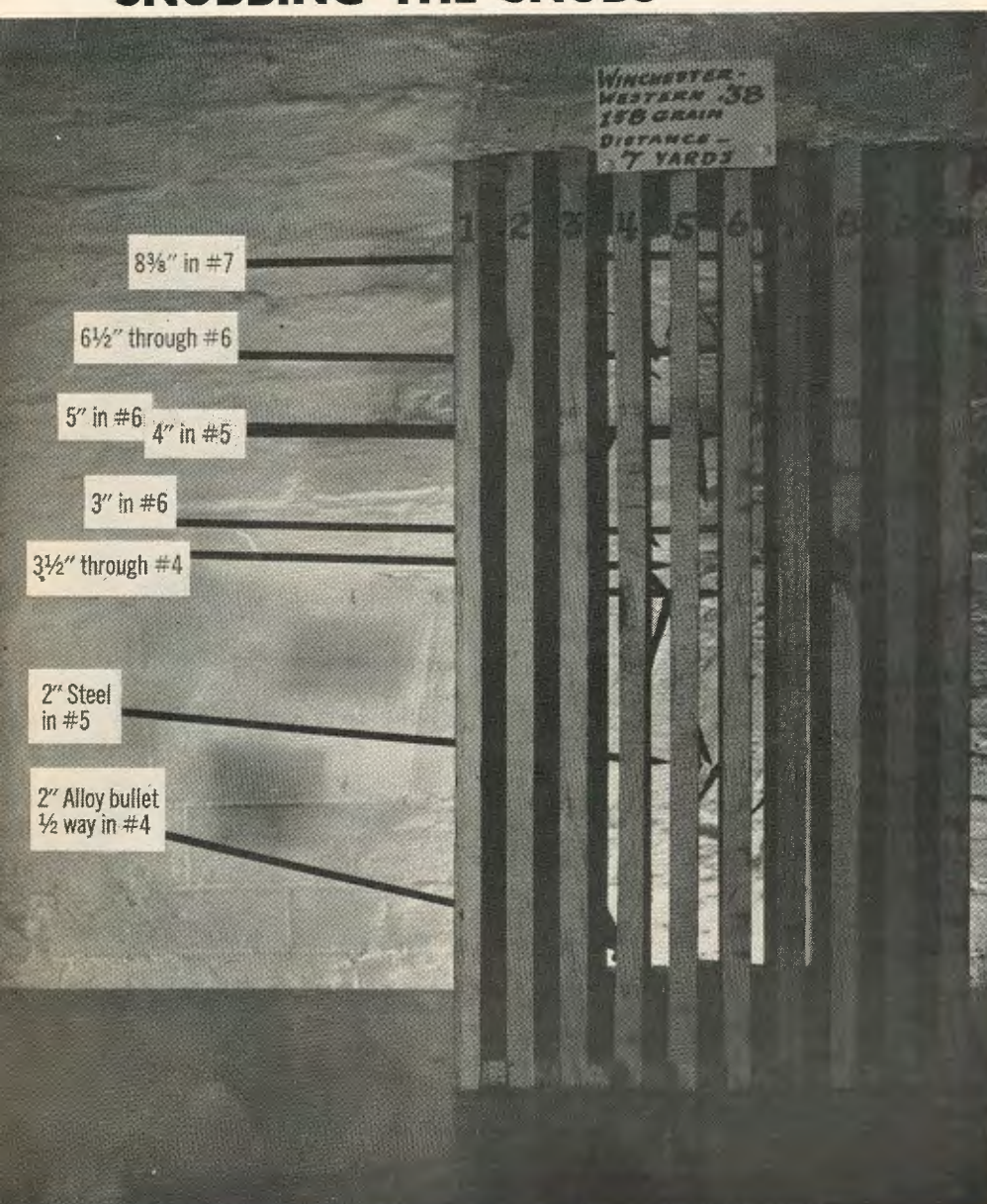
The author's selection for the best factory "carry" gun is the S&W Chief Special, with steel frame and 3" barrel, Fitz Gunfighter grips, and Flaig's "Ace" trigger shoe.

Two-hand hold may help to control the recoil of the snubs, but does little to help range—or accuracy.



In the author's opinion, any revolver with less power and performance than the Colt New Service .45, with a 5 inch barrel, is more likely a calculated risk than a compromise for anybody who depends on his gun.

SNUBBING THE SNUBS



This test pitted the .38 Special against itself in a variety of barrel lengths, and shows why the author's preference leans to the long barrel. Pine boards, 3/4" thick, were spaced at 1/2" intervals to stop the bullets.

when the two federal agents came into view. He was starting to pull away from the curb when one agent emptied his .38 snub nose into the side of the car. The bullets splattered harmlessly off the metal side of the car. The second agent raised his heavy service revolver and nailed the hoodlum with one shot through the metal door of the car. Both men were using the same cartridges and were firing from the same distance. The heavy revolver with a four inch barrel could do the required job. The lightweight snub-nosed gun flunked the same test.

The .38 Special cartridge was designed to be used in heavy frame revolvers with 7 1/2" barrels for maximum performance of the load. There is not too much difference in the performance of this gun and those having 6" barrels, although it is noticeable in long-range shooting. A 5" barrel is not quite as effective as a 6" one, but it is probably the best length for service use. It is not too long for ease of carrying, but it has sufficient bore capacity and sighting radius to make it an excellent compromise. There is a very noticeable loss of range, accuracy, and penetration between five and four inches of barrel, and an even more pronounced drop between four and three inches. The loss in performance between three inches of a barrel and the 2" snub nose is so great as to be inexcusable!

The evaluation of any gun should be based upon the available ammunition for it. Exponents of snub guns always fall back on handloaded cartridges tailored for the specific gun. Yet relatively few have the time, equipment, and inclination to roll their own ammo. To improve performance, it is usually suggested that snub guns be handloaded with a 110 grain wad-cutter bullet in front of a charge of fast-burning Bullseye powder. It is impossible to drive a 110 grain bullet out of a 2" barrel with sufficient velocity to knock a man down at 50 yards. It takes a 200 grain bullet at that velocity to do the job. A hollow point bullet has to be traveling at least 1100 fps to open up, even at close range. This velocity is impossible to attain in a 2" barrel.

When it comes to accuracy, the snub guns are in a class by themselves, and a very disreputable class it is. In too many cases, bullets fired from short barrels start to tumble or "keyhole" at about 30 yards!

Two plainclothesmen, in hot pursuit of a brace of (Continued on page 49)

Spotting Scope Gadgetry



When properly strapped to the back of a saddle, the case and content ride safely.

**TROPHY HEADS ARE SPOTTED EASIER AND
FASTER WITH THESE ACCESSORIES**



By ARVID F. BENSON

IN WILDERNESS trophy hunting, be it for sheep, caribou, goat or whatever, the selection of proper equipment is essential. The proper rifle and cartridge can mean the difference between success and failure; the right clothing can mean comfort or misery; and choosing the wrong outfitter could be a complete disaster.

As far as optical equipment goes, some say that a spotting scope is not necessary; that a good pair of binoculars will do the job. But, I go along with the majority of hunters who believe that for successful wilderness hunts, a spotting scope is as essential as a saddle—I wouldn't go without either one. However, a spotting scope without a tripod is not the easiest thing to use.

The ordinary scope stand is fine for the prone position, but a camera tripod with a panning head can make a spotting scope more productive for long distance searching. It can be elevated to allow spotting in a comfortable sitting or standing position.

There are many camera tripods available, but most are either over 17 inches long and heavy, or small and unstable. After a lot of leg work, I found one called the Whitehall Elevator Travelite, by Quickset, Inc., Model ETR 1. It is just 17 inches long when collapsed, and it extends to 52 inches.

My Bausch & Lomb spotting scope is attached to the cradle from a Free-land scope stand with the conventional metal band. The bottom of this cradle can easily be drilled for attaching to the camera tripod, but this does not give the stability and speed of assembly that is needed. I attached a 2½ x 3 inch plate to the bottom of the cradle which makes slotted contact with a similar plate attached

to the tripod head. The plates are cut from beveled aluminum threshold, and slots are cut in each bottom bearing surface to provide positive non-slip contact.

The two plates are locked together, when the scope and tripod are assembled, by means of a thin metal strip bent at a 90 degree angle down over one side of the top plate. This strip has a hole which slips over a stud which is set into the edge of the bottom plate. A knurled thumbscrew, fastened to the opposite side of the lower plate, forces against the beveled portion of the top plate to hold the two plates together solidly. This can be assembled in seconds; one tenth the time of the conventional camera attachment on a tripod.

To facilitate getting the spotting scope into action fast, I have installed a 2½ power (Continued on page 53)



Author's spotting scope with its special tripod and the added aiming scope. Right: Close-up of the home-made detachable head.

Guns HUNTING FORUM



ORMOND on
*Rifles For
Alaska*



BAUER on
*Wait For
Your Buck*



POPOWSKI
*on Pheasant
How-To*



ASKINS on
*Antelope
Rifles*



OLT on
*The
.22-250*

Rifles For

By CLYDE ORMOND

BECAUSE OF MORE sports dollars, faster transportation, more roads, and most recently statehood, hunting in Alaska by non-resident hunters has mushroomed. And hunting in Alaska presents a peculiar problem when it comes to selecting a suitable rifle and cartridge combination. Consider the following typical examples, and you'll see what I mean.

You and your guide are riding a high blueberry ridge at sun-up, in moose country, looking for a trophy head. Suddenly, out of the high bush, at no more than 20 yards, a grizzly rises up, startled, and to full height. He coughs out, "Whoosh! Whoosh!" in a voice that sends your neck hair standing straight. For ten seconds he debates whether to take you on, or back sullenly off into the bush. Both rifles are "handy" in scabbards—but not in your hands.

You've wounded a great brown bear in the Aleutians, where the foliage is a mixture of alders up to four inches thick, and heavy grass which will reach the thighs. You think it's a fatal shot, since the huge beast tumbled and rolled down the steep hill. But as you and the guide unravel the sparse blood spoor, yard after yard into the thick foliage, you are not sure. The deep tracks in the wet ground, and the few drops of red blood continue into the alder maze. You don't know at which rod ahead that bruin will be lying still, or rise up at you.

Maybe you are coming back to base camp, along the bank-cliffs above a raging glacial river, and you see a tiny white speck far down below. The spotting scope shows it to be a bull caribou, with the evening sun glistening on the white mane. After stalking within 200 yards, you and the guide conclude that the bull is well into the Boone & Crockett records. The raging river can't be forded, though somewhere within a few miles, the sturdy horses may find a place to pick their way, belly-deep, across between the glacial boulders and quick-sand. A couple of jumps by the bull, if you shoot, will put him back into thick spruce "bush." There, unless he's stopped in his tracks, he'll be lost forever, even to the best tracker.

Lastly, imagine you're stalking a trophy ram. As the heavy fog lifts a moment, you see him in the binoculars far across the valley. The guide, who can size up rams to within a small percentage, says, "Thirty-nine on the left, and maybe forty on the right!" In the fog, the range is uncertain, and both of you conclude it's somewhere between 300 and 400 yards. It's the chance of a lifetime, and it will be there for only 30 seconds.

These are not make-believe situations. They are actual hunting opportunities I've been in on recent Alaska hunts, and they are typical of the wide variety of circumstances under which the hunter comes upon his game. What the hunter can do, does, or wishes he could do under the strange conditions, depends to a large extent upon the rifle in his scabbard or hands—and what he has trained himself to do with it.

In the first two instances, involving (*Continued on page 58*)

Alaska

The 7 mm Magnums, by Weatherby (left) and Remington, are fine for most Alaskan game. Author's brownie fell to a .300 Weatherby.



Big game hunting in our most northern state requires a versatile rifle-cartridge combination



Left to right: A 180 grain slug recovered from a caribou. Magnum cartridges are: .300 H&H .308 Norma; .300 Weatherby; and the .300 and .338 from Winchester.





WAIT FOR YOUR BUCK

By ERWIN A. BAUER



As long as the hunter sits still, he will be inconspicuous—though he may not always be camouflaged.

ON OPENING DAY of Michigan's deer season a few years ago, a stranger strolled into a tavern in a small town on the Upper Peninsula. Dressed in shiny new boots and brand new hunting togs, he was obviously a neophyte sportsman.

"Exactly where," he asked no one in particular, "Can I bag a big buck in a hurry. I have to be back in Detroit tomorrow."

"Just go outside village limits," the bartender volunteered, tongue in cheek, "And sit down. They's deer every place around here."

As soon as the stranger left, everyone joined the bartender in a big horse laugh. But they'd hardly finished

the next round of drinks when the man returned—with a buck as big as a small cow lashed onto his car fender.

"Just want to thank you guys," he said. "I didn't know deer hunting was so easy!"

The incident, which is entirely true, isn't as ridiculous as it may sound. Although it was intended as a practical joke, the tavern-keeper's advice was about the best he could have given to any deer hunter—experienced or a raw beginner. It's as true in Montana, or Missouri, or New Mexico as it is in Michigan, no matter what kind of deer are being hunted. The best, most certain way to bag your own buck this fall is to go out someplace, sit down



Whitetail doe walked almost up to the author, unaware of the danger.



This big muley, old enough to be extremely cautious, strolled right past the author who was playing a waiting game just over the top of the ridge.

...and play a waiting game.

Of all the wild critters in American woodlands, deer must be considered among the most shy and wary. As any deer hunter knows, it isn't an easy matter to stalk within rifle range of a good buck. But the odds are much better, perhaps five times better, if you let the deer come to you.

When hunting seasons are open, deer are much more restless than at other times. Mule deer of the West are often traveling from summer to winter range, from high country to lower altitudes. And almost everywhere the rut is either beginning or is in progress. The gigolo bucks especially are wandering about.

But even during all this movement and restlessness, deer are creatures of habit, confining their movements—unless disturbed—to early morning and late afternoon hours. They tend to follow the same patterns, trails, and crossings day after day, week after week, and even year after year. It follows that a wise hunter first finds an area which deer are "using," and after that stations himself on a stand nearby. Sounds simple, doesn't it?

Playing the waiting game isn't always as easy as it sounds. It's a skill—or maybe an art—and it requires some preparation. For example, waiting motionless in wintertime can become mighty uncomfortable. But it isn't necessary to suffer either of these inconveniences and here's how it's done.

After selecting a stand, Lew Baker

a hunting friend, takes a saw, axe, nails, and a roll of baling wire to the site. There he builds his blind in a tree or between several trees. In Minnesota, the law restricts him to a blind only six feet off the ground, but elsewhere this regulation doesn't exist. His isn't a slipshod or flimsy structure—it's sturdy and well built. A structure which creaks or groans under a man's weight only serves to alert approaching deer. Another hunter I know goes Lew one step better; he covers the floor of his blind with an old piece of carpet to muffle the scuffling sounds of his boots!

Once he is settled on his perch, Lew becomes a sporting goods salesman's dream come true. Besides several layers of down- or dacron-filled clothing and his rifle, he has along the following: a large Thermos of hot beverage, foul weather gear, a camera, a tasty lunch, small smokeless heater, and a couple of handwarmers.

Whether it's done from an insulated overhead blind or just by sitting on a fallen tree trunk, the waiting game is the deadliest technique of all for the hunter with a haunch of venison on his mind. Here's why. A man or animal in motion is always easier to see than when standing still. In addition, the man or deer that moves is also making noise, perhaps only a slight noise, but a sound nonetheless. And a man who is moving broadcasts his own scent more than when he is sitting in one place. All of this means that the advantage of first

(Continued on page 57)

You'll have more success in your deer hunting if you sit down and let the deer come to you



"Lower him gently—I waited for this venison a long, long time."



Get Your Pheasants!

By BERT POPOWSKI

Non-resident hunters will bag more birds with these tips

WHEN SOUTH DAKOTA opened its first ringneck pheasant hunting season in 1919 (a one cock daily limit during a two day period) some hunters had trouble filling out. Because of rough weather, only about 200 cocks were harvested that year. Empty-handed hunters promptly claimed the birds weren't as numerous as they had been led to believe; but they were as wrong as could be.

Today, 45 years later, the wailing theme song is the same, particularly during the early stages of the season; especially during the first two weeks of the four-bird, 74 day season in the fall of 1963.

Despite the detractory claims of disappointed hunters, nearly 70,000,000 ringnecks were legally taken in South Dakota during the past 45 consecutive hunting seasons. Through annual samplings of many thousands of resident and visiting hunters' daily and seasonal bags, the Game Department has a reasonably accurate insight into the legitimacy of the squawks of lazy hunters and inept shots. They learned that nearly 90 per cent of such claims of insufficient birds are unjustified, and that nearly all of the gripers don't use their heads for much more than perches for their hunting caps.

Most complaining hunters fail to realize how and why pheasant seasons are set, and how daily bag limits and seasonal durations are established. Furthermore, they don't know enough about the birds' habits, and how these can change from week to week or even from day to day. The net result is that they bumble around aimlessly, often hunting relatively barren areas which were literally crawling with ringnecks earlier that day or on preceding days.

Knowledgeable pheasant hunters don't have such troubles. Most of them, like expert deer hunters, hunt only during the choice hours of the day and then point their efforts at cover that is attractive to the wily birds during such hours. The net result is relatively easy hunting, lots of birds per gun, and quickly filled bag limits.

How and why are opening dates of pheasant seasons set? It used to be that Game Departments would wait until early autumn before making up their minds, often only a fortnight ahead of formally setting the season. That worked a hardship on all prospective hunters, particularly non-residents, who needed much more time to shape up their hunting plans.

Today game technicians work from the spring end of the calendar. Aided by field observations of wardens, rural mail carriers, landowners and sportsmen's club, they start with the nesting seasons. They conduct a cross-section count at the time the majority of hens bring off their hatches, the average number of chicks per nesting hen, and the duration of the nesting season.

Such observers don't have to find the individual nests to get that basic information. Any capable game technician can use binoculars on chicks accompanying a given hen and, by their size and plumage pattern, know within a week or less just when the eggs were hatched. Then it's a matter of elementary mathematics, based on previous experience, to determine when the young cocks of average broods will be fully feathered for strong sporting flight.

There are some exceptions, as where first nests have been destroyed by varmints, weather, or other means. But the hunting season can't wait for those exceptions, if the rest of the hatch has been reasonably close to schedule. Only when the whole nesting season is late will the hunting season be delayed by the Game Departments.

All of the nine Corn Belt States, plus many others, now



Late season hunters will more likely see scenes like this than those hunting the early part of the season.

use this procedure. Experience has proved it the most efficient method of getting hunters afield during the fine Indian Summer weather. It is the natural time for harvests, when both vegetative and game crops are at peak condition.

None of these states claim shooting galleries of these fine game birds; nor do such top-notchers as South Dakota and Nebraska claim that all areas open to hunting are equally productive. The tip-off is the daily bag limit and the duration of open season. It should be obvious to even the greenest non-resident that he shouldn't head for an area having a two-cock daily limit of a week's season duration, if he expects to take home the legal limit of 20 or more birds. Simple math tells him that even if he limited out every day he would have only 14 birds when the season closed.

In recent years, South Dakota has added a bonus to its earlier pheasant seasons; something that most non-residents don't know about or choose to ignore. Cover at the opening of each annual season is thick (Continued on page 68)



Relaxing with a cup of hot coffee, this hunter looks back on the past several hours, which brought him this four-bird day's limit of fully mature cock pheasants.

