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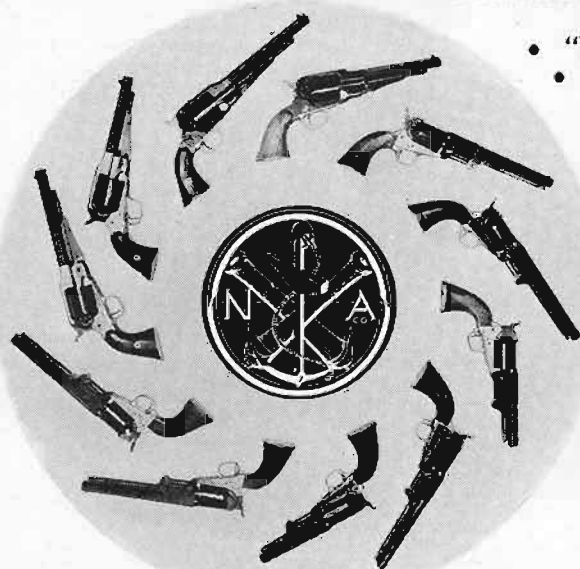
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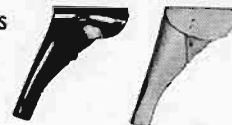
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Hon. F. Ray Keyser, Jr.
Governor of Vermont

WE IN VERMONT have always been jealous of our right to bear arms. I have no reason to expect that this philosophy will be marred by legislation.

Hon. Terry Sanford
Governor of North Carolina

As one of the thirteen original colonies, North Carolina maintains the moral and legal concept that the right to keep and bear sporting arms is one of the fundamental privileges granted by our American Democracy.

This privilege should be infringed upon only when deemed necessary, through the will of the people in a democratic action, to insure public safety or to prescribe the manner of taking game. We do not anticipate any legislation abrogating these premises.

Hon. Elmer L. Andersen
Governor of Minnesota

Legislation impinging on the right to bear arms has from time to time been introduced in our legislature. To my knowledge these bills have met with little or no success.

No legislation of this character has yet been introduced in the present session of the legislature, nor do I have any knowledge of any likelihood of this happening. In the event of the introduction of any bill of this nature, I have every confidence that the legislators will recognize it if it is to be of a nuisance character, and dispose of it accordingly.

I do not propose to change the traditional stand of the State of Minnesota on this type of legislation.

Hon. Farris Bryant
Governor of Florida

I feel that the freedom of the public to keep and bear arms should never be infringed, but that every effort should be made consistent with that freedom to prevent the free access to arms of hoodlums. In Florida, the Governor has no authority to issue permits to carry weapons. This power is vested by Fla. Stat. Sec. 790.06 in the Boards of County Commissioners of the various counties of the State. I refer you to Chapter 790 of the Florida Statutes which deals with weapons and firearms. I know that your publication is read by many Floridians who enjoy the firearms sports and I take this opportunity to send my best wishes to you and GUNS Magazine.

Mitchell Tendler, Executive Secretary
Office of the Governor, State of Michigan

Please be advised that Art. II, Sec. 5, Michigan Constitution of 1908 is a reenactment of the Federal provision. The Michigan Supreme Court has stated that the question of bearing arms is one which is within the purview of the police power of the state, and, therefore, the legislature has the authority to prescribe the rules within which the constitutional right to bear arms must be exercised.

The only restriction upon the legislature's exercise of the public power is that same must be reasonable, and the Governor believes that generally speaking the test of reasonableness is met in our laws presently governing the use and possession of firearms.

Hon. Matthew E. Welsh
Governor of Indiana

The right of citizens of Indiana to keep and bear arms is not infringed upon except to the degree necessary to guard the general public interest and safety. It is my personal belief that a people familiar with firearms and able to use them effectively are stronger and can more quickly rally to a national emergency.

But quite apart from the military aspects of firearms, the State of Indiana encourages good sportsmanship and the careful use of firearms through an extensive conservation program including liberal laws and excellent hunting areas.

"Know Your Lawmakers" has been a featured department in all but a few issues of GUNS since November, 1959. No department has brought us more favorable comment from readers, and many Lawmakers have commented (sometimes ruefully) upon the effect these published statements have had on their mail. We have covered the field; the only Lawmakers not quoted are those who failed to answer our inquiries. Lawmakers ends with this issue. It may be brought to life again, later.

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 Capitol, name of capital city, name of State.

Guns

FINEST IN THE FIREARMS FIELD

FEBRUARY, 1962

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George E. von Rosen
Publisher

Arthur S. Arkush
Ass't to the Publisher



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R. A. Steindler.....Managing Editor
Wm. B. Edwards...Technical Consultant
Kent BellahHandloading
Roslyn Wallis.....Editorial Ass't

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THE COVER

One of the guns that refused to die was the Griswold & Grier revolver, shown for comparison alongside its modern cousin, a Navy Arms Company "Reb." The new gun is a faithful reproduction of the old, made to be shot by black-powder addicts who would be reluctant to risk firing or field damage to an original. Picture is by George N. Hebert, author of story on page 18.

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W. B. Edwards, 843 Judson Ave., Evanston, Ill., Kent Bellah, St. Jo, Texas.

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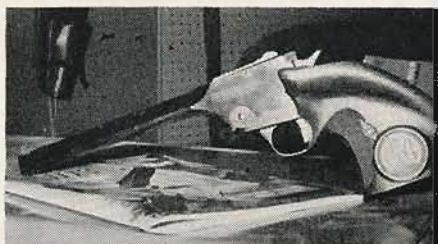
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TRAIL AND TARGET

SOMEONE ONCE said that "more misinformation, damn' foolishness, and damn' lies have been written, told, and generally believed about guns than about any other subject on earth—except sex." Some of it has been born of ignorance; some of it is preached by people who should know better; some of it, sadly, is broadcast by people who do know better but say what will sell best. And some of it comes from just good, honest differences of opinion. These last are fine. Differences of opinion never hurt anyone. Oh, they may have caused some black eyes and bloody noses and fat lips, but if they're honest opinions, based on experience, and reasonably argued, we can all learn from them.



H&R single shot customized gun was chosen for sight radius experiment.

There'll be differences of opinions in this column, and about it. But they'll be honest opinions, based on experience, and I hope they'll be reasonably argued.

Speaking of arguments, one of the older ones has to do with the benefits to be gained by long sight radius on a pistol. "Longer sight radius, better accuracy" is an axiom, the general acceptance of which is proved by the fact that NRA rules of target competition place limits on the distance allowable between sights: 7" for the .45 caliber automatic in Service matches, "as issued" on the Service revolver, 10" on all guns in non-service matches. The acceptance of the axiom is further proved by the general use of the longest possible sight radius on Free pistols, where no rule restricts it. Here, in some cases, tang sights carry the rear sight well back over the shooter's wrist.

Years ago, a friend and I decided to put this axiom to proof. I was then shooting high Expert in competition; he was a Master. We chose a Harrington & Richardson .22 single shot U.S.R.A. model for the experiment because its high solid rib permitted us to mill a groove in which the front sight could be shifted back in notches set an inch apart, reducing the sight radius. (See photo.)

We set up the shooting as follows. Each of us would fire 50 shots from this pistol at a given sight radius on a given day, plus at least 20 shots the same day from our respective .22 caliber competition pistols. The groups from our own match guns were to serve as "control" yardsticks, to show how

well we were actually holding on a given day. With seven notches in the H&R's rib, we did this on seven separate days: 350 shots each with the test pistol, or a total of 700 shots.

The results have caused us a lot of amusement. We "proved" (to our own satisfaction at least) that the "longer sight radius, better accuracy" axiom is, shall we say, open to a lot of question. We both shot better average scores with the pistol to which we were accustomed, but this we had expected. The widest margin in favor of the rule-restricted guns was, in both cases, on the days when the sight radius on the test pistol was longest.

My best score with the test pistol occurred when its sight radius was at four inches—less than half that of my match auto. His best score with the test pistol occurred when the sights were five inches apart—on the day he got his lowest score with his match auto!

Our scores with the test pistol during the days when its sights were furthest apart were held low by "fliers." Quite often, four-shot groups with the test pistol would be smaller than any group fired that day with the match gun; but the group from the test gun would be wrecked by one wide one. This tendency to throw one shot wide in each otherwise well-held group continued until the sights on the test pistol came back to seven inches.

Our deductions? Well, we deduced that you can always shoot best with the gun you've shot most; and we deduced that we, at least, might hold closer part of the time with longer sight radius but that we threw the wide ones much wider with "long" sights than with "short" ones.

A waste of ammunition? Well, maybe. But it convinced us, at least, that what you're told as gospel, and what looks logical, or even what can be "proved" in theory, "ain't necessarily so" in practice; leastways, not with a pistol, which is a cantankerous piece of machinery at best.

Major Trap Shoot

Plans are underway for one of the nation's largest trap shoot, to be held in the Los Angeles Coliseum over a 10-day period next March 2-11, in conjunction with the Third Annual International Sports, Vacation and Travel Show.

Trap shooting played an important part in the first two shows, with some of the west's top shooters giving exhibitions on the special range put in for the event in the Olympic Swim Stadium.

In addition to shooting, there will be exhibits by leading manufacturers of guns and gun products, and such institutional displays as those of the National Rifle Association and Ducks Unlimited.

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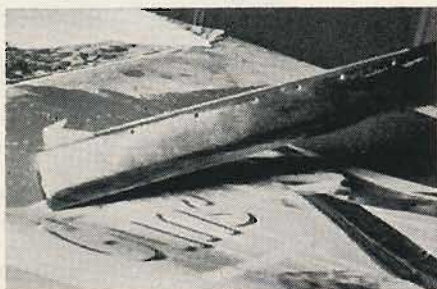


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"Free" pistols were getting a lot of attention at that time, and a lot of people were talking also about the lack of restriction on weight of trigger pull. NRA rules require a two-pound trigger on match .22 pistols, whereas the "Free" pistol for International competition has no trigger restriction. It can be so light that you can blow it off with your breath, if that's the way you like it. A lot of the pistolmen were quoting the old Schuetzen riflemen about the advantages of the set hair trigger, so we decided to test that also.

We set the sights on the test pistol back to ten inches, to match our more familiar automatics, and we set a gunsmith to work on



High solid rib allowed milling of groove with sight notches 1" apart. the H&R trigger. It had pulled just over two pounds in our previous tests, the same as our match pistols. Now we cut it to one pound—and then by gradual reductions to 12, 10, 8, 6, and finally 4 ounces. At that point, our gunsmith refused to play.

So—what are the advantages of a set or hair trigger? We set the same shooting program: 50 shots each with the test gun at each trigger setting, and 20 shots each on the same day with the "control" pistol.

Again, our scores with our match guns were higher throughout the test than our scores with the test pistol. Our scores with the test pistol were best while the trigger weight was highest and most nearly approximating the pull to which we were accustomed. This bore out our first previous deduction, that you shoot best with the gun you shoot most.