Three of Roy Weatherby's Magnums are ideal calibers for the speedy antelope the .257, 7mm, and the .270.



Is your favorite caliber among those that the author found to be the best for pronghorns?

By COL. CHARLES ASKINS



Flat shooting cartridges and skill are prerequisites for this trophy.



Antelope

BALLISTICS

THE PRONGHORN ANTELOPE is no easy touch for the rifleman. The bucks, especially the older ones, know all about hunting seasons, and some hunters will tell you that the same bucks also read the ballistics tables!

The handsome plains animal is a lot smaller than you think, and the lethal area, generously speaking, measures not more than 10 inches in length and 14 inches in height. Now take this small rectangle out to 300 or 400 yards, add wind variations, ballistics and gun accuracy, and you have an equation that can resolve itself in a lot of misses and even more frustration. If you think that the lethal area of heart, lung, and spine is understated, consider that your target scarcely stands more than 36 inches at the shoulder—when you are right next to him.

To qualify as pronghorn buster, a rifle and load must possess high initial velocity, inherent ability to retain a considerable velocity to same game yardages, and at the same yardages, it must have sufficient oomph to penetrate bone and muscle. These are hard requirements, and only a handful of our presently available guns and calibers will qualify. Last, but certainly not least, gun and load must be tack drivers, capable of driving the bullet into that smallish quadrangle at longish ranges. If you think I am emphasizing the negative, tack up a square of cardboard, 10" x 14", and then touch it up with paint until it is the color of prairie grass. Then whang away at it. Shoot from the 300-400 yard marks, shooting only when the 20 mph winds blow. A little of this gunning will convince even the most sanguine that here indeed is a tough gamelands chore.

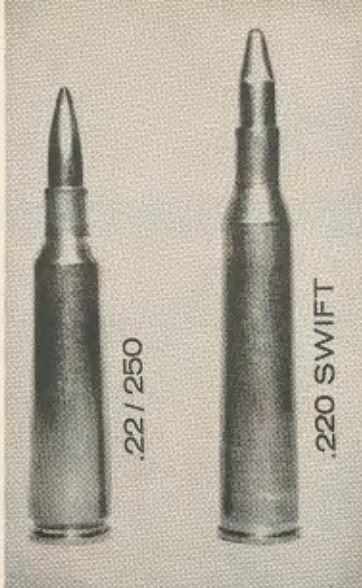
A bullet which leaves the muzzle at hyper-velocities will

travel a ballistic pattern which, ordinarily, is gratifyingly flat. This we must have in antelope rifle. If cartridge and bullet do not possess this virtue, they are worthless for our purpose. Giving a bullet hotrock speeds isn't too difficult, but to keep the slug going at these velocities and with a flat trajectory, is sometimes not so easy!

Here bullet choice is important. Bullet diameter in relation to its weight, and to a somewhat lesser degree, bullet length in relation to its configuration, will govern trajectory flatness of a bullet, providing it gets enough initial velocity. We refer to these qualities as sectional density and ballistic coefficient.

Sectional density is the bullet's weight, in pounds, divided by the square of the diameter in inches, it gives us a measure of the projectile's ability to overcome the resistance of the atmosphere and shoot flat. Sectional density is expressed as W/d^2 . Even more important is the ballistic coefficient. This spells out what the bullet will do. The ballistic coefficient is a ratio between the W/d^2 of the bullet and its coefficient of form. It is expressed W/id^2 with "i" being the form factor. Ingall's tables are usually used to find the coefficient of form. Although sectional density is important it can be mis-used. Sometimes a blunt-snouted slug has a high sectional density but due to its scowl-like front end will shed velocity more rapidly than a second bullet which has somewhat lower sectional density but a better proportioned prow. In the final analysis, the ballistic coefficient is the important factor.

If a bullet with a high ballistic coefficient and well-designed jacket and core is driven (*Continued on page 42*)

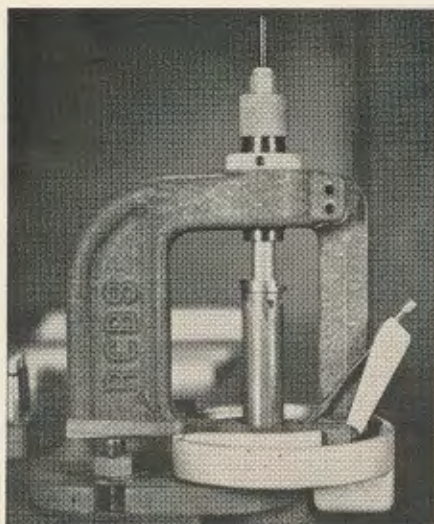


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The explosion of a one gallon water can shows destructive power of a .22-250. Though .220 Swift case looks larger, its capacity is close to the Varminter.

The .22-250 makes a comeback

By JAMES OLT



Cases for the .22-250 are easily made with a .22-250 full length sizing die and .250 Savage cases.

Accuracy, flat trajectory, and an awesome destructive power make the .22-250 a top choice for varmints.

THROUGHOUT ITS 30 or so years of use, the .22-250, or .22 Varminter, has been one of the most popular and widely-used high velocity .22 wildcat cartridges. It is easy to load, accurate, and awesomely effective on varmints. It is not and should not be considered a big game cartridge, although it has accounted for untold numbers of big game animals—from whitetail deer to grizzly. For many years, the .22-250 was also a favorite bench rest cartridge, and is still seen at the matches despite the .222 Remington and similar cartridges that were designed expressly for the 3000 fps velocity level.

Captain G. L. Wyotkins, who had a hand in the creation of the .22 Hornet, developed the .22-250 in the late 20's, and reportedly called it the "Swift." Winchester, so the story goes, was enthusiastic about the new cartridge and planned to chamber rifles and produce ammunition for it. At the last minute, and for unknown reasons, they switched to the present version of the .220 Swift on the necked-down and modified 6 mm Lee Navy case. More than a few shooters are still wondering why this switch took place.

Jerry Gebby, an Ohio gunsmith, "improved" the .22-250, named it the "Varminter," and copyrighted that name in 1937. This did not stop other gunsmiths from building rifles under the .22-250 handle, and they did so by the thousands.

Actually, the .22-250 was a cartridge that was bound to happen. It is nothing more than the old .250-3000 Savage necked down to .22 caliber and given a 28° shoulder. The .250 Savage, with its good reputation for accuracy and ease of loading, is also considerably under bore capacity for .25 caliber, hence a natural for necking down to a smaller caliber. The latest version of the necked-down .250 Savage, incidentally, is a marvelously accurate bench rest cartridge called the 6 mm International.

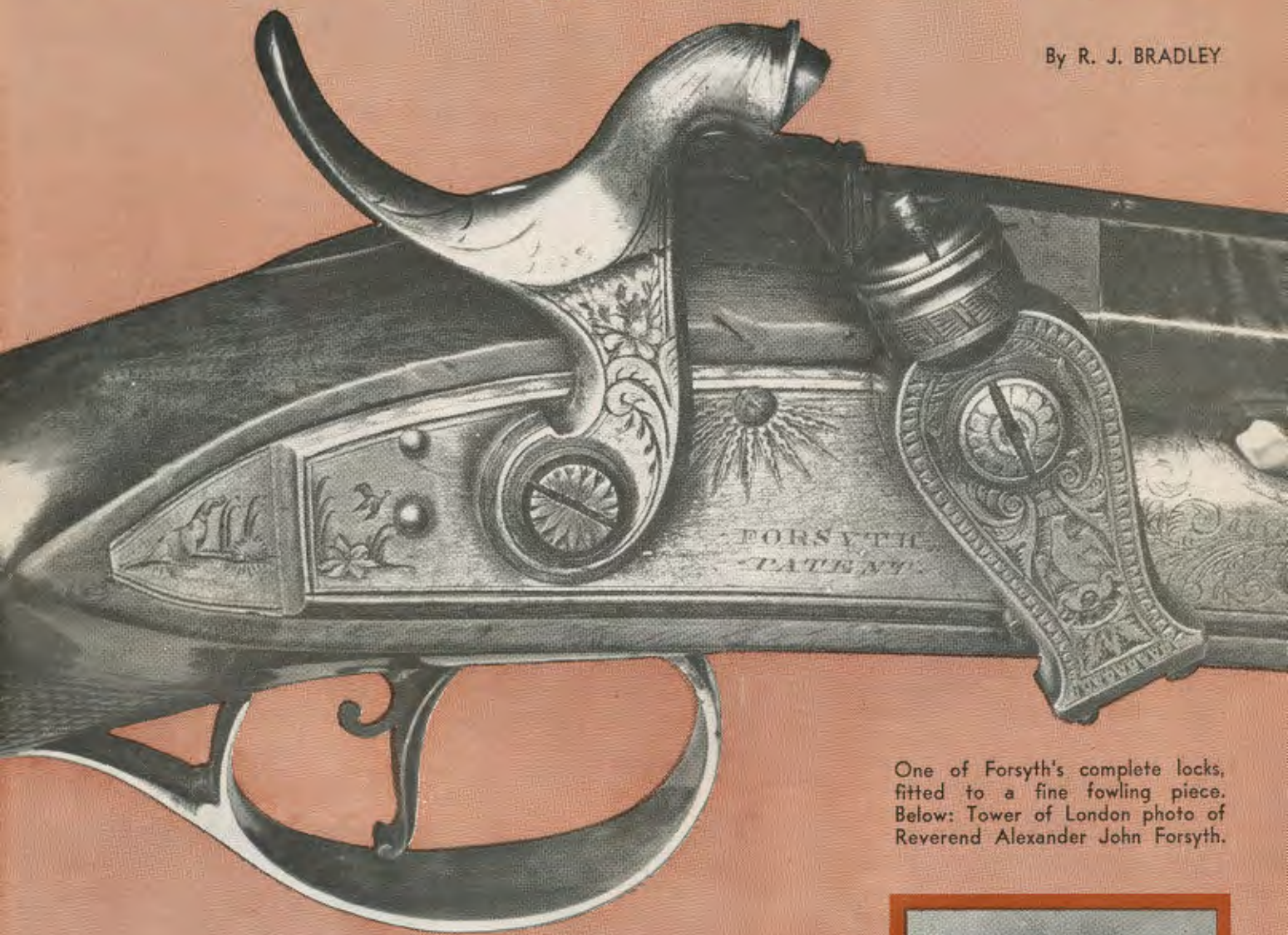
Forming .22-250 brass is simple—merely run a .250 Savage case through a full-length .22-250 sizing die and you're in business. For what it's worth, I usually anneal case necks after the first firing. The quality of recent lots of brass I have used leaves much to be desired.

Like the .250 (Continued on page 44)

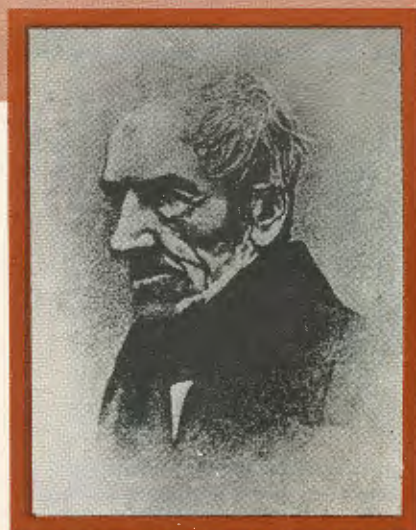


Father of Percussion

By R. J. BRADLEY

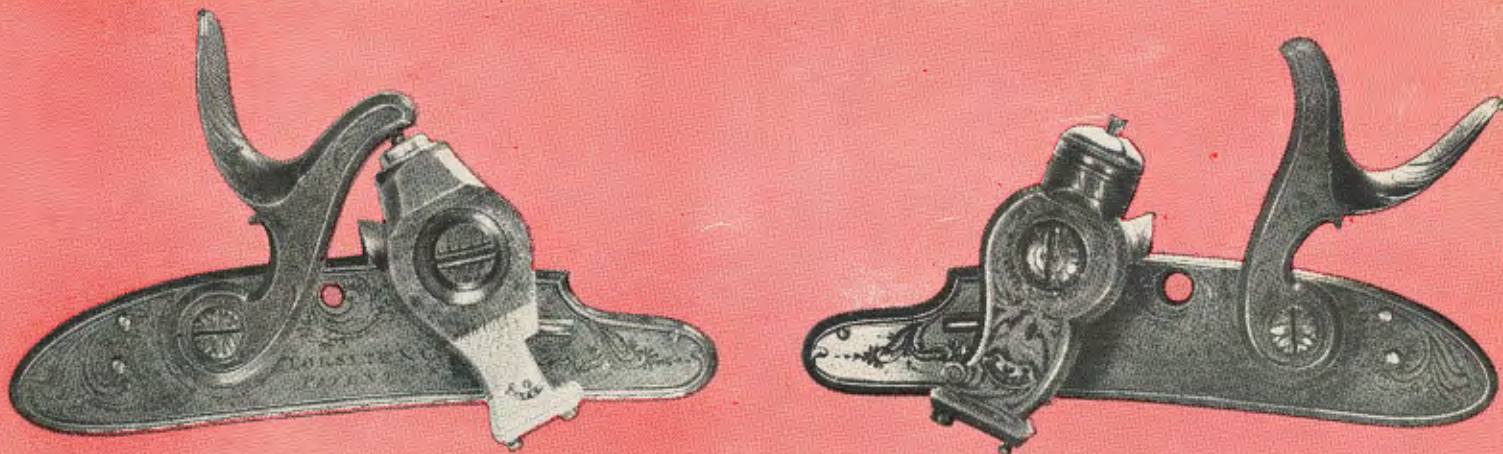


One of Forsyth's complete locks, fitted to a fine fowling piece. Below: Tower of London photo of Reverend Alexander John Forsyth.



IN THE SPRING OF 1806 a young Scottish presbyterian minister, the Rev. Alexander John Forsyth, M.A., LL.D., arrived in London with a fowling piece that was fitted with a detonating lock of his own design and manufacture—one of the greatest inventions in the field of firearms.

Though the record states he made the trip to London for the sole purpose of showing the gun to friends who were interested in shooting, it seems safe to assume that he had intentions of commercializing his invention and was seeking their advice on the matter. And it would appear that these friends had influential contacts, as the fowling piece was first shown to Sir Joseph Banks, who brought it to the attention of Lord Moira, Master General of



These two locks are from a double barrel sporting gun. "Scent-bottle" primer on right-hand lock (shown at left) does not match primer from left lock. It may be a replacement, since the right hand lock usually received more use.

Ordnance. Moira, realizing the importance of the invention, asked Forsyth to remain in London for a short time and carry out a series of experiments with the lock. These experiments proved successful, and Moira asked Forsyth to remain at the Tower of London and carry out further experiments, with a view to adapting the percussion principle to Ordnance Service. Although Forsyth was unwilling to leave his parochial duties, he finally agreed after Moira, on behalf of the Government, arranged for an ordained assistant to look after his parish in Scotland.

On July 30, 1806, Moira reported to the Board of Ordnance that, "The Reverend Forsyth had been employed in perfecting a secret invention, and that the first experiments of which had lead His Royal Highness the Commander in Chief and himself, to believe that it might become a matter of great importance to the Military Service."

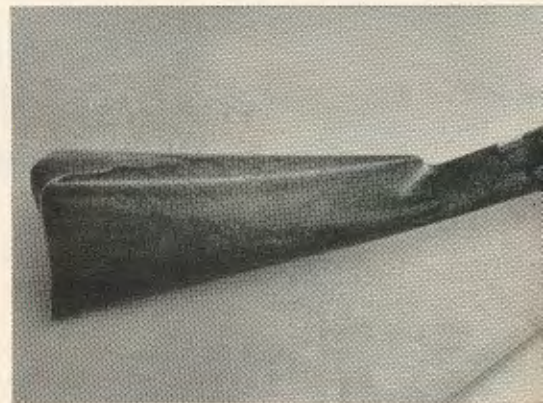
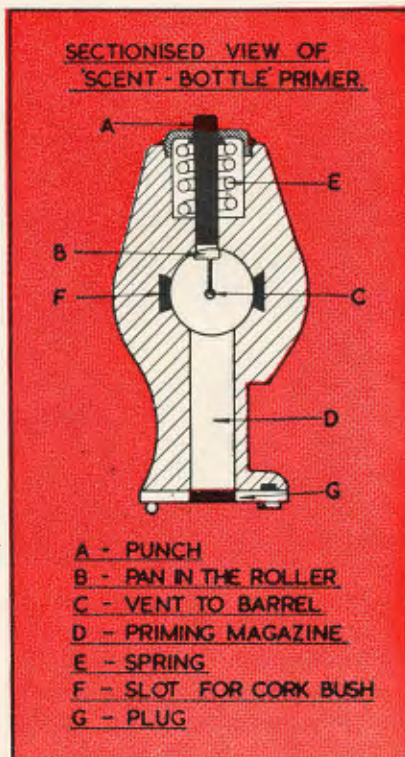
To enable Forsyth to continue his experiments, the Board agreed to an advance of £400, on the condition that it was to be deducted from the amount of remuneration that might ultimately be awarded him. The first £100 of this advance was paid on August 9, 1806.

Forsyth's task, carried out with the utmost secrecy, was to construct a lock on the percussion principle, that would instantly ignite the gunpowder in the chamber, be easy and safe to use, and keep the priming and powder charge dry. As the lock of his original fowling piece was found to be lacking in several desired qualities, the actual detonating part of the lock had to be completely re-designed.

In early Forsyth locks, a round plug (known as the "roller") which had a touch-hole bored through its center, was screwed into the barrel. On the top of this roller was a small cavity pan, $\frac{1}{8}$ " in diameter and approximately the same depth, connected to the touch-hole. Pivoted around the roller was the priming mechanism, similar in appearance to a "scent-bottle." The top portion contained a spring-loaded striker; the bottom half formed a magazine for the detonating powder.

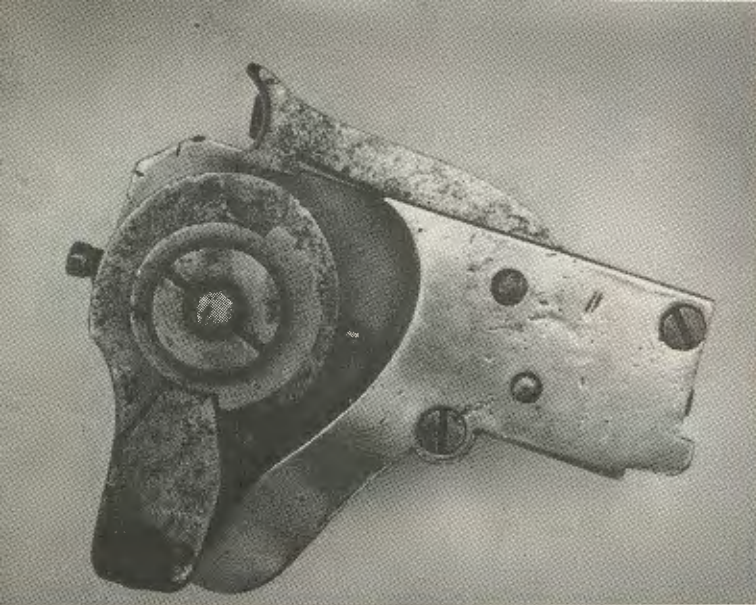
The lock's method of operation was as follows. With the hammer at half cock, the primer was turned to line up the priming magazine (which held enough detonating powder for 20 or more shots) with the pan in the roller, allowing a charge of powder to be deposited in the pan. The primer was then returned to its normal position, and the hammer placed at full-cock. On firing, the hammer forced the striker down into the pan, detonating the priming powder. The concentrated jet of flame passed through the touch-hole, and ignited the main charge in the barrel.

Perfecting a lock that would con-



Above: This silver mounted fowling piece was converted from flint to percussion, using a Forsyth lock.

Left: Forsyth's primer system was an improvement over the flint lock and paved the way for the cap lock.



While employed by the Government, Forsyth designed this lock for installation on a three-pounder cannon.

form with Moira's requirements proved to be a far more difficult task than Forsyth had first imagined, and considerable trouble was encountered from the beginning. The workmen detailed to assist with the experiments proved to be troublesome; they didn't understand the work, and were unable to make any parts for the lock unless supplied with patterns, which Forsyth had to make himself. In addition, experiments with the lock and detonating powder—the latter being of an extremely sensitive nature—were inclined to be dangerous, and the workmen were therefore apprehensive about the whole set-up. To make matters worse,

the chemists flatly refused to make the quantities of detonating powder necessary for the experiments, since frequent explosions had occurred, in which several men had been badly injured. Consequently, Forsyth was also saddled with the dangerous task of compounding the detonating powder, as well as supervising the construction of experimental primers.

Toward the end of 1806, it seems that either Forsyth had complained that he was not making much progress, due to the lack of cooperation from the workmen, or Moira may have enquired as to why Forsyth was not showing results. The Board wrote to Forsyth

on January 2, 1807, authorizing him to employ an "outside" workman, and to submit a quarterly bill for wages.

Until the lock and detonating powder were perfected, considerable trouble was experienced with the priming mechanisms exploding. There were two reasons for this somewhat disturbing phenomena; one being that at the moment of ignition, the flash travelled around the roller and ignited the contents of the priming magazine. The other was due to the fact that the type of detonating powder used at that time, could not always be made at the same strength. Consequently, locks and primers were (Continued on page 54)



A.D. 1807 N^o 3032.

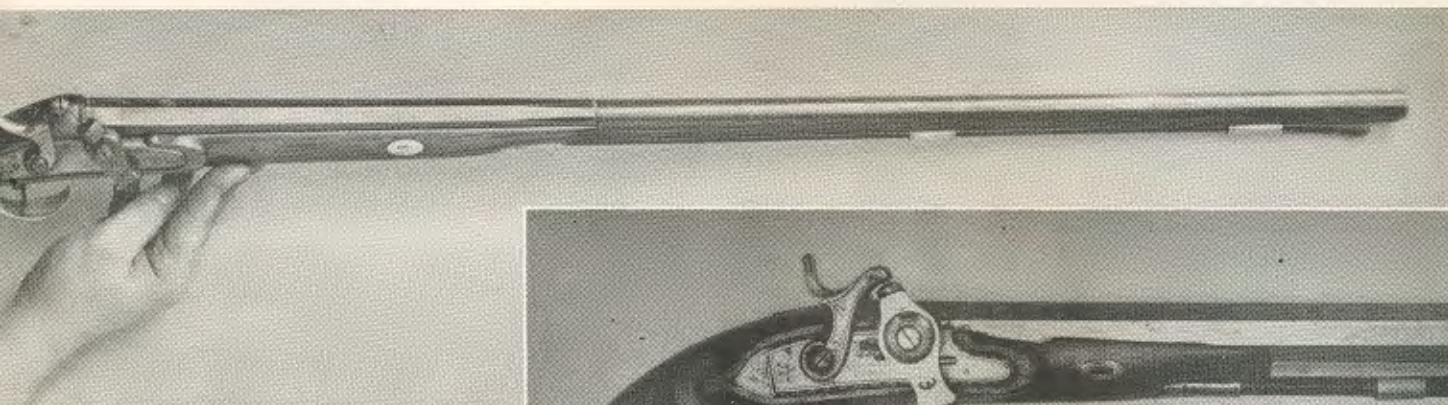
Apparatus for Discharging Artillery, &c. by Means of Detonating Compounds.

FORSYTH'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, ALEXANDER JOHN FORSYTH, Clerk, of Belhelvie, Aberdeenshire, in Scotland, send greeting.

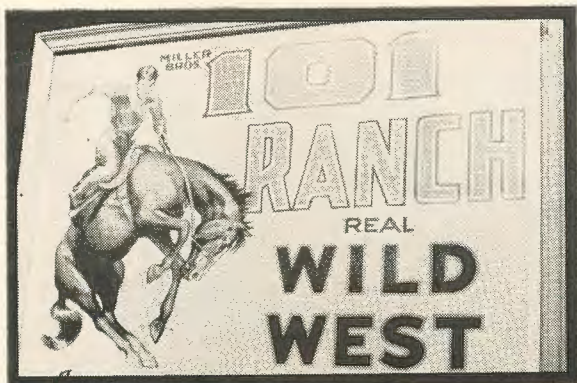
WHEREAS His present Majesty King George the Third, in and by His said Majesty's Patent, under the Great Seal of Great Britain,

Once in possession of his patent, Forsyth opened his own gun shop in London and began manufacturing locks.



Right: Duelling pistol with a Forsyth lock. Note adjusting screws on each side of primer.



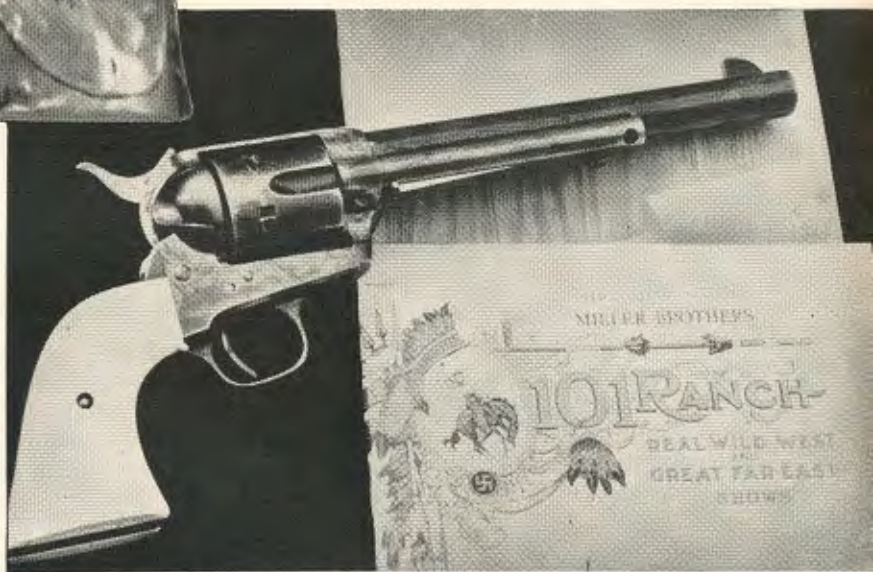


Colorful posters, like this one, preceded the coming of the 101.

GUNS OF THE 101 RANCH



Above: Col. Joe Miller's Colt. Below: Colt owned by the author, with a 1926 tour card.



By GEORGE VIRGINES



Col. Joe Miller, on his white stallion, admires the colorful outfit worn by marksman Tex Cooper.

AFTER "THE WINNING OF THE WEST," something new was added to the American scene with the birth of the Wild West Show, the predecessor of the Western movies, which in turn preceded our "adult" television Westerns. Names such as Buffalo Bill Cody, Pawnee Bill, and Colonel Cummins are synonymous with the many Wild West Shows that were to become part of our nation's popular entertainment.

The Miller Brother's 101 Ranch Real Wild West Show stands out as one of the last really big Western extravaganzas. From its inception in 1908 to 1932, their show over-shadowed even the famous Buffalo Bill Wild West Show. Bill Cody was a superb showman, but the Millers built a show second to none. They presented a myriad of wild west thrills. Frontier days, when the West was really wild and woolly—full of hard-riding, straight-shooting cowboys, and war



THESE FAMOUS GUNS RECALL THE FLAMBOYANT PAST OF A GREAT WILD WEST SHOW



This Colt Single Action, also owned by Col. Joe Miller, was used on the ranch and in the show. Below: This Winchester 92 in .44-40 saw use on the 101 Ranch.

Engraving on butt and backstrap of Colt Single Action revolver. A pair of these, in .45 caliber smoothbore, were ordered by Tex Cooper from Colt in May, 1913.



painted Indians—were strikingly depicted on the floor of the arena in a true-to-life fashion.

A covered wagon train was attacked by fierce looking Indians; the wagons burned; and the ever-present U.S. Cavalry dashed to the rescue. The old stage coach attacked by highwaymen; the capture of the horse thief; the Indian war dances; all of these wild and exciting acts, filled with plenty of shooting put the crowds on the edge of their seats.

The three men responsible for this outstanding show were the three Miller Brothers, Joseph C., Zack T., and George L. Their immense property in Ponca City, Oklahoma, the famous 101 Ranch, was the birthplace of their Wild West Show. It was an empire of cattle, farming, oil, and many other commodities, and got its name from the "101" branded on the left hip of every one of the thousands of horses and

cattle, and other equipment owned by the ranch.

Miller Brothers first attempt at a Wild West Show was in 1908. This show successfully toured the U.S., and then headed across the Atlantic. In 1914, when the world went to war, the 101 Ranch Show was entertaining in England. The British Government, in dire need of horses, confiscated all of their livestock, putting an end to the Miller's Wild West Show. Then, in the spring of 1925, the Miller Brother's 101 Ranch Show became a reality once again. Not only did they create a great Wild West Show, but added a Far East Division that brought circus elements into the arena.

The 101 Ranch Show had its share of spectacular exhibition shooters, each with a full repertoire of shooting stunts. After the turn of the century, many of the Wild West Shows folded their tents, and the 101 Ranch absorbed the best (*Continued on page 50*)

WORLD'S LARGEST COLLECTION OF AMERICA'S GREATEST SHOOTERS' BARGAINS

ORIGINAL CAL. .30-06 FN BELGIAN ARMY M50 "NATO" MAUSERS!

NRA VERY GOOD ONLY

POST WAR!



\$44.95!

Cal. .30-06

(See our special FN Hunting ammunition listed on facing page)

THE ONLY LOT EVER RELEASED! Yes, original, authentic Belgian Army M50 "NATO" Mausers in the greatest caliber of them all—.30-06. M98 Mausers specially produced by *Fabrique Nationale* during the 1950's for NATO use. All NRA VERY GOOD condition and priced at LESS than the cost of an FN Mauser action alone. Special hand selected only \$5.00 more. Some NRA GOOD at the fantastically low price of only \$39.95! The last—the final—the culmination of a half century of M98 Mauser refinements—the only Mauser manufactured specifically for NATO requirements and never subjected to combat use. ALL with ORIGINAL 24" barrel—ALL milled parts and ALL matching numbers, even including their select, genuine walnut stocks. Replete WITH Belgian crest and NOT to be confused with any PRE-War South American variety with RE-chambered barrels or those with DE-crested (for some reason) receivers which others may offer. The PERFECT rifle in its beautiful original condition and also IDEAL to sporterize—the WORLD'S favorite action in AMERICA'S favorite caliber! Original, like-new, leather slings only 50¢ each. This decade's finest bargain.

THE FIRST, LAST AND ONLY LOT OF THESE GENUINE ORIGINAL - MODERN PRODUCTION NATO RIFLES!!



WORLD RENOWNED U. S. SPRINGFIELDS!

Cal. .30-06



High numbers
ONLY
\$39.95!

The greatest of them all. The INCOMPARABLE Springfield in NRA VERY GOOD or better condition at the lowest price ever—for High Numbers, 100% U.S. Arsenal original with four grooved barrels—and genuine original forged receivers—NO castings—NO reject surplus parts assemblies to endanger your life and investment. Some HIGH NUMBERS WITH TARGET TYPE C STOCK only \$3.00 more. LOW NUMBERS a gigantic \$10.00 LESS. New Web Slings \$1.00. Always insist on a genuine, original Springfield!



LATEST U.S. MODEL 03A3 SPRINGFIELDS!

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ONLY
\$42.95!

Another incredible supply of the last of the best—the latest of the world renowned U. S. Springfields—the great 03A3 Model. All manufactured in the high number series only and with the receiver type rear sight. ALL NICKEL STEEL RECEIVERS! BEWARE of those offered elsewhere with "cast" receivers. (Incredible, but true.) ALL IN NRA GOOD or better condition. Special hand picked selection only \$5.00 more.



U. S. ARMY MODEL 1917!

Cal. .30-06



ONLY
\$29.95!

All milled parts—fresh from government cases. All NRA GOOD or better. A few Very Good only \$5.00 additional. Genuine new Web Slings \$1.00—used .50. The world's strongest bolt action! Order yours today. If you prefer Remington or Winchester manufacture, a limited number \$3 more.



ENFIELD P-14 RIFLES!

Cal. .303



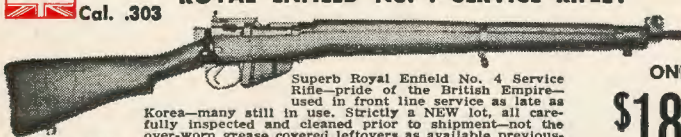
ONLY
\$19.95!

Seldom available, and then only in small lots. Now bulk purchased to make these available at the lowest price ever and in NRA GOOD and better condition. Order yours while supply lasts. The strongest bolt action ever made—perfect to convert to a magnum caliber—ask any gunsmith. Web slings NEW only \$1.00. Plenty of top grade .303 ammo.



ROYAL ENFIELD No. 4 SERVICE RIFLE!

Cal. .303

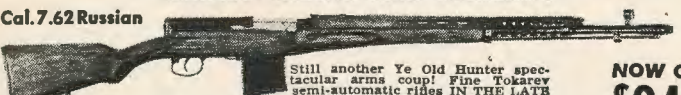


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Superb Royal Enfield No. 4 Service Rifle—pride of the British Empire—used in front line service as late as Korea—many still in use. Strictly a NEW lot, all carefully inspected and cleaned prior to shipment—not the over-worn grease covered leftovers as available previously. All in good or better condition and a few VERY GOOD only \$3.00 more. Prong Bayonets only \$1.00 when ordered with rifle. The very finest.

SEMI-AUTOMATIC M40 TOKAREVS!

Cal. 7.62 Russian



NOW ONLY
\$34.95!

Still another Ye Old Hunter spectacular arms coup! Fine Tokarev semi-automatic rifles IN THE LATE M40 MODEL, and at a price so LOW that even Nikita may order one! All good or much better (some very good select specimens only \$5.00 more) and complete with detachable magazine and two original take down tools. The lowest-priced high quality semi-auto ever! A prize Western purchase ready for your order.



MODEL 98 "ARCTIC" MAUSERS!

Cal. 8MM



ONLY
\$26.95!

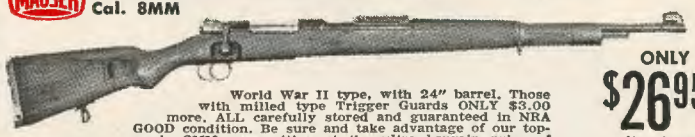
BACK AGAIN! ... The model that broke ALL sales records in 1960! SPECIAL MAUSER Mausers (World War II type) designed for "Arctic" use. Special over-sized trigger-guard for "fumble proof" speed with (or without) your favorite mittens. Standard 8MM caliber, 24 inch barrel, modern turned down bolt handle—all for only \$26.95 in NRA GOOD condition. Some NRA EXCELLENT only \$3.00 more!

NEW MAUSER LEATHER SLINGS \$1.95!



WORLD WAR II GERMAN MODEL 98K MAUSERS!

Cal. 8MM



ONLY
\$26.95!

World War II type, with 24" barrel. Those with milled type Trigger Guards ONLY \$3.00 more. ALL carefully stored and guaranteed in NRA GOOD condition. Be sure and take advantage of our top-grade 8MM ammunition at the ultra bargain price of only \$4.00 per 100 rounds. PAY FOR YOUR RIFLE WITH AMMUNITION.

New leather slings \$1.95.



MODEL 43 (M98) MAUSERS!

Cal. 8 MM



ONLY
\$34.95!

WW II M98K type. Manufactured in Spain AFTER WW II—some as late as the mid 50's. ALL with ALL milled parts. ALL with 24" barrel. ALL arsenal reconditioned, reblued and refinished. ALL complete with original cleaning rod and muzzle cover. ALL guaranteed NRA VERY GOOD to much better. 8 MM Ammunition only \$4.00 per 100 rounds!

Original bayonets only \$1.95!



PERSIAN MAUSER CARBINES!

Cal. 8MM



ONLY
\$34.95!

The great Persian Mauser Carbine! Every desirable Mauser feature wrapped up into one unit. All in good or better condition at only \$34.95. Bayonets with scabbards only \$1.95. Avoid bitter disappointment. Order this exceptional bargain today while they last!

WORLD-FAMOUS FRENCH DOUBLE-BARREL SHOTGUNS!

16-Gauge
(The Best for All-Around Use)



ONLY
\$59.95!

"There's nothing like a double"

IMPORTED FACTORY PRICE \$160.00

THE FINEST SHOTGUN BARGAIN EVER TO REACH THE AMERICAN MARKET! Superb, CUSTOM-CRAFTED double-barrel shotguns in the ever-popular 16-gauge. A QUALITY double is almost impossible to locate at ANY price—but here they are: NRA GOOD, only \$59.95—Extra-select VERY GOOD at only \$10.00 more. Order yours today!

- Classic Continental-English Design.
- Manufactured by world-renowned French craftsmen

- Select Checkered French Walnut Stocks.
- 16-gauge—standard 2 3/4" chamber
- 27" barrels—modified and full choke.
- "Airweight." Only 6 1/2 lbs.
- Super-strength box-lock with triple locking system.
- Easy-opening "velvet" action.
- Barrels AND receiver forged from nickel-chrome steel.
- Matted rib with brass bead front sight.
- All officially tested and proofed.

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 COD's. Regret we are unable to accept any "All Heart" Sale order less than \$5.00 "Money's

Worth or Money Back" Guarantee when goods are returned prepaid within two days after receipt. Ye Old Hunter will not answer acrimonious letters. Send them elsewhere. Sales limited to continental United States! Special sale prices, above, are good for month of publication only!

REGISTERED DEALERS. Write on your official business letterhead for new sensational discount lists. Visit HUNTERS LODGE during weekdays for greatest Dealer bargains EVER. Also many choice unadvertised items at special low prices! (All above photos unretouched)



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ALL HAND GUN PURCHASES MUST CONFORM TO REQUIREMENTS OF THE FEDERAL FIREARMS ACT. STATEMENT WILL BE FORWARDED FOR SIGNATURE PRIOR TO SHIPMENT ON SALES TO OTHER THAN LICENSED DEALERS. WE REQUIRE YOUR CITY OR STATE PERMIT WHEREVER APPLICABLE.