But—our scores with the test pistol showed the same factor shown in the sight test: a tendency to be wrecked by fliers. This grew worse as the trigger got lighter. We would both shoot lovely three- or four-shot groups, ruined by one or two wide ones. The wide ones were not necessarily the last shots fired; if so, they might have been due to pressure induced by seeing a tight group form. Instead, they might occur anywhere in the string. And we both admitted that the tendency to "freeze on the trigger"—that strange mental paralysis of being unable to add that last wee pressure needed to touch off the shot—became greater and greater as the trigger weight grew lighter.

Negative proofs? Yes. But negatives can be positive if they take your mind off what "ain't" and turn your effort on what "is." Sight and trigger are the two most important factors in handgun accuracy. But it is sight picture that is important, not sight radius; and it is trigger control that produces tight groups, not trigger weight.

This doesn't mean that you can shoot equally well with a snub-nosed revolver as with a long barrelled target special, or that you can shoot equally well with a rough trigger as well as a finely honed one. Extra barrel weight produces steadier hold, gives

you a better sight picture with the target gun; and only a smooth, crisp trigger permits perfect trigger control.

But the point I make is, don't waste time on unproven theories. Given a good, well balanced gun with a clean trigger, shoot it. Don't fret because the distance between sights is a shade less than it might be, or because the trigger weight is a couple of ounces above the legal limit. (A good half pound above the legal limit is better; the trigger that barely pulls the weight today may not pull it tomorrow, and can thus spoil a match for you.) Concentrate on the mechanism *behind* the grip, not on the mechanism in front of it. There's far more room for improvement in any shooter than there is in any reasonably good gun!

And don't take anybody's word as "gospel"—not even mine.

I'm reminded of an article recently published by a handgun expert (and he is an expert). He stressed perfect stance as an essential to handgun accuracy. There was a picture of a man with his body tilted back of the vertical, and the caption said, "No man can shoot well with his body bent backward." I think the writer forgot a man we both know, who beat us all on many occasions, whose stance was bent so much further backward than that of the man in the picture that comparison would be laughable. That man had such a big belly that he had to lean back to balance it's weight. His stance was far from classic, but nobody laughed at his targets!

That's where the story is written—on the targets. And what is written there is fact, not theory.

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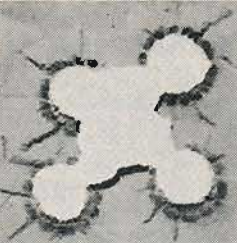
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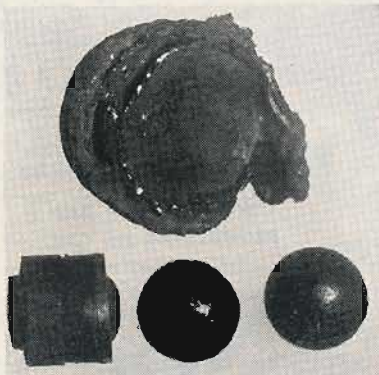
By KENT BELLAH



Shooters Service, Inc.

MASON WILLIAMS, of Shooters Service, Inc., Clinton Corners, N. Y., has played with guns since he was small fry. As a banker, he put some zing in an otherwise dull occupation by testing arms, ammo and load development for fun and profit as a sideline. He decided banking was for the birds, or birds who liked banking, and decided to stay with more interesting work. Thus was Shooters Service born. James Schulhoff, a good friend, had similar views. Jim came into the firm, that is now a going concern.

Mace, a friend of Jim Harvey, had made and played with Harvey bullets since they made a major break-through in using pure, unalloyed lead to deliver more shocking power. Mace and I worked with Harvey's Prot-X-bore and Jugular Jacketed bullets while they were in the experimental stage. Our lab and field tests were identical.



Prot-X-bore wadcutter and two 00 buckshots fuse to form one slug.

Jugulars, "The Most Deadly Bullets," have become justly popular since they hit the market in 1956. Guns had the first national news on these deadly pills in my article in the May, 1956 issue. It swamped Harvey's Lakeville Arms with orders, starting the business with a bang. Jugulars are now the most widely imitated modern handgun bullets, and so are swaging dies of this type.

To improve distribution, Harvey licensed Shooters Service to make both designs. They, along with Lakeville Arms, sell to consumers, police and dealers. S.S. sells their "Manstopper" cartridge to police departments with a comparison demonstration. Mace shoots a grapefruit with a service load and another with a Manstopper. The fruit salad the latter makes is far more impressive than paper ballistics. Other tests are shooting truck tires, steel plates, or anything the police suggest. The deadly Jugulars always win, of course. The Hi-V S.S. "Gamestopper" loads are popular with hunters.

Multi-ball loads are old hat. Past efforts to make good ones were mediocre. S.S. has new "Buck-O" loads that are the most efficient I've used. Breaking down one I found a 82 gr. Prot-X-bore wadcutter ahead of two 00 buckshot. The 5 grs. of powder in a .38 Special case looked like Unique. (Powder can not be identified by looks.) Designed for police, they give a 3-slug pattern to aid making hits under unfavorable conditions.

Fired in moist sand at close range, the "Triple Jeopardy" slugs fuse together, expanding to caliber .60. Imagine the punch of 193 grains of soft, expanding lead! At 25 feet they stay in a 14" circle, and at 25 yards in 24". They can inflict a severe wound beyond 50 yards, but velocity falls off rapidly at longer range. This makes them safer for street or alley shooting. A dinky .38 revolver packs as many slugs as a 12 gauge double barrel shotgun loaded with 00 Buck! You have 18 chances to make a hit. Buck-O's work well in all barrels from 2" up. I believe the secret of efficiency is the potent Prot-X-bore. Makes a neat load for walking up jacks, and trying running shots.