German Pistol Model '08

Cal. 9MM Parabellum

THE "WORLD'S GREATEST PISTOL!" THE ONE PISTOL IN THE WORLD THAT NEEDS NO INTRODUCTION. The famous creation of the world renowned Georg Luger. Officially designated by the manufacturer as "Pistole Parabellum Model '08"—the year it was originally adopted by the German Army. Completely serviceable in NRA GOOD condition only \$39.95. Plenty of superb non-corrosive, boxer primed 9MM Parabellum Ammunition in stock only \$4.00 per 100 rounds! Some custom commercially rebued with "like new" grips and NRA GOOD barrels only \$49.95—some arsenal refinished with like new grips and BRAND NEW barrels only \$59.95!

Each pistol attractively boxed.

RARE ORIGINAL ACCESSORIES!

Brown Leather Deluxe Holsters w/extra Magazine Pocket 4.95!

ONLY
\$39.95!



WALTHER

P-38 PISTOLS!

Cal. 9MM Parabellum

NRA good plus condition Walther P-38 pistols at an unbelievably low \$34.95—today, the official side arm of German NATO Forces. Adopted by the German Army in 1938 to replace the German Pistol Model '08. Fires single and double action. Some NRA Very Good only \$5 more! 9mm Parabellum, boxer primed, non-corrosive ammunition at a bargain \$4 per hundred rounds. Each pistol attractively boxed. Original Black Nazi last-issue "quick draw type" leather holsters only \$3.95 extra! Some BRAND NEW only \$6.95! Extra magazines only \$4.95.

COLLECTORS!! MAUSER P-38's made after WW II ended!
WALTHER P-38 SVW 45 CODE with rust-proof finish and matching numbers ONLY \$55.00. Same with blue finish \$10.00 more.
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ONLY
\$34.95!



ASTRA MODEL 3000!

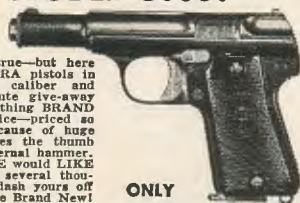
BRAND NEW!

Cal. .380 ACP

Most too good to be true—but here are—Model 3000 ASTRA pistols in extra popular .380 caliber and BRAND NEW. An absolute giveaway you who demand something BRAND NEW at a "surplus" price—priced so low only because of huge surplus shipment. Features the thumb grip safety, plus internal hammer, pistol that EVERYONE would LIKE own but only the first several thousand orders accepted—so dash yours off now. Remember, these are Brand New!

FREE: EXTRA MAGAZINE

ONLY
\$34.95!



STAR MODEL B!

BRAND NEW!

Cal. 9 MM Parabellum

Complete with NEW leather holster and NEW extra magazine and cleaning rod. One of the latest commercial STAR designs in the popular, readily available, 9MM Parabellum (Luger) caliber. Time-tested Browning design, easy operation, eight-shot magazine, commercial blue finish, case hardened hammer, genuine checkered grips and individually packed.

FREE!

- New Leather Holster with Magazine Pocket!
- New Extra Magazine!
- New Cleaning Rod!

ONLY
\$44.95!



RARE MODEL 1940 LAHTI!

Cal. 9MM Parabellum

Original Model 40 LAHTI Pistols—designed by the famous Finnish weapon designer Arvo Lahti and manufactured by the great Swedish Arms Factory, HUSQVARNA. Monogram of the beautiful Swedish emblem embossed in grip. ALL NRA VERY GOOD and ALL accessories listed below included FREE. Some NRA EXCELLENT only \$10.00 more. 9MM Parabellum ammo only \$4.00 per 100.

FREE ORIGINAL ACCESSORIES!
Extra Magazine — Taken down Tool — Cleaning Rod — Official Swedish Army Holster.

ONLY
\$59.95!



MAUSER HSc AUTOMATIC!

Cal. .32 ACP

Very latest, improved genuine MAUSER .32 ACP Automatic. Manufactured as late as World War II by the great Mauser Works at Oberndorf. The most modern of the entire Mauser line with single and double action operation and ultra modern design, guaranteed with Excellent finish and fine deep blue finish. Shapes your very last chance for the best of your time. All pistols NRA VERY GOOD or Better condition. Extra magazines only \$3.95 each.

NOW ONLY
\$29.95!



MAUSER .32 AUTOMATIC!

Cal. .32 ACP

Superb pistol craftsmanship by the famed Mauser Works at Oberndorf. Produced during the great weapon period prior to World War I and during the 20's and early 30's. Genuine Mauser .32 Automatic pistols ALL with the MAUSER banner and featuring the speedy thumb safety release. All NRA Good or Better. COLLECTORS—Some with the rare Nazi eagle and swastika markings only \$10.00 more. NRA GOOD or Better.

ONLY
\$29.95!



BROWNING .32 AUTO!

Cal. .32 ACP

The superb, unequalled Browning .32 Automatic is the latest (M22) model—mfg. by Fabrique Nationale d'Armes de Guerre, Liege, Belgium. BROWNING the greatest name in automatic pistols—design and production excellence at its best! All in the popular .32 Auto caliber and in very good condition at only \$26.95. Some excellent \$3.00 additional. Has the improved extra capacity 9 round magazine. Inside only \$2.00 more—make yours a BROWNING! (Extra magazines \$2.95, cleaning rods \$5.00.) Order yours now!

ONLY
\$26.95!



M.A.B. MODEL GZ AUTOMATIC!

Cal. .32 ACP

Superb NEW French production M.A.B. Model GZ. Caliber automatic pistol. Latest, modern design combined with proven dependability makes this the most attractive dollar for dollar pocket pistol on the market today. Lightweight, fast-handling and accurate. Factory complete with cleaning rod and official French registration certificate included.

ONLY
\$34.95!



M.A.B. MODEL D!

Cal. .32 ACP

NRA EXCELLENT

A premium pistol of truly modern style and design. Clean, post-war lines with handy thumb safety and proven construction at a price unbelievably low—Some NRA Good Condition only \$22.95. The dollar for dollar bargain of the day that will never again be matched. Features both thumb & grip safety. Full nine round magazine capacity. Order now!

ONLY
\$24.95!

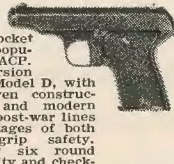


M.A.B. MODEL C!

Cal. .32 ACP

The ideal pocket pistol in the popular caliber .32 ACP. A compact version of the M.A.B. Model D, with the same proven construction features and modern design. Clean, post-war lines and the advantages of both thumb and grip safety. Weight saving six round magazine capacity and checkered plastic grips. All in NRA VERY GOOD Condition. Match this with the Model D for an unbeatable combination. Don't miss this one—limited supply on hand.

ONLY
\$22.95!



UNIQUE .32 AUTO!

Cal. .32 ACP

Featuring a large nine shot magazine, this potent little pistol was made to exacting standards for use by the Germans and for commercial consumption. A lever type safety is placed convenient to the thumb. Complete with high impact plastic grips, this pistol is offered in NRA good or better condition for only \$19.95. Extra magazines only \$2.25. A special buy!

ONLY
\$19.95!



RUBY .32 AUTO!

Cal. .32 ACP

This sturdy model Ruby has a lasting reputation as being one of the best automatic pistols ever produced on the Iberian peninsula. All have a positive thumb lever safety and long grip which houses the extra large capacity nine shot magazine. Offered in NRA good condition at only \$17.95. Extra magazines only \$1.95. A bargain!

ONLY
\$17.95!



AMMUNITION SPECIALS!!!

Minimum order (except Soft Point) 100 rounds. All prices below (except Soft Point) per 100 rounds. Shipped RR. Express. Shipping Charges Collect.

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7.62 Tokarev (Pistol) (M.C.)	\$5.00
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7.65 Mannlicher Pistol (M.C.)	\$4.00
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.303 British Military (M.C.)	\$ 6.00
8MM German Mauser Issue	\$ 4.00
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20MM Lahti A.P. (10 rds.)	\$ 9.95
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6.5 Italian Soft Point (20 rds.)	\$3.50
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7MM Mauser Soft Point (20 rds.)	\$3.50
7.5 Swiss Soft Point (20 rds.)	\$5.00
7.62 Russian Soft Point (30 rds.)	\$4.50
7.65 Mauser Soft Point (20 rds.)	\$3.50
.30-40 Krag soft point (20 rds.)	\$3.50
.308 Win. Soft Point (20 rds.)	\$3.50
.303 British Soft Point (30 rds.)	\$4.50
8MM Mauser Soft Point (40 rds.)	\$6.00
8x50R Mannlicher (20 rds.)	\$4.50

New production KYNOCH 9 X 57 MAUSER Soft Point ammo (245 Gr.) ONLY \$3.50 per 20 Rds. (Almost half-price)

EXTRA SPECIAL!



First shipment just in! The Choice of Champions—A continuous record of Olympic Medals—Superb, NEW production LAPUA .22 Long Rifle ammunition. The world's FINEST at the greatest price saving EVER. Custom made—custom boxed and only.....\$6.50 per carton of 500 International Match Grade at only.....\$7.50 per carton of 500

Minimum order—Carton 500 rounds.

SPECIAL!

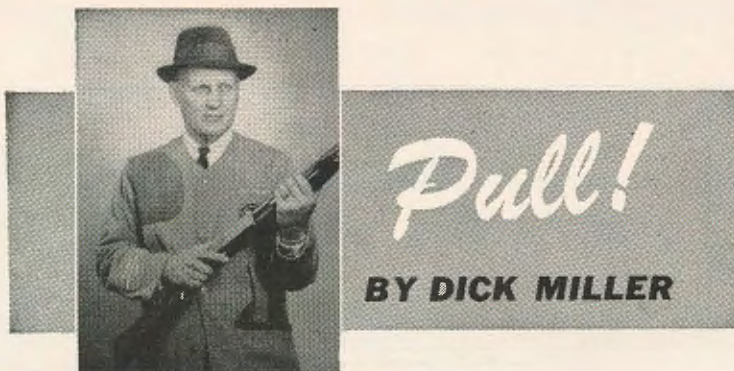


NEW INTERARMCO F.N. produced soft point ammunition. The hunting ammunition price barrier BROKEN AT LAST! NEW production—150 grain expanding bullet—non-corrosive, non-mercuric boxer primed—extra strength shoulder annealing. Special KATANGA KOPPER for EXTRA long use. Caliber .30-06150 grain.....\$3.90—box of 20 Caliber .303 British150 grain.....\$3.90—box of 20

MEMBER OF **Interarmco**
"WORLD LEADER IN ARMAMENTS"
AFFILIATED WITH
CUMMINGS INTERNATIONAL ASSOCIATES

HUNTERS LODGE

Dept. G-2
200 S. UNION ST.,
ALEXANDRIA 13, VA.



ONE OF THE proudest trapshooters in the game today is Jim Bourgeois, of Jackson, Mississippi. Jim is shooting good scores this year, but that's not what makes him a proud man. His real source of joy is the fine shooting of wife Sara, who is burning up the traps down in Magnolia country.

Sara was high lady in both singles and handicap events at the Louisiana state shoot, won all the ladies' events in the Mississippi tournament. She tied for runner-up in the Mississippi open singles, but lost the shoot-off. She was not to be denied, however, in the handicap event, and won the shoot-off, for a big day, week, and season (with more to come).

• • •

Another one of those man-bites-dog stories from the world of trap comes from the Atlantic City Gun Club. The club recently held a testimonial shoot, honoring Dr. J. Winfield Conover, Jr. Winner of the shoot—Dr. J. Winfield Conover, III, son of the honoree, with a score of 99x100. Joe Messina was runner-up, one target off the pace. Paul Holloway won an event at Pite Belt Club, Indian Mills, New Jersey, on the same date, also with a 99 in the singles program. Bobby Pagliughi of Vineland took the doubles crown, and handicap laurels went to Loren Moore, from the 22 yard stripe. Another 99 was good on that date, taking home the trophy for W. E. Cox of Wilmington, shooting in a WTA event at Glasgow, Delaware.

• • •

Over in Hoosier land, 111 shooters fired at more than 32,000 targets in one of the maiden events of the fine new Evansville Gun Club. Roger Cornell of Elberfeld topped the first 16 yard race with 99 breaks. Donald Lloyd of Hatfield prevailed in the second 16 yard century also with only one lost target.

W. W. (Sonny) Hines, from Carmi, Illinois, shot out competition in the third 16 yard event, with 100 straight, took high-over-all for he 300 targets with 295x300.

Host and prime mover Edgar Kuhlen-schmidt prevailed in the doubles race, with a fine 99x100 for the fifty pairs. Marlin Silke from Evansville won the first stanza of the handicap program with 95x100, and 99x100 won the second running for Carlos Hendricks of Madisonville, Kentucky. Frank Weatherholt from Hatfield bested George Wallace from Marshall, Illinois, in a special 50 target handicap event, in a shoot-off after both had gone 49x50. Bill Larrance took junior honors for the program with 95x100.

One of my former shooting buddies, Dr. C. A. Laubscher, of Evansville, Indiana, also a former NSSA Director, broke 200 straight to win the Indiana State singles championship. Doc had had a six-year drought in which he had not broken 100 straight, but as I recall, Doc has always been tough when the chips were down. As this is written, we do not have other results from the Hoosier tournament.

W. B. Stock, of York, Pennsylvania, turned in a perfect string to win the 28th Clark Invitational skeet shoot. Stock topped Harry Hewitt of Roanoke, Jack King of Greensboro, N. C., and Dr. O. M. Harper of Clendenin, West Virginia, in three extra frames, after all had gone straight in the all-bore program, at Hot Springs, Virginia.

• • •

Trapshooters at the West Chester Gun Club in Pennsylvania by now must have more respect for the Army's marksmanship programs. They were recently surprised when a local boy on leave came out to the club (Tom Darlington) and fired a 99x100 to win the monthly club tournament, over 79 entries. Stanley Gouge, also of West Chester, was runner-up.

• • •

The New Castle County quintet clinched the well-known Penn-Del Twilight League Trapshooting title in the eleventh of the dozen tournaments. Delaware County won the next to last program with 495x500 targets, but New Castle County's second place 491x500 scored enough points to insure the victory and appropriate celebration at the annual banquet that will end and highlight the season for this fine shooting league.

• • •

Pull! is pleased to pass on from "Skeet Shooting Review" the good news that the National Skeet Shooting Association enrolled 1,001 new members in the period from March 11 to May 11. This is good news for the clay target sports, and for shooting fans in general. As I have often stated, if you are not now enjoying all the fun of either skeet or trap, now is the time to get aboard the band wagon. Shooting is fun, for everyone, and never in its centuries-old history has the game offered so much to sportsmen and sportswomen.

• • •

One of the finest and most hospitable shooting clubs in the country is the Knoxville, Tennessee, Gun Club. At the Knoxville club's 18th Annual Smoky Mountain Shoot, Hallie Corya won the Horace Steadman

Trophy, for his high total on Saturday's twin handicap events. He won one of the centuries with 97 from 21 yards. Rev. Walter DeWeese took the preliminary 100 with 98 from 21 yards.

Watt Irwin, from Spartanburg, S. C., was the big noise in the 18th annual Smoky Mountain. He won the Dogwood Handicap with 95 from 21 yards, the All-Around with 562x600, and High-Over-All with 851x900. Paul Harter pulled one of those trapshooting specialties, by missing his first target, then running 199 straight for a singles win. In the same program, Dick Morrison missed his last target to lose a 100 straight, which is why we say again that the Knoxville club's 18th annual big program had a little of everything.

• • •

Tom Jones and Jim King were the biggest noises in the record 1964 Alabama State trapshooting tournament, which goes to prove that skeet and trap do mix, despite some pronouncements to the contrary. Those names may not sound familiar to trap fans, but they have a familiar ring to Alabama skeet gunners.

King won the ATA All-Around trophy with 370 of the 400 targets. Walter Darra-cott, a visiting shooter from California, took the open all-around award with 366x400. Jones picked up the Class B 16 yard trophy, and state handicap title, with 96 from 20 yards for his claim to Alabama fame. Little Janie Strickland, who also shoots a good skeet score, won junior 16 yard honors on Friday and led the Ladies in handicap firing on Sunday.

A junior from Nashville, Tennessee, who is going to be heard from more and more, took the open doubles race, with 90 breaks. Mark the name of Steve Williams in your book. Jim King got one leg on his high-all-around trophy, by besting Nick Sanrantos on a shoot-off for the doubles trophy. Dan Watkins gave Jim King one of his few setbacks when he fired a perfect 25 in a shoot-off after Saturday's 16 yard program, while King was losing two birds. Louise Taylor was high lady in Saturday's 16 yard championship events.

Ben McCrackin won Class A on preliminary day, with Class B going to Jim King, and the C trophy to another skeeter, Louis Cole. State class winners were King, Class A, E. J. Moore, Class B, and Roy Duncan, Jr. Class C.

• • •

In other Alabama shooting news, this time on the skeet side of the ledger, R. D. Rabon, Jr., from the Magic City of Birmingham topped 48 gunners in an open event at the Morgan County Gun Club, at Decatur, after a shoot-off with Sgt. Bill Ott, over from Fort Campbell in near-by Kentucky. Albertville's Don Smith took the junior trophy, and John Brown III from Birmingham was high sub-junior. The visiting Nashville Gun Club quints—Jim Cates, Owen Frisby, Harold Paynes, Lowell Hill, and John Cain III—topped the team from the new and active Tri-Cities Gun Club, drawing shooters from the Tri-City area of Florence, Tuscumbia, and Sheffield, as well as Muscle Shoals City. Juan Agee from the host club bested Birmingham's Tom Jones in an extra round for the 20 gauge trophy.



YOU'RE SURE OF YOUR TROPHY

...with the long range power of the Savage 99 in new .284 caliber

To get the jump on a mulie... a white-tail or a pronghorn, carry a Savage 99, now made in powerful .284 Win. caliber. The .284 gives you the smashing power of the .30-06 in a short cartridge made to order for the fast, short-throw lever action of the famous Savage 99.

The 99's perfect balance and light weight make it a cinch to shoulder, aim and fire. The trigger pull is crisp and clean. The top tang safety is quick and handy. The action's as fast as any hunter needs—five shots as fast as you can aim. The handsome 99-DL has a Monte Carlo stock with checkered pistol grip and fore-end. Aluminum butt plate, gold-plated trigger, sling swivels.

America's foremost lever action big game rifle, the Savage 99 is fast-swinging and hard-hitting. And in the new .284 Win. caliber, it packs even more punch. 99-DL (shown) **\$139.50**; 99-F, \$132.50; both in .243, .284, .300, .308, and .358 calibers with 22" barrel. 99-E, only \$104.50; is chambered for .243, .300, and .308 with 20" barrel. Sold only by retail sporting arms dealers.

Savage
3X-8X Scope
Model 3833
\$64.50

FREE Full-color, 40-page catalog of Savage firearms and accessories. Write: Savage Arms, Westfield 173, Mass. Prices subject to change. Slightly higher in Canada.



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EXPERIENCED RIFLEMEN
KNOW NOSLER PARTITION
BULLETS EXPAND WITHOUT
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ASK THE HUNTER WHO USED ONE

- Soft Point for RELIABLE Expansion
- Thin forward jacket for FAST Expansion
- LONG wound channel
- ASSURES MAXIMUM ACCURACY

243, 25, 264, 270, 280 Rem.
7 MM, 30, 338 and 375 Cals.