Revolver shot cartridges are the safest loads in settled areas, teaching fast, efficient gun handling quickly. It's easy to blast tin cans in the air, then graduate to bullet loads. You'll learn to bag small running or flying game. Factories used to supply these in several calibers. S.S. went to work, determined to develop better loads for rifled guns. They succeeded very well indeed.

For .38 Specials they use 5.6 grains Unique, with gas checks skirt up, for over powder wads. A bit of powdered wax, the type used in chocolate candy, is added for lube, followed by 100 grains No. 7½ shot, topped with a zinc base, and well crimped. Use 117 grains shot in .357 hulls with the same charge.

Gas checks are not so good in big bores. Use about ¼" lubed felt wads with the same technique. A .45 ACP or AR takes 5.6 grains Unique with 101 grains shot. A .44 Special 7.5 grain Unique and 103 grains shot. A .44 Magnum with the same charge takes 165 grains shot. A .45 (Long) Colt, most efficient of all, uses 7.5 grains Unique and 92 grains shot. You many need to adjust the loads a bit with your components and technique. Loads are practical at longer range than you think. The secret is the zinc base over shot wad.

The .45 ACP-AR load patterns better at 21 feet than some M15 (survival) ammo headstamped RA 4 (Remington, 1944) that I have. They use ⅛" over powder wads, and 150 grains shot in a long 1.250" case, and a thin over shot card wad. The 4.5 grains

powder is Bullseye. Patterns are quite erratic, with less than half the charge in a 28" circle at 21 feet.

S.S. designed excellent new targets for glassed rifles. They have 5 heavy black diamonds with white centers on non-glare paper. You can neatly section the diamonds with crosshairs at 100 or 200 yards, for uniform aim from shot to shot. We like these very much. Retail prices are \$3.75 per 100, or 12 for \$1.00.

Mace designed a short bearing surface 270 grain Jugular for .44 Magnums. It shoots beautifully with 21.5 grains 2400 and CCI primers, for 1260 fps and 950 ft. lbs. muzzle energy. If recoil is too severe, you lose only 100 fps with 19.2 grains, and still have a potent big game load. You can use the latter with CCI Magnum primers, and get more complete burning.

A 220 grain JJ H.P. is my choice for "everything" in the Big Maggie. Dr. J. Leonidas Arguello, of San Salvador, says it's "just the medicine" for very large crocodiles, when loaded with 26 grains 2400. He says huge crocs require the maximum punch from a revolver, and this is it. A gent in East Africa uses a .44 Magnum caliber carbine with custom S.S. loads. Mace loads heavy .429 Maglaska wildcat rifle bullets for maximum penetration on large game. They work beautifully in the light, fast-handling, fast-shooting carbine. Bullets and custom loads are shipped to many foreign countries, and all 50 states.

Mace favors a 156 grain JJ with 16.5 to 18 grains 2400 and CCI primers in .357 Magnums. For greater tissue destruction I prefer a 127 grain JJ H.P. with 17.5 grains 2400 and CCI Magnum primers. Up to 19.3 grains of 2400 can be used with standard primers, but the Magnums give better ignition. With a 220 grain JJ H.P. in a .44 Magnum I've settled on 23 grains 2400 with CCI Magnum No. 350 primers as adequate, but the charge is not quite full throttle.

Mace designed a 127 grain JJ for the Luger and similar 9mm pistols. The 5.5 grains Unique give 1061 fps in a 4" barrel. Velocity is slightly faster than Remington factory loads, plus the tremendous advantage of soft, expanding bullets. The actual shock is far more than factory service .38 Specials, and nearly equal to JJ reloads. Shooters Service will long be loved by 9mm pistol fans.

W-W Ball Powders

As everyone knows, the great firm of Winchester-Western recently brought out some of their excellent ball powders for the canister trade. Ball powders are not new, of course; the factory has used it by the train load since they developed it in 1933. It proved excellent for nearly everything from pip-squeak small arms ammo to huge artillery rounds. "Ball" doesn't mean anything, except to indicate a type of powder made by a different process.

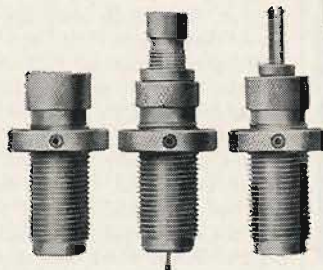
It can be made in more varieties than Heinz makes soup, and to meet specific requirements of any metallic or shotshell ammo. You can't identify the different types by inspection. Some that look alike have a different burning rate. Some types are tiny balls, and some are flattened like "flake" powders. Most types contain nitroglycerin, but both single and double base types are made.

(Continued on page 63)



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CROSSFIRE

Dear Senator

The following is a letter which has been mailed to Senator Pell of Rhode Island:

I have read your statement to a national gun magazine concerning the right to keep and bear arms. After considering the matter carefully, I am offering my wholehearted support. Admittedly guns are dangerous, because they might fall into the hands of children or criminals. Following this line of thought, I feel we should advocate the abolishment of axes, drain-cleaners, and automobiles.

Axes are deadly weapons. Drain-cleaners should be banned because their caustic action can do terrible things to human flesh. And the automobile, Senator, it is an instrument of death which has no equal. There is a strong possibility, too, that the cars you and I drive might be stolen and used in the commission of a crime.

Since the abolishment of all potentially dangerous or criminal things is our goal, I am having my automobile destroyed and sold for scrap. I would suggest that you, sir, as a leader of the abolishment movement, should set an example by doing the same.

Ralland Fortier
Flint, Michigan

Bouquet

I like to give credit where credit is due, and yours is long overdue. GUNS is the best straight guns magazine I've seen. The wide range of articles which appear each month shows great versatility. Of course some don't interest me, but I always seem to read them anyway. I've been most pleased with your stories of military weapons and home defense, and also your fight against anti-gun laws.

I particularly like Bert Popowski's articles, and the new gun tests, with hand loading and all. This is a great magazine, and more power to you in the future. Keep up the good standards you've achieved.

Dan Burkhardt
Richmond, Indiana

Brickbat

My subscription to your magazine started about the time the magazine came out. I expect it to end when my present subscription expires. The cause for this is your editorial in the December issue.

As you well know, or should if you don't, various arms of the Government have tried for years to take the citizen's firearms away from him, and failing this, to nibble away at his rights to own, use, buy, and sell arms. When they couldn't make them illegal they have tried and are trying to make their possession and use more and more difficult, little

by little, in any way they can and under any pretext however absurd and mendacious. This last effort is just such another enterprise.

This time it is made upon the spacious and spurious grounds that it will help prevent juvenile delinquency. You well know, or should if you don't, that this is simon pure hog-wash. It is the ostensible reason, not the real reason. The real reason is the same old sinister purpose of the anti-gun people. Is this all too complicated for you? The shooters are your bread and butter, and you should owe whatever fealty you have to them. (Instead) you not only seem to give the effort your blessing, even though slightly qualified or "weaseled," but you seem to even grovel in abject subservience. . . . How sycophantic and abject can you get?

George W. Courtney
Saratoga, Calif.

Not very sycophantic, Mr. Courtney, and not very abject—as readers who have followed our fight against gun legislation well know. The men who gathered to discuss this Bill represented most of the major gun interests of America, directly or indirectly. They thought the procedure of discussing the matter with them first was commendable. They thought the results were relatively harmless, even possibly beneficial, though certainly not curative. But perhaps they lacked your wisdom.—Editor.

A Gun Could Save Your Life

It was certainly refreshing to read such an honest and factual article, as "A Gun Could Save Your Life," by Mr. Tom Newburgh. I bought and distributed six copies. Mr. Newburgh is the type of man I would like to have as a neighbor.

Mr. Newburgh might be interested in learning that the Richmond papers in 1960 reported 118 brutal killings; the pistol was used in only six. There were 416 cases of vicious assault, all requiring hospitalization—some victims maimed for life, and the pistol was not used in any of these.

Thank you for the article and for a generally fine magazine.

Herbert S. Cheatham
Richmond, Virginia

Congratulations on the article, "Today, A Gun Could Save Your Life!" I think this is one of the best articles you have had in a long time. This is one of the few articles of its type which the ordinary guy can understand without any trouble. Many of these articles, while aimed at the ordinary guy, can only be figured out by a real gunbug. This feature tells the man with the war souvenir how to use it, but it leaves out the fancy parts about magnums and the like.

Then to sum it all up, author Newburgh tells a few of his experiences with guns and combat.

While on this subject, I would like to add that the follow-up feature, "The Gun You Hope You Never Need," was even better than Newburgh's. I have always liked Bill Toney, and I think this is one of his best works.

Keep up the good work. I have been reading your magazine for a good number of years, and I feel it is one of the best ones going. I hope you will continue to fight the anti-gun movement just as strongly as ever.

Wesley F. Tree
Freeport, N.Y.

And, Finally

That was a very fine article in your September '61 issue, by Tom Newburgh, Chicago Detective. Short, concise, to the point, and oh! so true. But—

Assuming that we Chicago citizens could buy a hand gun legally, which we cannot, Mr. Newburgh certainly knows that it is absolutely impossible for the ordinary citizen to obtain a permit to carry one. Even keep it in our home or place of business requires the gun be registered with the police. Since it is illegal to buy a hand gun or have one in Chicago, this means questions and more questions. You are finger printed and your police record checked, and you better not have more than a minor traffic violation against you, or your gun is confiscated.

Let's say we get a gun and register it but can't get a permit to carry it. Will Mr. Newburgh please tell us how to legally transport that gun to a gravel pit or range as he advises? You commit a minor traffic violation on the way and the arresting officer decides to search you and your car, and brother, you are in trouble. Twenty-four hours in the pokey at least, while they investigate you and the gun; a very good possibility of a stiff fine in court, which gives you a police record, which bars you from ever legally owning a gun in Chicago.

Will Mr. Newburgh please straighten us out on some of these points?

I belong to two gun clubs and own three shotguns and seven rifles and five hand guns, but I keep the hand guns at a relative's house outside of Chicago and make sure I go through no part of the city in getting to and from the ranges.

As for taking the gun to a gravel pit to shoot, better not or you will have the State police or County police or Sheriff's police on your neck, which means about the same amount of trouble as if you were caught with a hand gun in the city.

Please tell Mr. Newburgh I know there are lots of unregistered hand guns in Chicago. I also know lots of them are transported from place to place without a permit to carry. But it is illegal. Tell us how to do it legally.

Name and Address Withheld
By writer's request

The Writer Replies

First, you do not need a permit to purchase a hand gun in most parts of Illinois; you must have a permit to purchase one within Chicago's city limits. It is admittedly difficult (if not impossible) for anyone other than a law enforcement officer to obtain a permit to buy a hand gun in Chicago. Permits to carry are not issued at all.

You can buy a hand gun without a permit within five minutes drive of Chicago. According to Illinois law, the dealer must report every hand gun sale to police. The avowed purpose of this law is to keep a record of guns lost or stolen and to locate guns which have been used in crimes.

There is no law in Illinois which requires the owner of a hand gun to register it with police. Many persons own hand guns which are not registered. The decision to register or not to register is strictly up to the owner.