Also Available in loaded ammunition. Ask
your dealer for Norma-Nosler.

Front and rear leads joined by .055 hole.

NOSLER
PARTITION BULLET CO., INC.
BEND, OREGON

ANTELOPE BALLISTICS

(Continued from page 31)

at a stepped up velocity, we can depend on it to give us killing penetration.

In pronghorn hunting, no more lamentable mistake can be made than to choose an inadequate load. Inadequate not so much in response to caliber, but rather poor bullet selection.

Sectional density and ballistic coefficient are critical. If due consideration is given to these attributes, retained velocities and energies will take care of themselves. Often a bullet performs satisfactorily at 100-200 yards, but lacks performance at twice these distances. Besides sd and bc, we must also consider bullet design. Sometimes a slug's jacket, intended to open up at 100-200 yards while the bullet has a good head of steam, cannot mushroom in the soft tissue and light bones of a pronghorn at 400 yards since the bullet lost too much of its velocity.

Last pronghorn season, I watched a hunter fire 18 shots at a pronghorn buck. The range varied from 200 to 350 yards. The buck was not touched, wasn't even alarmed. The fusilade continued to the last cartridge. It was one of the poorest exhibitions of rifle pointing I have ever witnessed I talked to this man, found that he had a borrowed .280 auto loader—a good gun in a good caliber—but he had never bothered to sight it in!

When rifle and load fail on pronghorn, look at the man. No gun is any better than the hombre behind it. Of the antelope hunters I know, only a tiny minority are really in shooting form when the season starts. For these hunters who are skilful

enough to hit the diminutive pronghorn, what rifles seem to perform best? What guns, calibers, and loads possess those attributes which experience has taught us are best?

Cartridges from .24 caliber to .28 caliber are best. There are a number of these. The bullet should weigh not less than 100 grains and not more than 145 grains. Muzzle velocity



should not be less than 2900 fps, and retained speed at 300 yards should not be less than 1800 fps. Energies at 300-400 yards should not be below 1000 ft./lbs. The sectional density should not be less than .240, the bc must stay above .290.

The pronghorn hunter must bear in mind at-the-target velocities and energies, as well as ballistic bullet requirements when he selects his rifle and ammunition. If he does he may be assured that his rifle and cartridge team will be the best he can assemble.

IDEAL PRONGHORN CARTRIDGES

Cartridge	Bullet wt. gr.	SD	BC
.243	100	.254	.395
6 mm Rem.	100	.254	.395
.257 Weatherby Mag.	120	.258	.423
.264 Win. Mag.	140	.289	.482
.270 Weatherby Mag.	130	.241	.395
7 mm Weatherby Mag.	145	.257	.425
7 mm Rem. Mag.	145	.257	.425
.284 Win.	145	.257	.425

The .243 factory load with the 100 gr. bullet turns up 3070 fps MV and at 300 yards is still whipping along at 2300 fps. Muzzle energy is 2100 ft./lbs. and at 300 yards energy is 1175 ft./lbs. The load is improved by the switch to the Speer 105 gr. bullet. With 40 grains of 4350, it will hit 3170 fps MV from a 24 inch barrel. At 200 yards this load has shed something less than 500 fps, is notable for flatness out to maximum pronghorn yardages.

The 6 mm Remington, formerly the .244 but now a refurbished round with a 100 gr. bullet is an even better performer on antelope.

MUSKETEER
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Not only does the 6 mm Remington start its 100 gr. slug faster than the .243—at a smoking hot 3200 fps—but it manages to hang onto these hyper speeds 'way out there! Remaining velocity at 300 yards is 2420 fps and energy correspondingly high, a hefty 1300 ft./lbs.

The .257 Weatherby Magnum with the 100 gr. factory load indicates a 3555 fps MV and an energy of 2800 ft./lbs. At 300 yards, velocity is around 2500 fps, and energies below 1400 ft./lbs. Reloaded with the excellent 115 gr. Nosler or the 120 gr. Speer bullet, this cartridge is one of the flattest shooting in the book. With 67 grains of 4831 and the 120 gr. Speer bullet, MV is 3340 fps from a 24" barrel. Because of the excellent sectional density and the ballistic coefficient, this bullet sheds velocity very grudgingly, wings out to 300-400 yard ranges with probably twice the oomph needed to lay the pronghorn low.

The .264 Winchester Magnum is another good plains caliber. The ungainly 26 inch barrel, needed to get full power from the factory load, sends the 140 gr. slug out at 3200 fps MV. Shorten the tube to a handier 24 inches, and you reduce the potency of the rifle to that of the .270 Winchester which still has plenty of remaining energy to take care of the diminutive target. My own Sako Forester .264 Magnum has been whittled back to 23½"; I find it an impressive performer.

For the .270 Weatherby Magnum, the 130 gr. factory load is best. It zips along at 3375 fps MV, at 300 yards is still going 2480 fps. Muzzle energy is 3280 ft./lbs., at 300 yards has fallen off to 1775 ft./lbs. Loaded with the 130 gr. Nosler bullet and using 74 gr. of 4831, it will turn up 3450 fps MV. Retained velocity at 200 yards is still an impressive 2925 fps. This, for my money, is the best of all the antelope loadings. If I had to make do with only one rifle the rest of my days for my pronghorn gunning, this would be my unhesitating choice!

The 7 mm Remington Magnum, when loaded with the Speer 145 gr. bullet and 73 grains of 4831, will rev up 3340 fps MV. The 7 mm Weatherby Magnum will do just as much, and out of a slightly shorter case. Both are absolutely superb antelope killers.

Winchester's .284, is available in the Model 88 lever action and the M100 autoloader. Ballistics generally duplicate the performance of the .270 and also those of the somewhat newer .280. These are useable performance figures, but in my book they don't approach our topflight antelope calibers.

The antelope rifle must shoot into not more than two minutes of angle out to the 300-400 yard ranges. Few sporting rifles will shoot into a minute of angle at 200 yards, much less at twice this distance. A minute of angle at 400 yards is four inches, and twice that is all we can afford our shots to stray and expect to keep them on that 10" x 14" lethal area.

The antelope rifle should be a bolt-action gun with an adjustable trigger. Barrel can be 24 inches long if it is going to be used as all-purpose gun. If the rifle is going to be used exclusively on pronghorns it might be lengthened to 26 inches. The 24" barrel should be fairly stiff.

My favorite pronghorn rifles, a .280 converted to 7 mm Remington Magnum, a Winchester Magnum Sako Forester, in .264 and

more lately a .270 Weatherby Magnum, have all gone to Reinhart Fajen. An ardent pronghorn huntsman, he knows what is needed to shape up a proper stock for the plains rifle.

His stocks are notable for the high, full Monte Carlo cheek pieces and stock length that allows the bolt to be operated smoothly and quickly. The Fajen fore-ends are hand filling, bedding is excellent.

The antelope rifle needs no iron sights, and the scope should be a vari-power one. The Buehler bridge-type mounts provide a sturdy support which contributes materially to that extra accuracy edge we need out there at the maximum yardages. Redfield and Browning also offer bridge mounts.

Sight in for 250-275 yards. You shoot prongies way out there, and more times than not, you'll be forced to shoot a good 100 yards beyond your sight setting. With the cartridges mentioned and with a 250-275 yard zero, you need hold over no higher than the top line of the back to see your bullet plop right into the boiler room.

Aim on him, out to 275 yards, for the shoulder. The pronghorn drops to this shot as if poleaxed. At ranges beyond, place the slug into his lungs. He will sometimes run as far as 200 yards with a lung shot, but he never escapes. It is sure-fire, the mark is larger, and while the dangers of the bullet not upsetting as completely are certainly to be considered at these distances, the target is a devilish small one and it is the better part of good judgment to place the bullet into him forward of the diaphragm rather than try to get fancy and hit in the shoulder with its possibility of plopping the bullet just under the neck and thus lose the prize.

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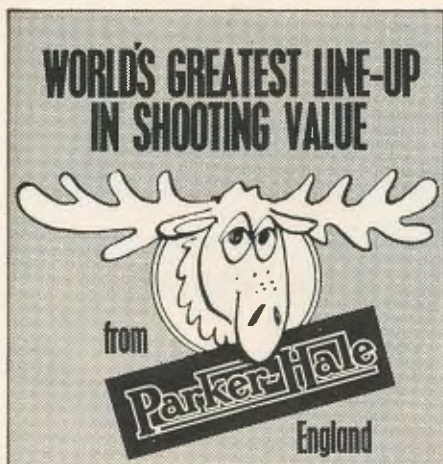


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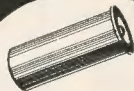
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THE .22-250 MAKES A COMEBACK

(Continued from page 32)

Savage, the .22-250 works well with a wide variety of powders and loads, and 3031, 4895, 4064, 4320, H380, 4350, and even 4831 have all been used with good results. In my opinion, 4350 and 4831 burn too slow for the .22-250 case, however, my shooting pal, Roy Huss, has used 39 to 40 gr. of 4831, and the 63 gr. Sisk bullet, with excellent accuracy and seemingly high velocity.

DuPont's 4320 has always been considered the classic .22-250 powder, but my results with it have been rather mediocre. For me, 4064 seems to be more stable burning and accurate, and has a noticeably milder report when loaded to exactly the same velocity level as 4320.

My favorite load for the .22-250 is 35.5 to 36.0 gr. of 4064 behind the 55 gr. Sierra spitzer bullet, giving a muzzle velocity a bit over 3700 fps. Pressures appear to be mild. Huss has a batch of Western cases, fired with this combination over 30 times, and brass is still useable! It is also an accurate load; I have had many 1/2" to 3/4" 5 shot groups at 100 yards with my nine pound rifle. Trajectory is flat enough for most purposes; I sight in to put the bullet 1 1/2" high at 100 yards. I once knocked a crow off a fence post at 325 long paces by putting the crosswires just over the top of his back.

It is possible to get some really stratospheric velocities out of the .22-250 with light bullets and stiff loads. The Belding & Mull loading manual lists a muzzle velocity of 4400 fps with a 40 gr. bullet and 40 gr. of 4320! According to the Speer Manual, almost 4000 fps can be attained with a 50 grain bullet and 39 gr. of 4064.

In spite of the high velocities that can be obtained with light bullets, the .22-250 is at its best, I am convinced, with 55, 60, and 63 gr. bullets pushed along at 3500-3700 fps muzzle velocity. Barrel and case life will be longer for one thing, and the heavier bullets will actually shoot flatter over long ranges and have less wind drift. The ideal bullet for the .22-250 (and also the Swift), is a long-ogive 60 gr. spitzer. Such a bullet will stabilize in a standard 1 in 14 twist, shoot ex-

remely flat, and buck the wind like a 70-75 gr. 6 mm bullet.

The arch-rival of the .22-250 has always been the commercial version of the Swift. Various wildcat versions of the Swift, like the .220 Wilson Arrow and the K-Swift, flourished briefly and are now almost unknown. Both the .22-250 and the Swift produce similarly high velocities when loaded to maximum, and both are almost unbelievably destructive varmint killers. But the .22-250 does have several advantages over the Swift. For one thing, it is definitely more accurate. Before the .222 Remington came along, the .22-250 was the darling of the bench rest clan, winning as many, and possibly more, matches than any other cartridge. The Swift, on the other hand, never fared very well in the demanding bench rest game.

The .22-250, with its sharp shoulder and fairly straight body, does an excellent job of burning modern powders. The Swift case is a long, tapered semi-rimmed one, with a tendency to lengthen and thicken at the neck. Although the Swift case looks much larger, powder capacities of the two cartridges are quite similar. Actually, Swift velocities can be duplicated in the .22-250 with a couple of grains less powder.

It would appear that the popularity of the .220 Swift has slipped badly in the last several years. Competition with the .222 and the .243 certainly did it no good. The latest Winchester catalog shows that the Swift is no longer being chambered in any version of the Model 70, and to the best of my knowledge, no factory gun is chambered for the Swift. On the other hand, Browning is now chambering their fine high-power rifle for the .22-250 in both lightweight and heavy barrel models. Fred Huntington, of RCBS, tells me that loading dies for the .22-250 are outselling those for the .220 Swift by a ratio of nearly 3 to 1.

I wouldn't be at all surprised if one of the more progressive loading companies started producing factory loaded ammunition or at least offer unprimed brass for the .22-250. If this comes to pass, the wicked little .22-250 is going to get a big shot in the arm—and this is as it should be.



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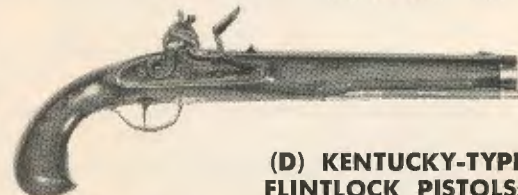
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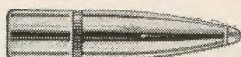
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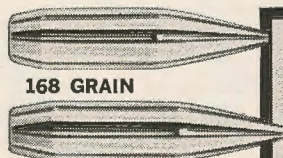
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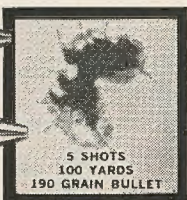
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QUESTIONS and ANSWERS

By GRAHAM BURNSIDE

Questions submitted must carry a Shooters Club of America number or must be accompanied by one dollar. Questions lacking either number or dollar will be returned. If you want a personal answer, enclose a stamped, self-addressed envelope.

Luger Oddity

After reading both of the books on the subject of Lugers, I'm still trying to identify an old one I picked up. This gun seems to be standard except for some markings that indicate it may be unusual. It is a 9mm that has been rebarreled.

The serial number is m9. This is the first I have heard of a serial number being preceded by a letter other than "P" which is usually a capital. The "M" in this case is a lower case cursive apparently from a set of European figures since they give you the impression that they are not of local origin. This number appears on the receiver and the frame and the "M" is almost as large as the 9 which seems a bit larger than normal Luger serial digits.

The toggle is marked DWM and serial numbers do not match the frame but interior parts of the bolt mechanism contain ending serial digits which are consecutively numbered indicating that the assembler may have had access to a factory supply of some kind.

The real kicker though is the story of the initials GL appearing on Lugers and this one has them. They are under the left grip at the base of the frame, one on either side of the cut-out thru which the magazine can be seen.

Other Lugers I have inspected have other initials in these positions so I wonder if this is accidental or if it really is a signed piece.

The GL on the frame may just be production marks but the lower case cursive m preceding the number 9 is the thing that leads me to wonder. It carries no markings over the chamber as many Lugers do.

Bob Forman,
Box 68
Monmouth, Ill.

I'll have to leave the identification of your Luger up to the ever increasing group of Luger collectors.

Maybe someone reading the Q. & A. column will be able to help you. In the meantime, I'll advise you to keep the gun until more is learned about it.—G.B.

Warnant Rifle

I would like to know the caliber, manufacturer, date, type of action, and value of the rifle I have (drawing enclosed). It is

about .25 or .32 caliber, has an octagon barrel that is 24 3/16" long, and all parts including the stock are marked #31. On the left side of the barrel is JG31; rear of the barrel is marked with a crown over an R and also a crown over a circle with the letters ELG inside; on the bottom of the barrel is 302 BELGIUM. The stock is one piece with a rounded pistol grip.

B. E. Simpson
Decatur, Georgia

You have described an example of the Belgian "Warnant" rifle. It is probably chambered for the .32 rimfire cartridge.

I cannot tell you who made it, since more than one concern made and exported these inexpensive rifles. In the period of 1900, there were Warnant rifles available in this country for about \$2.50 to \$3.00.

If a Warnant were found today in "as new" condition it would be worth \$20.00 to an interested collector; specimens in average condition sell for \$10.00 or less.—G.B.

Antique Parts

Please help me find some information concerning the internal parts of the following pistol. The side plate is missing from the left side, and it appears that other parts are missing, also. I would have the parts made if I knew what they looked like. The gun is a Merwin & Hulbert single action revolver; spur trigger, .38 caliber, serial 5142, pat. date Mar. 6, 1877.

Robert W. Anthony
Whistler, Ala.

Whenever parts are wanted for an obsolete item such as this you should attempt to do the following things:

1. Search the ads in the gun publications for those dealers who have obsolete parts for sale.
2. Contact local gun collectors and/or local gun collectors organizations for people interested in the group of arms covering the item in question.

With luck and perseverance, most things can be found. Often in cases such as the above, one can borrow an arm for measurement and other details of the wanted parts.—G.B.

Barrel Length and Velocity

I am considering cutting back the barrel of my 1903 Springfield to 20 or 21 inches, to fit a Fajen full-length stock. Will this have any effect on velocity and accuracy, say out to 300 yards? The gun has a star gauge barrel.

I also have an Argentine Mauser, Model 91, 7.65 mm that I want to cut to a 22 inch barrel. How will this affect accuracy, etc? Can you furnish ballistic data for this car-

tridge? How is this rifle regarded as to reliability, strength, and safety of the bolt, and other factors? What are its bad or weak points? How is the military sight graduated? Can the rifle be rechambered for any more common load, the .308, etc?

I have a M82 scope. Who made it—what power is it—what is its approximate value? I also have two Griffin & Howe side mounts with quick release levers. Are they especially desirable or valuable? I have a liking for a scope plus good receiver sights; are the swing-aside mounts really reliable?

R. Dickinson
Rancho Cordova, Calif.

If you shorten any military rifle barrel that uses smokeless powder down to 20 inches—or even 18 inches, the difference in accuracy and velocity is not worth mentioning. These days, anything over the legal limit of barrel length is for looks and balance (my opinion).

The 1891 Mauser rifle should not be rechambered or rebarreled to any cartridges which have the pressure and velocities in the .308 class. However well made, the '91 Mauser is lacking in strength, both from a point of design and materials used. The action was designed for working pressures in the 45,000 psi range. It wasn't until the 1898 Mauser appeared, that the design hit a proper peak and the steels were really tough enough.

The ballistics of the 7.65 mm Mauser cartridge, with the 185 grain bullet are: muzzle velocity, 2500 fps; energy, 2568 fp.

I cannot give you details on the M-82 scope, as I have never had one to examine. The G&H mounts are well made, but not particularly valuable.

Yes, the swinging mounts are usually reliable, but I have found that in actual hunting experience, many such devices, however well conceived, are unnecessary. You will use what you have, and you will often ignore features that seemed important before you left home.—C.B.

Soviet Arms

I would like to have some information regarding two guns I have in my collection—a Soviet Degtyarov DTM Tank Machine Gun and a Soviet M1938 mortar.

In the case of the DTM, I would like to know the year of its adoption, how long was it officially used, is it used officially by any Iron Curtain country today, what is its maximum accurate range, and what type of vehicle was it mounted on.

In the case of the M1938 mortar, I would like to know what ranges it is calibrated for, what is its maximum accurate range, how long was it officially used, is it in use officially anywhere today, its weight, and the weight of its projectile.

Roman Rudnytsky
Toms River, N.J.

The 1962 version of the book "Small Arms of the World" states that the DTM is still in use in the USSR, and it gives data concerning the arm. It does not, however, state what year it was adopted.

Since the DTM fired the usual 7.62 mm Russian cartridge, we can say that its range is comparable to our .30, 1906 cartridge.