Transporting a gun in your car is not too much of a problem. The law states that "No person shall carry in a motor vehicle any firearm with the intent (note the word "intent") to use the same in the commission of a crime." The law also states that "No person shall carry on or about his person a pistol, revolver, or other firearm." The courts have construed this to mean that a hand gun carried in a car should be unloaded, in the locked glove compartment or trunk, and in a case. (This does not make it very useful for defense, but that's the law. It does permit transport of the gun to a range or place of practice.)

As for a place to practice with a hand gun, there are many ranges and clubs in the Chicago area; the National Rifle Association can put you in touch with them. If you prefer to practice out in the open, you need only follow the same procedure you would follow in seeking a place to hunt: get permission from the land-owner, and be careful. Fail to do this and you may find that the hillside or gravel pit you have selected is inside a town limit or that the owner has instructed local police to prevent trespass.

Finally, the closing section of the Illinois criminal code relating to deadly weapons reads: "The provisions of this act shall never be construed as depriving any citizen of the right to keep in his home or place of business any firearm reasonably necessary for the protection thereof."

"Tom Newburgh"
Chicago, Illinois

Marine Corps Comment

In William B. Edwards' article on "Guns That Wait Around Berlin" there is a picture of an army PFC behind a Browning A6 machine gun with the flash hider full of snow! Just because I'm in the Marine Corps doesn't mean I'm prejudiced toward the 9th Infantry Division, but somebody should inform the "combat ready" 9th that their flash hider is full of snow. I've always heard the army had M-1 thumbs but I didn't know they wanted A6 faces. Is this how they spend our tax dollars or are they camouflaging the gun?

Could also donate a button for the PFC's field jacket which is unserviceable in its present condition.

The men in the barracks are willing to bet you don't have enough nerve to print this letter. But since I am a constant reader and supporter of your magazine I know you will.

Combat-ready weapons Platoon
Fox Company, 2 Bn., 8th Marines
Camp Lejeune, N. C.

Not a Hickok Gun

The article in November GUNS by Lilian Brooks about her Smith & Wesson No. 2 revolver reminded me that I have one of these guns. I traded Indian gear for it many years ago.

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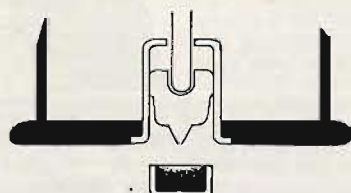
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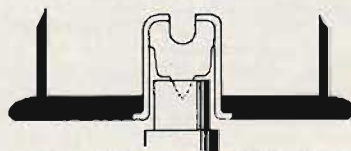
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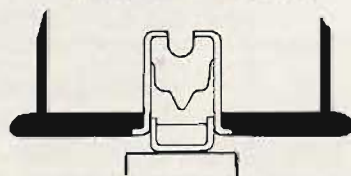
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Mine is a beautiful gun, perfectly balanced and, like all S&W guns, well made. Mine is definitely not a Hickok gun; it is in perfect condition and surely has never been subjected to any hard use—or much use of any kind, judging by the look of it. It's serial number is 25388 on butt plate and inside the rosewood grips. "S&W Springfield, Mass." is stamped on top of the barrel, and on the cylinder is "Pat. Apr. 3, 1855—July 5, 1859—Dec. 8, 1860." The number 76 appears on the end of the cylinder and also on the breech. Overall length is 10 inches.

I look forward each month to my copy of GUNS, to which I have subscribed for a long time. I wish you continued success.

R. Horace Grigg
Philadelphia, Pa.

Guns Destroyed

The article, "Your Guns Are Being Destroyed," should be brought to the attention of every Senator and Representative in Washington, and also to the desk of President Kennedy.

I have only a few cheap guns because I can afford no others, being only a worker with low take-home pay. The kind of waste described in the article leaves me sick. If guns of Armed Forces surplus were released for sale to civilians like myself, who would be only too glad to buy them, we would all benefit. I would like to have one or two good handguns for home defense and hunting, but can't afford to buy what I want.

I am a cartridge collector and, in a little over four years, have built up a collection of 1400 specimens. But I will stop collecting soon, as I am expecting a new "tax deduction" in February and won't have even the small change I have occasionally paid for cartridges.

F. E. Rowe
Endicott, New York

Thanks to you and to William B. Edwards for the expose of the shameful destruction of United States Property, and the waste of the taxpayers money. This article will, I pray, arouse the ire of the citizens that appreciate the value of firearms; but I have another question to ask: Who gave the orders that these weapons be destroyed?

It has been well known for years that Communists and Communist sympathizers want America disarmed. Could it be that the next step is the registration of all firearms, so that it will be easier for the eventual usurpers to disarm the citizens?

Howard L. Chapman, D.S.C.
Shreveport, La.

"Your Guns Are Being Destroyed" gave me a sick feeling in the pit of my stomach. Such waste and foolishness! I keep asking myself why.

I don't know why, so I mailed your magazine to my representative in Washington. By reading the article, he will be able to understand it much better than I could explain it to him.

Anthony J. Muratore
N. Tonawanda, N.Y.

Suggestion For Survival

I just read your article in the December issue, "Your Guns Are Being Destroyed." Instead of smashing guns, why doesn't our government make use of them by setting up

centers where we civilians, men and women, could go and train, to defend our country if needed, and to survive if our section was flattened and we had to live on what nature could give us? After training us, then give us the guns, either free or at the price the government would get for them as scrap. I think Khrushchev wouldn't think then that we were a soft nation.

I am a woman, not interested in hunting, but I would like to know how to shoot, to defend myself and my country, and to survive if there were no more stores to buy from. Personally, I'd like to have a hand gun and a rifle for such an emergency.