The DTM was not equipped with a front sight and this would mean to me that pin-

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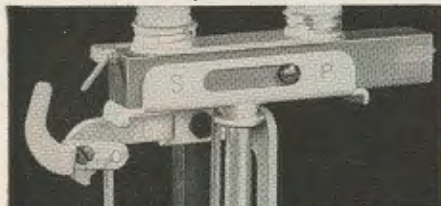
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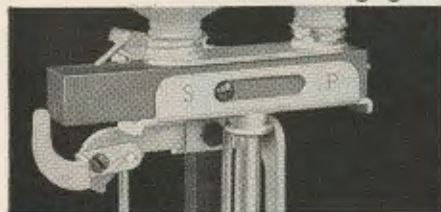
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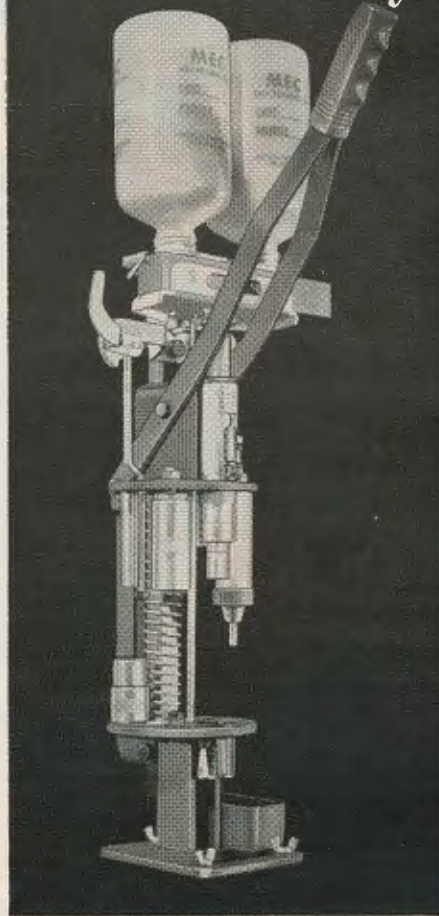
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point shooting was all but impossible. From what information I have, the DTM was only mounted on tanks.

Mortars are more than a little out of my line. Unfortunately I cannot help you.—C.B.

Handgun Trio

I would appreciate the following information about three guns; value, age, and type of cartridge or caliber.

The first gun is a Smith and Wesson tip up revolver. I know the caliber is .22 short. The number 11133 is stamped on the butt. On the cylinder is stamped Patented July 5, 1859 and another date which I couldn't make out. It is in good condition.

The second gun is a percussion pistol of fairly small size. On the barrel is printed what appears to be Allen & Wheelock. On the bottom inside of the trigger guard is stamped the number 523 which appears again just in front of guard on the underside of the barrel. On the left side of the hammer seems to be the words Long .45. The barrel is half octagon and half round. The bore is in a hexagonal shape. It is in fair condition.

The third gun is what seems to be a fairly recent make .38 revolver. It has printed on the frame over the cylinder the words U.S. Revolver Co., and Made in U.S.A. On the frame under the left grip is stamped F 21405 which appears again under the trigger guard excluding the F. It is in fair condition and has a 2½ inch barrel.

David Boud
Spring City, Pa.

Your S. & W. tip-up revolver is an example of the "1st Model." If it has a rounded frame it is the 1st Issue and is worth better than \$100. If it has a flat sided frame it is the 2nd Issue and is worth about \$25. The other date on the cylinder is "April 3, 1855." The 1st Model 1st Issue was made from 1857 to 1860. The 2nd Issue was made from 1860 to 1868.

The Allen & Wheelock percussion pistol was made between 1857 and 1865 and in fair condition is worth \$20. or less.

The "U.S. Revolver Co." was a brand name product made by the Iver Johnson Co. for the E. K. Tryon Co. and was probably manufactured about 1910. In fair condition it is almost valueless. It was probably made for the .38 S&W cartridge.—C.B.

Italian 9 mm Ammo

I have a box of 9 mm ammunition with the following on the cover: 50—Cartucce Cal. 9 mm. 50; Per Moschetto Autom. Beretta M.o 38.

Is this ammunition safe to use in a Luger, and is the primer corrosive?

Lawrence H. Reschke
Little River, Kansas

The 9 mm Italian Beretta, Model 38 cartridge is not loaded over the pressures that are safe for a Luger pistol. In fact, you may have some malfunction with your Luger due to inconsistent loading and slightly low pressures.

I do not know if the stuff is corrosive or not—but my guess is that it is. See how cleanly it shoots and be sure to keep your Luger clean.—C.B.



THE CASE AGAINST THE SNUBS

(Continued from page 22)

bandits fired volley after volley of shots at 50 yards until their snub-nosed .38's were empty. The outlaws made good their escape. However, two innocent bystanders were killed by stray slugs from the snub guns. They were unlucky enough to have been standing a dozen feet to one side of what should have been the line of fire! Chalk up two more victims of the notorious lack of accuracy of the snub guns.

In most revolvers that receive normal usage, the bullet slams out of the cylinder chamber and skids over the rifling for a short distance before the lands and grooves take hold and start spinning the bullet. There is not enough barrel in a snub gun to stabilize the bullet properly for long accurate flight.

A squad of detectives in New York City were pinned down by the deadly accurate fire from a notorious gunman over a hundred yards away. The sleuths would expose themselves for a split second as they fired their snub nosed .38's at their quarry. Their slugs were bouncing off the sidewalk before they ever got to their target. Slugs from the hoodlum's Luger were smashing masonry scant inches from their heads as he returned their fire. He made good his escape and it was months before he was captured. Several of the detectives who were in that debacle came to me after the fight and wanted to know what was the matter with their guns. The dealer from whom they had bought the revolvers had told them that they were just as effective as their service revolvers—"they shoot the same cartridge don't they?"

In my opinion, the best personal defense gun for concealment use, is Colt's Police Positive Special .38, in nickle plate finish, with smooth ivory grips, trigger shoes, and grip adaptor, if needed. When properly holstered in a belt scabbard, this revolver

hugs the body and conceals better than any snub nose gun. Loaded with 200 grain Winchester Western Super Police cartridges, it can either stop a man at 50 yards, or come close to it—which is all you can expect of a .38 revolver.

Smith & Wesson's Chief Special—the all-steel model with a 3" barrel, nickle finish, Fitz Gun-Fighter grips, trigger shoe, and custom honed action—is another easily concealed revolver that is quite effective when loaded with the 200 grain manstoppers. Both the Police Positive Special and the Chief's Special have enough barrel to let you know which direction they are pointing in fast, double-action, point-shooting.

The most ridiculous snub guns of all are the medium frame service revolvers chopped down to 2". These monstrosities are so top-heavy that it is nearly impossible to holster them so that they may be carried comfortably in concealment. With 4" or 5" barrels, these guns are easily hidden and are far more effective than their mutilated brethren.

The snub nosed revolver is useless as a target pistol, it is not dependable enough for a service weapon, and it would be utterly worthless for hunting in the field. The only legitimate function of these runts is as a holdout gun for a law enforcement officer for use in emergencies at very close ranges, or by a sleuth working undercover where complete concealment of the gun is necessary. The undercover investigator will use his gun as a last resort to shoot his way out of a tight spot at very close quarters.

In years to come, a really effective snub-nosed revolver and ammunition for it may be developed. I sincerely hope that it can be done. But until that day comes along, I'll rely on a .45 Colt New Service with a 5½" barrel as a manstopper, and continue to snub the snubs.

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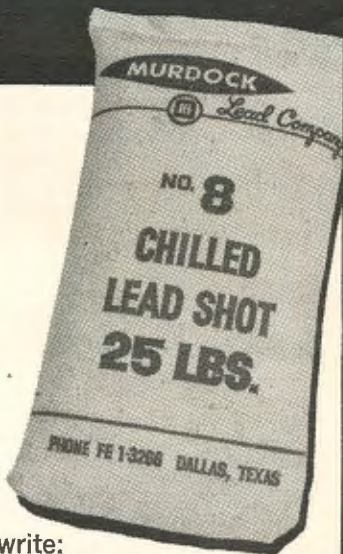
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(Continued from page 27)



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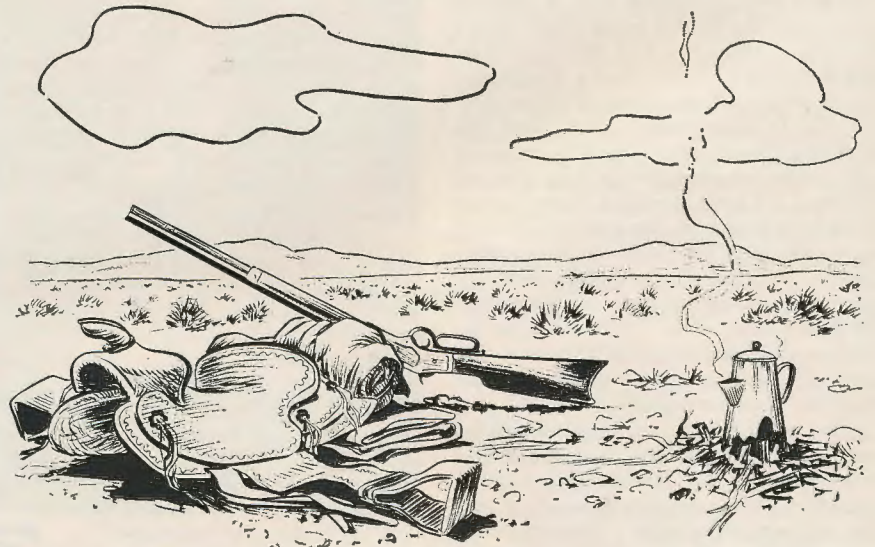
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of the shooters. Although these crack shots were good, they still remained performers who spent a good deal of time in other acts of the show, and never attained the greatness of Captain A. H. Bogardus, "Doc" Carver, or Annie Oakley. Featured with the 101 were Capt. Ted Lewis, Selma Zimmerman, Stack Lee, Jack Webb, Edith Tantlinger, Princess Wenona, Tex Cooper, and others.

Capt. Ted Lewis was billed as a crack rifle and revolver shooter, a famous Western dead shot. Colt factory records listed him as the purchaser of a Colt New Service, caliber .44-40, 7½" smooth bore, serial no. 327295, on May 5, 1928.



Stack Lee was called the "Champion Rifle Shot" and, with Selma Zimmerman, displayed unsurpassed marksmanship while mounted on galloping steeds. Jack Webb was also featured in the same program as a sharpshooter. Edith Tantlinger, woman sharpshooter of the 101 Ranch Show, had such confidence in her shooting ability that according to the "New York Telegram," May 3, 1914, she wanted to organize and lead a regiment of women sharpshooters against the Mexicans in case of a formal declaration of war.

The 101 Ranch used a variety of guns, and consumed thousands upon thousands of rounds of blank ammunition in their shows. They used Springfield 1873 Model rifles, Winchesters, Colts, and Smith & Wesson revolvers. Such arms and ammunition companies as Winchester, Peters, and Remington were featured advertisers in their programs and, of course, the 101 used their products. The amounts of blank ammo they used would stagger the imagination. Invoices on shipments of blanks received from Remington and Peters show that 30,000 rounds were received in 1926, 21,000 in 1927, 26,000 rounds in 1929.

The 101 Ranch certainly was not partial to any particular caliber; they bought center-fire blanks in the following calibers; .32 S&W, .38 S&W, .44-40 WCF, .45 Long Colt, .45-70 Govt., .38 S&W Spec., .44 S&W Russian, .44 S&W Spec., .44 Colt and .41 Short and Long Colt.

The exhibition shooters used smoothbore rifles and revolvers. The .44-40 and .45 Long Colt ammunition was loaded with #8 shot encased in a hollow wooden nose. This was the standard ammo used by sharpshooters in the wild west shows of these times. Usually the targets were glass balls, plates, and various other items.

Winchester rifles or carbines were the popular guns for these shooters. A letter from the Winchester Company, dated July 14, 1927, verifies an order from the 101 Ranch for three Model 92, .44 caliber smoothbore carbines. That the 101 Ranch was rough on their firearms is shown in another letter from Winchester, dated October 22, 1927, in which they state the Model 92 carbines, sent in for repair from the 101, were only good for the scrap heap.

Colt's also sold guns to the 101 Ranch. Whenever Joe and Zack Miller brought the

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show to Hartford, Connecticut, they always stopped in to see their good friend Robert Courtney, the Arms Service Manager. They purchased Single Action Army revolvers directly from Courtney, and arranged to bring guns needing repair into the Colt plant by 7:00 A.M. Courtney had the guns serviced in time for the evening performance.

A prime question that usually concerns gun collectors is the whereabouts and authentication of weapons with a "famous" past. Fortunately, there are quite a few firearms around that have been connected with the 101 Ranch.

One such gun, in the Philip H. Fisher collection, is a nickel finished Colt Single Action Army revolver, caliber .45, with a smooth 5½" barrel. Engraved on the back-strap is "Texas Cooper," and on the butt is marked "101 Ranch." According to the Colt records, Tex Cooper, on May 5, 1913, purchased a pair of these Colts, identical in markings, fitted with carved ivory steer head stocks, with serial numbers 326965 and 326962. Tex Cooper, the colorful official announcer of the show, was also featured as one of the crack shots. He raced around the arena on a white horse, dusting targets with his Colt six-shooter. The Indians and Cossacks with the show called him "Old Center Shooter."

In the Oklahoma Historical Society collection is a Colt SAA, caliber .45, serial number 309543, fully engraved, with pearl grips initialed with "JCM" for Joe Miller, one of the owners of the 101 Ranch.

Zack Miller also had a fancy Colt SAA, caliber .45, serial number 328849, silver plated, and very fancy engraving. This historic piece is preserved in another private collection.

An interesting piece, definitely authenticated, is a Winchester Model 92, caliber .44-40, with a short barrel. This was the personal saddle gun of Colonel Joe C. Miller and was given to a friend of the Miller family.

Roy Rogers, Western movie star, has a pair of .45 Colt Single Actions, serial numbers 349117 and 348754, attributed as once belonging to the 101 Ranch.

A pair of single action .44 Smith & Wessons, with serial numbers 34282 and 1846 are in a private collection. These revolvers are also attributed to belonging to an old time cowhand of the 101 Ranch.

Last, but not least, is a 7½" barrel .45 Colt Single Action Army revolver, serial number 353046, that I was fortunate to obtain. This gun is authenticated by the Colt factory records as being one of 15 guns shipped from the company to the 101 Ranch on February 27, 1929. One more Colt Single Action from the same shipment of 15 guns, this one with serial number 352744, recently turned up in a private collection.

As the saying goes, "all good things must come to an end," and so it did for the 101 Ranch. Many factors lead to the end of the show; the death of Joe and George, the depression, foreclosure of the heavy mortgages. Came the day when Zack, the surviving brother, alone in the family home called the "White House," stood off creditors with a shotgun. But it was no use. Walter M. Harrison, writing in the "Oklahoma City Times," July 27, 1936, mentions that the rifles over the mantle had been hauled from their pegs

and peddled for pennies; an old buffalo gun went for fifty cents, and on other guns, the highest bid the auctioneer could squeeze out of the crowd was two dollars.

And so the Miller Brother's 101 Ranch Real Wild West Show came to an end, and the famous names that were blazoned across its banners—Buffalo Bill Cody, Tom Mix, Buck Jones, Will Rogers, Jack Hoxie, and others—became mere memories. Zack Miller, a broken, whipped man, died in 1952.

But the 101 Ranch is not just one story; it is the thousands of stories of men and women, cowboys and Indians, and performers and roustabouts, who all had a part in the making of an entertainment spectacle that is lost, except in the memories stirred by the guns marked with the famous "101."

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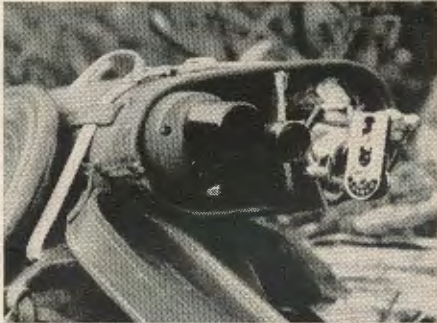
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(Continued from page 23)

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that is just about to disappear, and though you may be able to see it, positive identification is impossible. A quick look with the spotting scope will provide the answer, but have you ever tried to get your scope pointed at and focused on that faraway critter in a hurry? I simply put the dot of the rifle scope on the animal, focus the spotting scope, and in seconds can tell if it is a trophy or not.

Now comes the problem of transporting the camera tripod and spotting scope. If you are traveling on foot, a back pack is the answer. However, most wilderness hunts today are with horses, and in my case, I try to avoid hunts that don't use horses.

For my scope and tripod I use the hard

leather case sold by Al Freeland. It is 17 inches deep, 4½ inches wide, and 10¾ inches high, with a sturdy divider to separate scope and tripod. I fasten the case behind the saddle with two ¾ inch belts, but any straps will do. I riveted several loops on the case to hold these straps in place.

If the saddle does not have a leather gadget to run the straps through, your outfitter should have spare leather, and can make one up. It can take the place of the rosette over the leather strings on the rear of the saddle. The first year I had this case out, I used the leather strings to hold it to the saddle. However, the leverage obtained by pulling the belts really tight, holds it more rigidly. This eliminates bumping the horse and jarring the scope. The strap that holds the cover in place makes a convenient carrying handle.

This outfit has produced trophies that I may not have found otherwise. When my outfitter and guide, Frank Stewart of Cassiar, British Columbia, first saw my rig, he said: "That is the best case and scope stand I have ever had a hunter bring on a hunt." This alone made it all worth while, for the respect and friendship of outfitters and guides is not easy to come by.

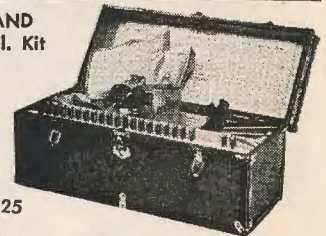
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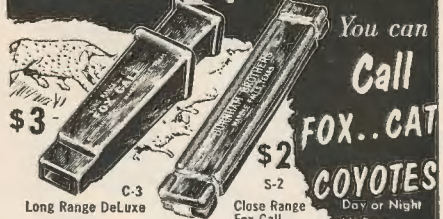
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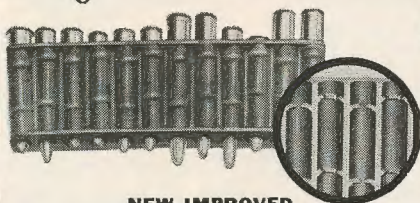
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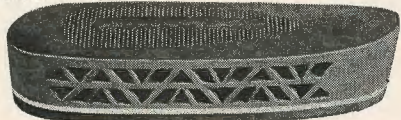
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FATHER OF PERCUSSION

(Continued from page 35)

shattered by some charges that were too powerful.

The first fault was eliminated by a closer fitting of all parts of the primer. In addition, two small bushings of oil-impregnated cork were fitted inside the primer, one on each side of the roller, and held tightly against its surface by two adjustable set-screws. This arrangement not only prevented any flash travelling around the roller, it also served to keep the roller oiled.

To rectify the fault of the powder, a different type of detonating powder had to be compounded; a dangerous matter of trial and error, with the ever-present possibility of an explosion as reward for miscalculation.