Orveta L. Lewis
Pittsburgh, Penna.

Those .30-30s

My hearty thanks to you for your long overdue article on that old standby, the .30-30, in your November issue.

I have at present two of the "Great thutty-thutty's," which have served me long, hard, and faithfully on my home hunting range near Lander, Wyoming. My saddle gun is a Model 94 Winchester with iron sights while the other is an ancient take-down suitcase model Winchester of questionable ancestry. Our collection also includes several fine high-power sporters which often collect dust because I just can't seem to put down that old "thutty-thutty."

P. A. Kriebble
San Francisco, Calif.

Viva the .44 Auto Rim!

Although the major ammunition manufacturers have already decided to discontinue the .45 auto rim cartridge, I'd still like to put in a word for what I consider the best all-around pistol load available.

For my money, the .45 auto rim is the most accurate, easiest shooting package that can be put into a revolver, far superior to the highly touted .44 Special. The .45 auto rim produces less recoil and therefore less disturbance of aim for the next shot, and with its greater muzzle energy and larger bore it is more effective for police use or self protection than the .44 Special. In fact, it is the best of the normal-velocity factory loads; and its longer case allows more latitude in concocting new loads.

More shooters should try out the .45 auto rim. Given half a chance, it can sell itself. Perhaps some one should design a couple of new revolvers for this load. What about a short-barrelled, 5-shot cylinder model for personal protection, a sort of Super-Chief's Special? Or possibly the Sheriff's Model or Storekeeper would be a little less out of proportion if the cylinder were shortened.

Don May
Tiburón, Calif.

Letters Wanted

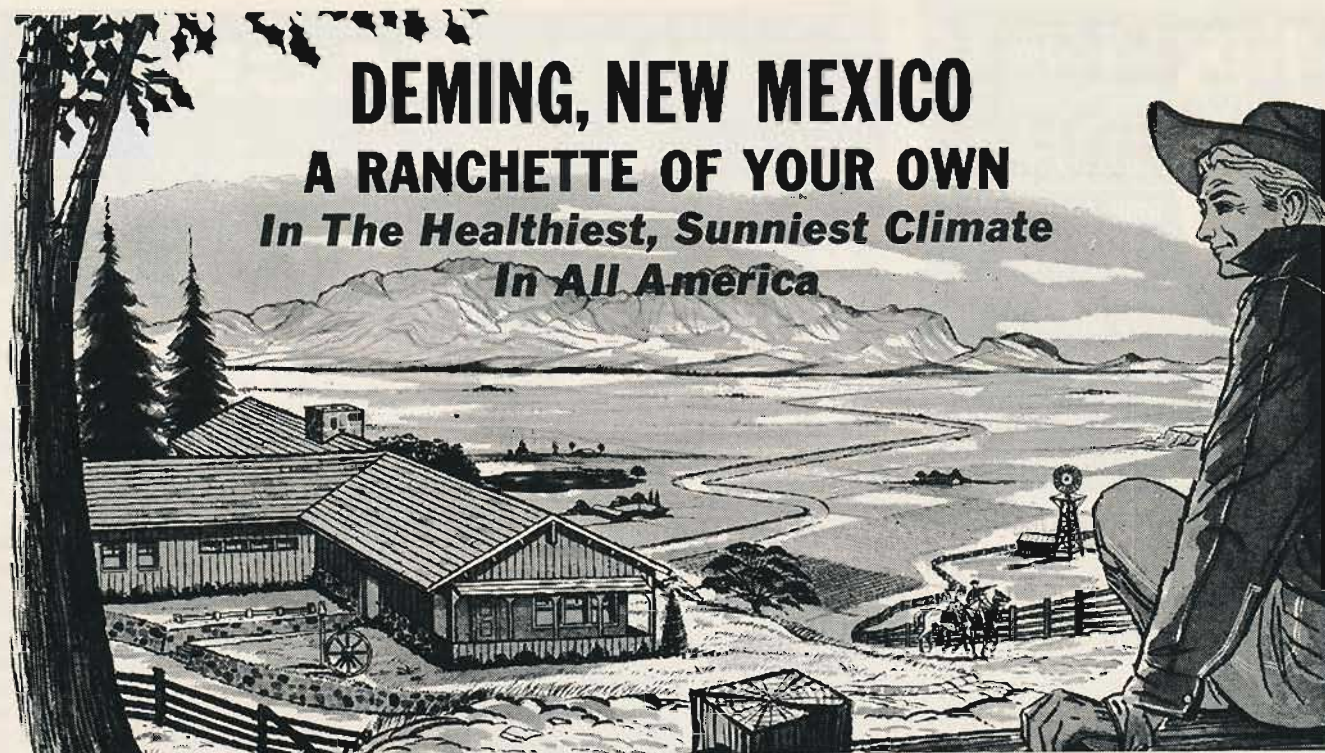
Thank you for a great magazine. I would like very much if any of your American readers would care to correspond with me and swap yarns on various gun subjects. I am especially interested in military arms of all nations, handguns in general, and early Colt revolvers. I am looking forward to many more copies of your magazine.