In addition to these two measures, a small hole was drilled through the base-plate of the primer and stoppered with a small plug of horn that would be blown out by an excessive charge.

From his experiments, Forsyth discovered that quite a large amount of gunpowder could be saved by using a properly constructed percussion lock, and he reported this fact to Moira. This gave Moira the idea that Forsyth's remuneration could be based on the actual saving of gunpowder over a certain period of time. To ascertain just how much powder might be saved, Forsyth was ordered to go to Woolwich and "carry out some ex-

periments," but these experiments did not give a fair and accurate picture of how much gunpowder might be saved. In the light of this, Moira was unable to fix a definite remuneration, and Forsyth raised no objection, being under the impression that when his percussion lock was introduced into Military Service, he would be well rewarded.

In March of 1807, approximately 12 months after starting the project, Forsyth succeeded in completing a lock that was approved by both Moira and the Commander in Chief of the Services—and as far as Forsyth was concerned, that was that. He had completed his task, and was anxious to put as many miles as possible between himself and the Tower.

Moira, on the other hand, was not as eager to dispense with Forsyth's services, ordering him to make one or two minor alterations to the musket lock, and to apply a percussion lock to a 3-pounder which was to be sent to him from Woolwich. Once again Forsyth found himself with a headache, as a 3-pounder required a much different lock than that of a musket.

On March 21, 1807, £300 was paid to Forsyth, constituting the balance of the agreed advance; at the same time, he was called upon to submit a statement detailing how the first £100 had been spent.

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About this time an impending change of Ministry became apparent, and on April 4, 1807, the Earl of Chatham succeeded Moira as Master General of Ordnance. During that month, with the completion of the lock for the 3-pounder almost in sight, Forsyth received brief notification from the Board of Ordnance that his services were no longer required, and that he was to submit an account of his personal expenses to date. All Ordnance property was to be handed in and, as so many writers have since taken delight in recounting, "his own rubbish was to be removed from the Tower."

There seems to have been no reason for Chatham's obvious dislike for Forsyth, other than perhaps that Forsyth was a Whig, and being a protege of an outgoing Whig Minister, his dismissal from the Tower was inevitable.

Forsyth submitted his claim for expenses, together with a memorandum in which he stated that although he believed that he was entitled to remuneration from the Government for his invention, he would not press for this since they had not made use of it for the Service.

On June 1, 1807, he was informed that the Board had ordered the balance to be paid to him, and with the usual swiftness of officialdom, actual payment was made on August 27, 1807. As well as being kept waiting for his cash, he also waited for some time before the Board allowed him to taken out a patent covering his invention. The patent was granted on July 4, 1807, and once in possession of this, and the cash, and despite his apparent "anxiousness" to get back to Scotland, he remained in London to open a gunshop, securing the services of James Purdey, who later became a famous gunmaker in his own right.

During the years following, Forsyth's principle was approved of by most sportsmen, and a considerable number of flintlock sporting guns and pistols were converted to his system. It is estimated that more guns were converted to Forsyth's system than were ever turned out as complete guns from the Forsyth manufactory. However, the military thought the conversion too expensive, and retained the flintlock.

As with all new inventions, there were the skeptics and antagonists, and an amusing example of these was the "English Gentleman", perhaps a flintlock gunmaker, who indulged in a little "mud-throwing" by penning a letter to the editor of the "Gentleman's Magazine" in 1817, which said in part: "If, moreover, this new system were applied to the Military, war would shortly become so frightful as to exceed all bounds of imagination, and future wars would threaten, within a few years, to destroy not only armies, but civilization itself. It is to be hoped, therefore, that many men of conscience, and with a reflective turn, will militate most vehemently for the suppression of this new invention."

In 1840, 33 years after his dismissal from the Tower, Forsyth petitioned the House of Commons for some recognition of his services. He detailed all of his trials and troubles, both technical and financial, and raised again the question of remuneration. Forsyth closed the petition by stating that he had not benefited financially from his invention owing to its being rejected by the Govern-

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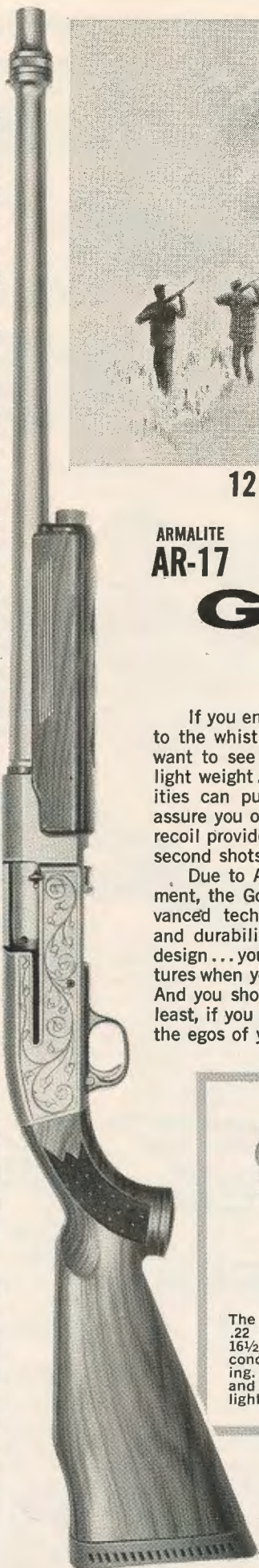
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ment, and that he was subjected to expensive law suits defending his patent against "mere men of straw."

Two years later, on February 2, 1842, not having heard anything favorable from the Board, Forsyth sent them another letter, stating: "Having heard that the percussion lock was introduced into Her Majesty's service, I take the liberty of mentioning to you that I am the inventor of the lock. I hope that you will see that now I have a just claim upon Government for some remuneration..."

Once again papers were shuffled and the matter appears to have been put before the Treasury Department, who in turn reported to the Secretary of Ordnance on March 26, that they had no objection to the granting of a moderate donation to him, leaving it to the Board to fix the amount. The Board replied that, owing to lack of proof that the percussion lock now in use was the invention of Forsyth, a gratuity not exceeding £200 could be paid to him as the person who first suggested the idea.

On March 21, 1843, the Board received a paper, headed, "Brief Statement from Forsyth regarding the £200 granted to Him." In this somewhat lengthy "brief statement," he requested the Board to reconsider his case, as he did not think that the £200 granted to him in 1842 was adequate remuneration.

After deliberation, the Board decided to clear the Forsyth headache once and for all; they acknowledged the obvious fact that Forsyth was the inventor of the percussion principle, and that "the contemplated advantages are now accomplished and there cannot be a doubt that the merits of the invention is attributed to the services and exertions of Dr. Forsyth." Finally, on September 18, it was agreed that a gratuity of £1,000 should be awarded to Forsyth, on the condition that he relinquish all further claims and demands upon the Department.

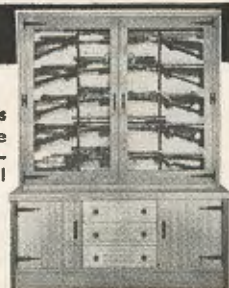
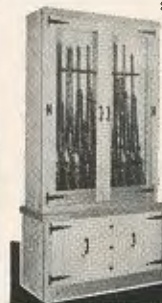
On June 11, 1843, during the course of this paper warfare, Forsyth died, unaware that his hard work had at last been recognized. The £1,000 was split between three of Forsyth's surviving relatives.

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WAIT FOR YOUR BUCK

(Continued from page 27)

discovery belongs to being motionless, no matter whether hunter or hunted.

However, few humans have vision or hearing nearly as good as deer. Therefore, a hunter must use other means to balance the situation back in his favor. Perhaps camouflage is the best of these means. Every experienced hunter has seen deer practically evaporate into their surroundings and the truth is that a hunter can do the same thing.

There are many ways a hunter can blend



into his background while waiting on stand. One way is to remain motionless—and that means absolutely motionless. Of course it's difficult to do for long periods, but it's most important. A movement as slight as slapping at a mosquito or winding a watch will certainly spook an approaching deer or one standing unnoticed nearby. If you *have* to move on stand, do so very slowly and deliberately.

Try to take as much advantage as possible of vegetation. It might be cattails, holly bushes, balsam, or prickly pear, it doesn't

make any difference. Stay in the shadows rather than in bright sunlight or even in open shade.

In some states, the law requires a deer hunter to wear red or scarlet clothing. But the value of brightly-colored clothing is debatable. If a man remains completely motionless, and is at least partially screened by natural cover, neither deer nor other hunters will spot him very easily. And besides, there's plenty of evidence that all deer (as well as some hunters) are color-blind.

Waiting-game-hunters also have their problems. After two days of watching, a hunter left his stand just long enough to walk to a spring nearby for a drink of cool water. As luck would have it, at precisely that time a black bear came along, smelled the hunter's lunch, and carried it away with him. Footprints in the soft earth provided the evidence.

Still, the season's tough luck trophy might go to a Colorado sportsman who, after waiting and watching diligently for more than a week in the Rocky Mountains, finally dropped a tremendous mule deer buck. Its head was bigger than anything the man had ever dreamed about.

With trembling hands, the man placed his rifle across the deer's antlers, and stepped back to take a picture of his "kill." But all his picture revealed was the deer's rear end vanishing in the general direction of Wyoming. By some curious circumstance, the deer had been momentarily stunned. When it suddenly revived, it trotted away with the hunter's rifle on its head, never to be seen again.

Some days a man can't win—even if he plays the waiting game and plays it well.



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CONNECTICUT CARTRIDGE

RIFLES FOR ALASKA...

(Continued from page 25)

the grizzly and the brown bear, the hunter literally bets his life on the rifle and its cartridge. In the last two instances, he bets a lifetime's desire for a record, or exceptional trophy, against the suitability of his rifle.

The unusual thing, and the most vital factor as applied to the hunter in Alaska, is that, with few exceptions, *one* rifle-cartridge combination must cover the entire wide range of hunting circumstances—that's the one he currently has in his mitts.

The whole problem, with few exceptions, revolves around this fact that the non-resident hunter will have but *one* rifle. There are two main reasons for this; both entail transportation. The majority of non-resident hunters go to Alaska by air, and hauling rifles by airplanes is now a nuisance.

Few commercial airlines allow the hunter to keep his rifle, or rifles, with him as carry-ons. Most lines keep them separate from luggage, but insist they be placed by the pilot or stewardess in the plane's cockpit during flight. Arrangements have to be remade at each change of airlines. This itself is a nuisance, especially for the hunter lugging around several scoped rifles. I know many hunters who take only one rifle along, for this single reason.

The real problem, however, begins when the outfitter or packer is reached. I've yet

to meet an outfitter who does not frown upon a hunter taking two rifles into camp, or who will not do everything in his power (and that's considerable) to prevent it.

Why? Because from road's end, the hunting camp and country is largely reached with horses. No outfitter or guide wants any of his horses to lug two rifles. He simply tells his paying dude that it can't be done, and offers a wide variety of reasons. Time after time I've witnessed the result. The second or third rifle, carefully tended for several thousand miles en route, is stacked up at the outfitter's lodge or ranch, and the hunter lugs in only one rifle under his stirrup. In cases where the dude hunter insists on two rifles being taken to camp, the spare rifle is usually lashed down as a top-pack on a horse, or mule, often without suitable protection for the rigors of the trail. In many cases, the "spare" rifle is out of commission by the time camp is reached. I tried taking two rifles to Alaska once, for the purpose of field-testing. Suffice it to say that in the many trips since, I've habitually taken but one.

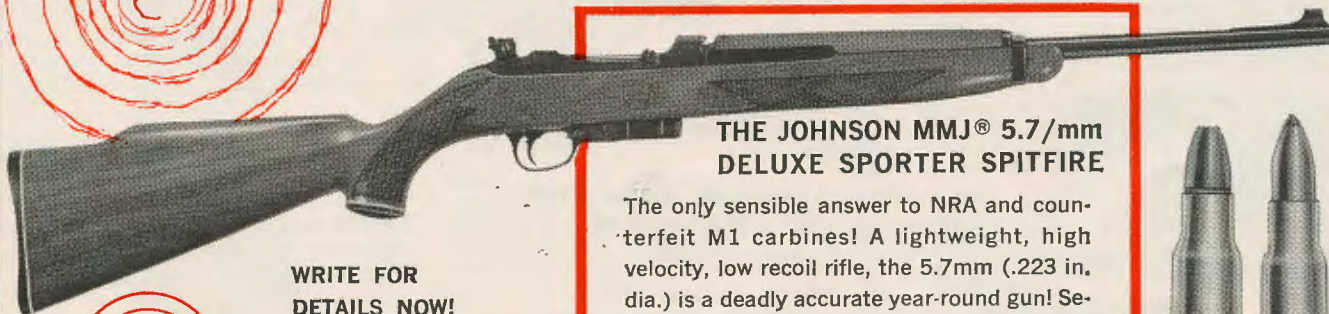
One factor which the novice hunter, contemplating his first expedition to Alaska, never considers, is that in this *big* country, game ranges overlap, and the different species further overlap through seasonal migration. The hunter, for example, simply

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can't say, "I'll take my .280 today, because we're after sheep." He's just as apt to run into a trophy grizzly, or 1500 pounds of bull moose on the way up to ram country, as he is to locate the ram.

In short, the adequate rifle-cartridge for Alaska hunting must be capable of taking cleanly the biggest, toughest or most dangerous species, as well as all lesser or easier-killed species. The "best rifle-cartridge will therefore be entirely adequate for the toughest species and, of necessity, too much for the smaller species. In an Alaska mixed bag, this normally means the four species of grizzly, caribou, moose, and sheep. Special hunts for brown or polar bear will change the rifle picture little. Special hunts for sheep or goats or black bear *only*, mean that proportionately smaller calibers may be used—if the hunter wants to run the possible risk of an accidental grizzly encounter.

Moreover, the ideal cartridge-rifle for Alaska must be capable of stopping game virtually under the hunter's nose (grizzlies in bush country), to ranges out to 400 yards (for caribou in open muskeg regions and sheep across big ravines and peaks)—it must be short-range, long-range.

These are the actual factors surrounding the choice of a suitable cartridge-rifle for Alaska hunting. They have nothing whatever to do with how many foot pounds of energy or foot seconds of velocity it will take to kill what species of animal, with what kind of hit—often expressed in "paper" ballistics, and around some hot stove. With some understanding of these conditions, the hunter is in a position to choose suitable cartridges and rifles.

My experience has long been that for the biggest North American game, a minimum of .30 caliber, 180 grain bullets, and around 2900 fps velocity, in combination, is necessary under all hunting conditions. These minimums may be modified somewhat, of course, within the total combination. That is, slightly less velocity might be counter-balanced by greater bullet weight, etc.

On this basis, the old .300 H&H Magnum would seem to be a fine cartridge for Alaska hunting; and I have always found it to be. With 180 grain bullets in the .300 H&H, I have killed numerous grizzlies, rams, caribou, moose, and trophy-sized bull elk. It was my good luck once to take six different big-game animals in as many field shots with this caliber.

More recent cartridges, entirely suited to Alaska hunting, include the .308 Norma, .300 Weatherby Magnum, .338 Winchester Magnum, and the Winchester .300 Magnum. The .375 H&H has long been one of the very best for the heaviest game, but is rapidly losing ground to the .338 Magnum, which will not only virtually duplicate the performance of the .375 on the biggest species, but is better for long-range shooting at the smaller Alaska species such as caribou and rams. Wildcat cartridges which duplicate the ballistics of the above are also suitable.

The best bullet for these .30 calibers is the 180 grain. Seasoned hunters use it on all Alaska game, and it saves the necessity of re-sighting, learning a new trajectory curve, etc. In my own experience, the 200 grain bullet in the .338 Magnum is nearly ideal. For brown or Kodiak bear *exclusively*, the 250 grain bullet would be better at reasona-



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ble ranges for shooting through heavy alders.

The above cartridges necessitate bolt-action rifles, but one lever action rifle gave fair results on Alaska game at short ranges—the Model 71 Winchester, in .348 caliber. It is still a good close-range outfit on grizzly, brown bear, and moose. Its lack of range eliminates it as an all-purpose Alaska rifle. Similarly, the newer .358 Winchester has real knock-down power at close range, and fine brush-bucking ability, but it, too, lacks long-range shooting power.

The fine new 7 mm Magnum cartridges approach closely to the minimums stated previously. The superb Remington 7 mm Magnum lacks only .024" bullet diameter and 5 grains of bullet-weight (175 grain), and this is largely overcome by exceptional velocity. For all Alaska hunting, the cartridge is fine for everything except brown bear in heavy alders, or grizzlies in heavy bush—the preferred habitat of both. For this, where the beast must be not only killed but *stopped*, more bullet weight and diameter are best. This applies to comparable cartridges such as the fine 7 mm Weatherby Magnum, the 7 x 61 Sharpe & Hart, and similar calibers.

As an indication of what is being used by the better hunters, here are some lists of rifles carried by parties on recent hunts:

On a 1957 hunt, there was one .375, two .300 Weatherby Magnums, one 7 mm Weatherby Magnum, one Sharpe & Hart 7 x 61, and two .300 H&H Magnums. On a 1961 brown bear hunt, two .300 Weatherby Magnums and a .375 were carried by the hunters, with the outfitter having a .375 and the guide a .348. In a 1958 mixed-bag hunt, two .300 H&H Magnums, one .338 Magnum, and one .270 Winchester were carried by the four hunters. This last rifle was taken for a ram-only hunt, and did the job right well.

The rifle, even though of heavy power and ample recoil, should be as light as reasonably possible. This means that the rifle should wear a recoil-pad. It should have a sling, also, to take the misery out of carrying. If at all possible, the barrel should not exceed 24" for convenience, and sheer safety when climbing and twisting around in sheep ledges and cliffs. The sling performs a most vital function here, allowing the hunter to carry the rifle on his back while using "all fours" for traction.

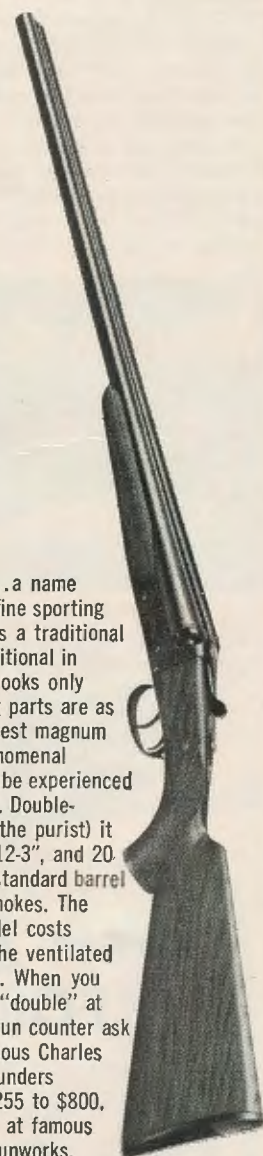
The best sight for hunting most Alaska game is a good-quality, 4X scope, set low and rigidly in adequate mounts. Further, the scope should have long eye-relief, for shooting from awkward positions.

It should go without saying that the rifle should have a strong and suitable case or scabbard for transportation, or horse-packing, and that it should be perfectly sighted in at home, with the same kind of ammunition expected to be used on the hunt. Zeroing in at 200 yards is best for most hunters, for the greatest variety of circumstances. Up to that range, no hold-over is necessary, and it is easy to memorize the hold-over for 300 and 400 yards.

Many hunters will swear that their fine .30-06, .270, .280, .284, .264 Magnum, and .300 Savage rifles will kill any Alaska game. That is true. I can, similarly, kill most any game with a .38 Special. But not cleanly, consistently, and at normal game ranges, under the widely differing conditions common to Alaska hunting.



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GUN RACK

(Continued from page 14)

ponents, that is primers and wads prepared and at hand, it took us slightly over 30 seconds to make a round of ammunition; with increased experience it should be possible to reduce this time, although it seems that the time factor in loading shotshells is too often considered beyond its real value.

Primer Mike

One of the handiest items on our loading bench for precision handloading is the Primer Mike made by Zenith Enterprises, Route 1, Box 275G, Del Mar, Cal. The Primer Mike tells you immediately how deep your primer is seated in the primer pocket, and uniform primer seating is, of course, essential for accurate handloads. This is one of those small gadgets that have not received enough publicity and you have to be real lucky to find one handloader in ten who uses one. We have used ours for a number of months now and in working with a wildcat, found the Primer Mike indispensable when making up super-accurate handloads for this rifle which promises to be one of the most accurate guns we have ever fired.

More Pheasant Hunting

The National Shooting Sports Foundation, Inc., 1075 Post Road, Riverside, Conn., 06878, is now offering a booklet that is an ideal guide for groups of hunters who want

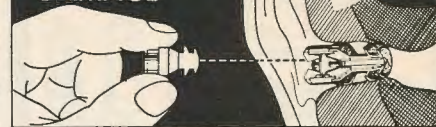
to start a small game preserve or do some in-season stocking of pheasants on their own land. You can get copies at 25¢ apiece directly from the Foundation. This is a well put together booklet, and if you are one of the many who are interested in stocking some of your own birds on your own or leased land, you can't do better than following the advice that is offered in this book.

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non-magnifying center reticle, change the power to whichever power you prefer to use at that moment, and see if you can hit the deer. As we see it, the only trouble is that most of us do not know accurately the actual height of the animals and it would be handy to have a list available that would tell you that a body of a whitetail is 18 inches, the antelope might be only 14 inches, while a bull elk might be 23 inches high.

New Nosler Bullet.

John Nosler of the famed Nosler Partition Bullet Co. Inc., Dept. G, Bend, Oregon, recently announced the addition of a 165 grain Spitzer soft point bullet in caliber .308. The test bullets we received showed the exceptionally high expansion that we have come to expect from Nosler bullets, and with our pet loads and our Griffin & Howe .30-06 sporter the gun grouped its usual 0.75 inches at 100 yards.

Savage Handloading Tools

We recently completed our tests on two new Savage products. One is a straight 8 loading press which is designed for loading metallic ammunition as well as swaging bullets. Savage calls this tool the Model 730; it is distinguished by its unique design where the base of the tool is mounted to the bench, while the frame part of the tool, which contains the cartridge case, can be rotated so that the tool can be used alternately with either the left or the right hand. The tool is of drop forged steel and appears to be of good design, which is based on the O-tool type. Our tests included standard loading procedures and bullet swaging. Savage also makes loading dies and also swaging conversion kits for this tool. Our tests indicate that the tool is strong enough for any type of work, although the narrow frame does limit accessibility to shell holder and case. Primer seating is positive, and we consider this a very good tool for the beginning hand-loader.

With the tool, we received a set of dies for caliber .243 and the venerable .30-06. We loaded 150 rounds for the .30-06 and 100 rounds with the .243 dies. Our tests proved that the dies were within permissible tolerances, and that both neck and full-length sizing was within normal limits. The dies are well finished and will in all probability give excellent service for years to come. With the dies came a swaging conversion set which gave us no trouble at all in setting up, and swaging operations were performed as easily on this tool as on our special swaging setups.

A completely new wrinkle in shotshell reloading is Savage's Model 630 shotshell press. Up to now the major concern of the reloader was how often he had to move the case from station to station before he could get a completed hull from his tool. With the new Savage press there is no such worry! You place the to-be-loaded hull into the shell holder and then rotate and index the tool head so that the appropriate die is directly above the hull that is being loaded. With the hull in the shell holder and in the sizing die, rotate the head of the tool so that the decapping unit is directly above the hull. By lowering the handle, the spent primer is ejected (and caught in a special primer catcher). A new

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primer is then put on the primer post and as the shell is lowered on it the primer is seated in the conventional manner. Then index the head of the tool with the powder and shot delivery tube above the hull you are loading.

Neither powder nor shot can be spilled easily from this tool, and the wad guide is placed over the hull that contains the powder. Wad pressure is positive, and is very easily adjusted for reloading any particular brand or type of shotshell. Throw the shot charge, index the tool head again. The next station is the star crimp station and the crimp which is completed by the Savage tool is a good one. The trick on station No. 3 is to exert enough pressure on the thumb guide of the spring die that it will be retained on the tool.

The Savage shotshell press Model 630 is a good, reliable tool for the handloader who does not require a great amount of ammunition loaded in the course of one evening.

Ithaca Model 66.

The Model 66 by Ithaca is a single shot, lever action shotgun available in 12 gauge only. The lever breaks the gun, makes it possible to remove the fired shell from the extractor. Cocking is manual by a prolonged hammer spur, but the half-cock safety feature is missing. Most of the action housing and the lever are aluminum castings, while barrel and some essential parts of the action are steel. Pistol grip on the stock is missing, and finish is non-glossy, wood is well-grained. In comparison with several other shotguns, the Model 66 is somewhat reduced in stock size making it uncomfortable to shoot for anyone who has longer than average arms. The full choke on the gun is a true full choke, but the sight, a brass bead, seems to be slightly off center. Consequently we had trouble hitting clay pigeons consistently; shooting with three other guns, we did break, on the average, 21 to 22 x 25, but with the Ithaca Model 66 our average slipped down to 12 x 25. Basically this is a beginner's gun or a trapper's gun, and as such should do very well, especially since it is priced below \$30.

Mack's Bullets

Howie Mack, of Mack's Shooters Supply, Box 225G, Pine Plains, New York, recently obtained special permit from Lakeville Arms to produce Harvey Jugular Jacketed bullets, and he promptly sent us some in .41 caliber. These were pre-production bullets and not all of them were 100 per cent perfect because jacket dies were not available when these bullets were made. The bullets shot surprisingly well in our S&W .41 Mag., and Howie plans to introduce .38, .44, and possibly also .45 bullets in the not too distant future. He will be glad to quote prices and shipping information to anybody who wants the information.

The new bullets coming from Mack's Shooters Supply—we just received a package and have not had a chance to load them at press time—look considerably better than the earlier lot and preliminary checking with a micrometer and our powder scale indicate that they are of the fine quality. We shall report the results of our loads in a forthcoming column.



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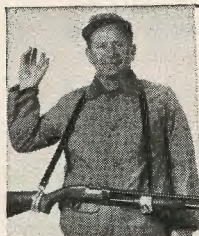
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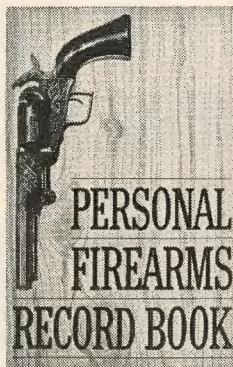
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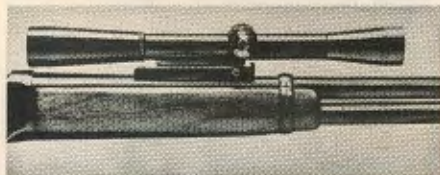
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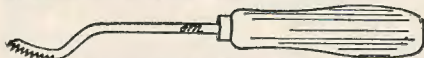
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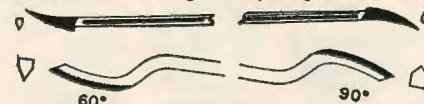
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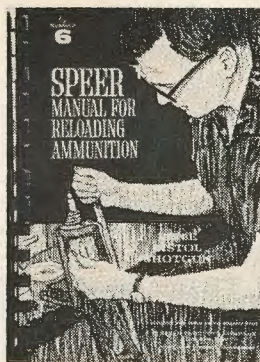
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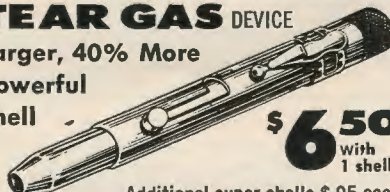
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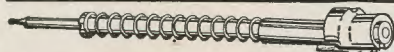
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GET YOUR PHEASANT

(Continued from page 29)

as hair on a dog's back. Since pheasants prefer to run until forced to fly, lazy hunters often don't get that job done. Failing to get their limits they scream loudly about the dearth of birds. Experience has shown that the big bulge in pheasant hunting comes during the first few weeks of the season when everyone, residents and visitors alike, goes afield. Since non-resident licenses are only good for ten consecutive days, many visitors have to work hard during the noon-to-dark legal shooting hours.

Later in the season, the legal bars are substantially lowered. Instead of starting at noon, hunters may begin at 9 A.M. They are also allowed an extra day's limit of four cocks in possession; raising their take-home limit from 20 to 24 birds. Finally, with the thick cover somewhat beaten down, by harvesting and other traffic, the birds tend to concentrate in the best of the remaining cover. That is the part of the hunting season when hunters can operate in parties of considerable size, with plenty of game available to anyone able to bring it down. The combination drawbacks to hunting then, according to some hunters, is that the birds are considerably wilder and close-in flushes are comparatively rare. They're also fully feathered, and thus stronger and faster on the wing, and require nimbler gun handling and hotter loads to bring them down.

Many of the more experienced hunters prefer that portion of the season. The birds are more concentrated, hence more easily located in the choicer coverts; a skilled shot can still drop doubles and even triples of hard-flying ringnecks which require solid hits to anchor them. It's more challenging sport, plus providing fully-matured birds which have gained an extra half pound of weight since the opening of the season. Multiplied over each hunter's bonus take-home limit that merely adds a dozen more pounds of delicious game eating.

All visitors, whenever they decide to come, should keep in mind that autumn is a very busy time of year for their landowner hosts. Though they may be the closest of friends, no hunter should expect such hosts to leave essential chores to help him hunt for his full limit.

Here are my recommendations to non-residents who want to enjoy the best pheasant hunting success and receive the heartiest welcomes:

1. Get the opening dates of the season from the Game Departments—for Nebraska at Lincoln, North Dakota at Bismarck, and South Dakota at Pierre—as soon as they are set, generally in June.

2. Get last year's map of the hunting areas daily bag limits and season durations, since this year's seasons are likely to be very similar. From these, tentatively select areas where last year's season ran at least three weeks, preferably longer. That indicates lots of adult brood stock.

3. Get in touch with the game managers of your two or three pre-selected hunting areas. Wardens can also be of help but, since each of them covers only a county or so, game managers have a better over-all picture of upcoming prospects, based on census returns from many sources.

4. Once you contact such a game manager ask him to let you know of any significant changes in the forthcoming supply of birds; drought, torrential rains, local hail storms, or other game-reducing mishaps. But don't expect him to waste a lot of time on you. He has his own chores to tend, including advising a lot of other potential hunters. Send him a self-addressed and stamped envelope with each inquiry. Finally, don't expect him to pinpoint the location of each tumble-weed behind which you might find a pheasant.

5. Have your prospective party organized so that only one of you acts as secretary to acquire all needed information. Almost any Westerner will answer a few letters, particularly if short answers will tell the story. The pre-hunting season weeks are very busy ones for game managers; don't take up too much of their time asking for duplicate answers when one will suffice.

6. Unless you plan to hunt leisurely, with daily bag and take-home limits as a minor consideration to the fellowship of the hunt, plan to hit the hunting territory from two to three weeks after seasons are opened.




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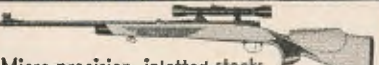


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In the case of South Dakota, time your arrival to hit the opening of the "bonus" part of the season, when legal hunting hours are extended and take-home limits are increased. For the same license monies, you can hunt longer hours, amidst birds that are concentrated into larger flocks, and from them take home more total birds; which translates into more fine game for later enjoyment at home.

You will arrive when the big demand for food, housing, and other services has eased. You won't have to scramble for a place to stay, or hunt, or stand in line for licenses or other essentials. With some easement of farm and ranch chores you will encounter far more cooperation to sweeten your hunt.

7. Don't buy your licenses until you're in your pre-chosen hunting territory. Licenses are sold on an unlimited basis so there's no danger of running short. But they may be legal for a limited time, not for the full duration of the hunting season. South Dakota's non-resident license, good for only 10 consecutive days, is a good example.

8. Be sure to check and comply with all regulations currently in force. Occasional changes are introduced from year to year and even from one area to another. Wardens won't check your heart to learn how pure it is or how honest your intentions.

Every year, each pheasant hunting area gains some enemies among its visitors, largely because they haven't taken the time to read and observe the legal regulations. It is a sorry mess, with the visitors paying for their inattention to current regulations. What was law last year doesn't necessarily apply this year; the wise hunter carefully checks all changes before he begins to hunt.

9. Dress, package, and freeze your birds at the end of each hunting day. Not only will prompt attention improve their flavor but, in some cases, the regulations require they be cared for, and tagged, the same day they were shot. If proof of sex is required—usually the inclusion of unskinned heads or body plumage, a disgusting regulation if I ever met one—comply with that law by sacking individual birds in plastic bags to permit easy visual examination. Failure to comply can result in arrest, fine and confiscation, to ruin your trip completely.

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This is a revised and somewhat enlarged
(Continued on page 73)



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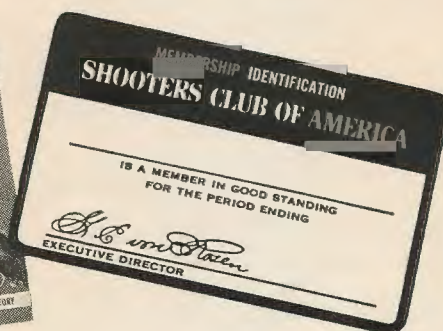
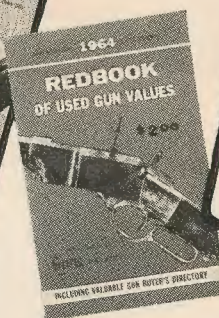
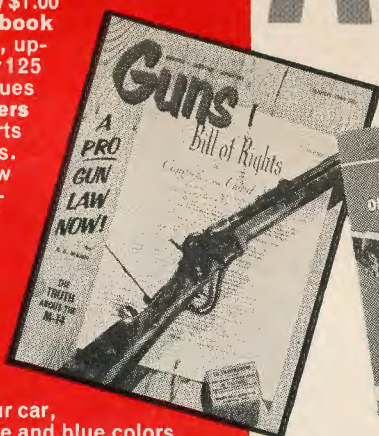
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Who says Remington plastic shells are the most powerful you can buy?



Leo Bandoni, San Francisco, Calif.

66 The best-performing shells I've ever used—at all ranges. 99



Allen W. Warren, Minneapolis, Minn.

66 The most powerful game loads I've ever shot. And the waterproof body is a great bonus. 99



Don A. Dianda, Hillsborough, Calif.

66 Plenty of power—excellent patterns. They're the only shells to use. 99



F. S. (Red) Hawkins, Dallas, Texas

66 Remington shells have performed best—with cleaner hits and fewer cripples... more power. 99



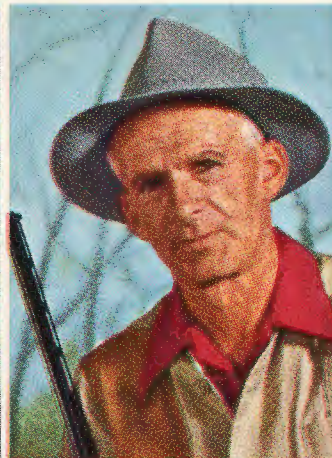
J. H. Sargent, Jr., St. Louis Park, Minn.

66 They give me the distance I need for those shots that are just barely within range. 99



Andrew Kleeber, Glenshaw, Pa.

66 They're everything I want in a shell—more power and better patterns. 99



A. G. Schuehle, Roselle, Illinois

66 Terrific range—the kind of patterns you can't miss with. 99



B. L. Williams, Shaker Heights, Ohio

66 Their knockdown range is fantastic. I use 'em all the time. 99

You do!

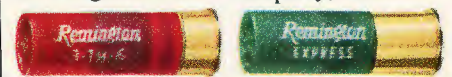
The quotes above are typical of the enthusiastic comments we continually receive about Remington plastic shells. And frankly, we're not too surprised.

We've known about the performance advantages of Remington "Express" and "Shur-Shot" plastic shells ever since the beginning. How they seal powder gas so perfectly, give more power, better patterns. That they keep 100% of their factory-fresh power...

even from one season to the next. That they're waterproof and scuff-proof. Feed slick and smooth. Can't swell or split, regardless of hunting conditions. (You should see the pile of unsolicited comments we have about that!)

We first said it in 1960. Four years and hundreds of millions of plastic shells later, we still say it: Remington plastic shells are the most powerful

you can buy. Write for free Guns and Ammunition catalog to Dept. RH-10, Remington Arms Company, Inc.



Remington DU PONT

"Shur-Shot" is Reg. U.S. Pat. Off., "Express" is a trademark of Remington Arms Company, Inc., Bridgeport, Conn. 06602. In Canada: Remington Arms of Canada Limited, 36 Queen Elizabeth Blvd., Toronto, Ont.



“Our man in Africa” meets the most coveted new rifle in America.

David Ommanney inspects the latest in a proud line, the Winchester Model 94 Antique.

There's an old saying that deer hunters are divided into two groups: those who have a Winchester Model 94, and those who wish they did. As of now they're amending that statement to include the handsome new Model 94 Antique.

We don't claim to have improved the shooting. Generations of deer hunters will tell you it's the one rifle they like the way it is. (More deer have been taken with a Model 94 than any other sporting rifle.) But

we did doll it up a bit.

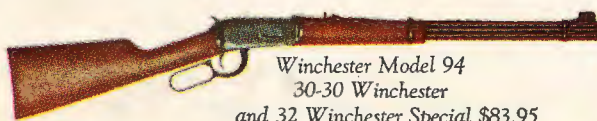
Without being fancy, we think the new Model 94 Antique is the best looking rifle ever made. It's the one extra-grade rifle you can carry without feeling like a dude.

The Antique is better looking in three ways. The receiver is color-case hardened and has a classic engraver's scroll on it. There's a new brass-plated loading gate. And on the other side, a husky saddle ring. (It's meant to be used, too.) That's

six dollars' worth of custom look in any man's language.

The Model 94 Antique didn't come off the line in time to have David Ommanney test one in Africa. So we did the next best thing and had him come to the States and try it here.

After a day's shooting with it, he said, “Everything I've heard about the Model 94 is true. Its lever action is the smoothest I've ever worked. Its accuracy is really remarkable. A great rifle.”



Winchester Model 94
30-30 Winchester
and 32 Winchester Special \$83.95



Winchester Model 94 Antique
30-30 Winchester only
\$89.95

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WINCHESTER-WESTERN DIVISION **Olin**