Bob Wonders
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There is a broad ribbon of highway that begins in the heart of Savannah, Georgia and winds for 3000 miles to its terminus in exciting Los Angeles. This ribbon is mighty Route 80—the most travelled all-weather highway in the U.S. Millions of Americans have followed it to the West, coursing through the rich hills of Georgia and Alabama, passing through the heart of Mississippi and Louisiana and entering into the plains of Texas. Gradually the scenery begins to change. Texas begins to roll; distant hills become higher. Then suddenly one emerges into "The Land of Enchantment." New Mexico's wonders erupt in a blaze of color and majesty. The mighty mountains thrust themselves, tree-topped, into the unimaginable blue of the sky. Dust and smoke have vanished from the air and the lungs drink in great delicious draughts in heady delight. If it is wintertime snow may cap the lofty mountains. If it is spring or summer or fall the unspoiled air touches the skin softly and the feeling of well-being is nowhere else equalled. But winter or summer, it is almost certain the sun will be shining in New Mexico—the sunniest, healthiest state of all 50. Yet great 80 is just beginning to take you through the sunshine wonderland of America. In the tropical southwestern pocket of our country you glide through towns like Las Cruces and Deming. A short while westward and you are in Tucson and Phoenix, Arizona, and from there the West Coast beckons. But nowhere in this enchanting Southwest is there a more beautiful area than the mountain-rimmed, purest New Mexico region of Las Cruces and Deming.

To live anywhere in New Mexico is to live better. The superb climate, naturally air-conditioned in the summer and brilliantly sunny in the winter—the breathtaking beauty of a lavish Nature—the young vigor of a state that is causing an unprecedented business and investment boom—the record which shows that one lives longer, that health improvement is almost miraculous—these are the reasons that tens of thousands of Americans already have come here to live, and hundreds of thousands of others will be following in the immediate years ahead.

Consider then: Here in the center of this miraculous climate and beauty are towns which have grown amazingly in the last 10 years. Las Cruces, for example: In 1950 it had 12,000 people. By 1960, 37,000... a rise of 300% in 10 years! (How about your town? Has it grown 3 times its size in 10 years?) Like Tucson and Phoenix, this area is a beautiful semi-tropical paradise where palm trees and long staple cotton-fields flower the landscape. Statistics show the same 85% of possible sunshine, summer and winter; these same figures reveal even purer, drier air than in Phoenix or Tucson.

A few minutes from the flavorful town of Deming (population 8,000) is a 5,000 acre Ranch, picture-framed by the breathtaking Florida Mountains. So real, so beautiful, so typically the romance of the Southwest is this valley Ranch that it has been photographed for the covers of many magazines including the official publication of the State of New Mexico. What better way to describe its Southwestern flavor than to tell you that when the producers of the movie THE TALL TEXAN sought an authentic locale for their picture, they chose the very land we are now sub-dividing into the DEMING RANCHETTES. THE TALL TEXAN was filmed on our ranch, the same place where you may have a Ranchette of your very own!

This is the lovely basin of land where heavy equipment is now at work constructing wide roads facing every DEMING RANCHETTE. Every Ranchette will have direct access to avenues leading to three major highways surrounding our property—U.S. Highways 80, 70 and State Highway 11.

\$5 DOWN \$5 PER MONTH

DEMING RANCHETTES is blessed with water which is called "America's finest drinking water, 99.99% pure." (Almost every shop in Deming displays this proud claim in its window.) Home building has already begun in DEMING RANCHETTES and electric lines and telephone connections await you. Schools, hospitals, churches, shops, theaters, golf course, tennis courts—these are close by in the charming growing city of Deming. Fertile soil is yours for the planting, and wait until you see the stunning landscape of cotton fields in bloom. Fruit trees... apple, peach, pear and plum... do not grow better anywhere.

And the price of your Ranchette? Just \$199 complete for a half-acre, \$5 down and \$5 monthly. That's the complete price—no extras, no interest, no taxes! At this moment you may reserve as many half-acre sites as you wish but please bear this in mind: DEMING RANCHETTES is not an enormous development and land such as this goes fast. At these prices you may want your Ranchette to be larger—one, two—even five acres. An immediate deposit will guarantee that your half-acres will adjoin each other (this may not be so in the near future). And you take no risk in sending your deposit. Your \$5 per half-acre will definitely reserve your land but does not obligate you. You have the unqualified right to change your mind 30 days after we send you your Purchaser's Agreement, Property Owner's Kit, Maps and Photographs—30 full days to go through the portfolio, check our references, talk it over with the family. If, during that time, you should indeed change your mind your reservation deposit will be instantly refunded. (Deming and Albuquerque Bank references.)

Ten years ago, in nearby Las Cruces, a comparable fertile half-acre such as we offer in DEMING RANCHETTES could have been bought for \$199. Today it's up to \$2000! Experienced realtors predict the same future for Deming—in a much shorter time! If this makes sense to you your next act is mailing the coupon below. And one more thing: we promise that no salesman will annoy you. Thanks, sincerely, for your attention.

DEMING RANCHETTES DEPT. L-57
112 West Pine Street, Deming, New Mexico

Gentlemen: I wish to reserve the following site in Deming Ranchettes:

- ☐ ½ acre for \$199. I enclose \$5 as a deposit.
- ☐ 1 acre for \$395. I enclose \$10 as a deposit.
- ☐ 1½ acres for \$590. I enclose \$15 as a deposit.
- ☐ 2½ acres for \$975. I enclose \$25 as a deposit.
- ☐ 5 acres for \$1925. I enclose \$50 as a deposit.

Please rush complete details, including my Purchaser's Agreement, Property Owner's Kit, Maps, Photographs and all data. It is strictly understood that I may change my mind within 30 days for any reason and that my deposit will be fully and instantly refunded if I do.

NAME.....

ADDRESS.....

CITY.....ZONE.....STATE.....

MERSHON
WHITE
LINE
DELUXE GUN
ACCESSORIES

RECOIL PADS
SLIP-ON PADS
SHELL PACKS
GRIP ADAPTERS
PISTOL BOXES
CUSTOM GUN GRIPS



"White Line" Recoil Pads

Unique design offers gradual resistance to recoil, instead of "mushy" cushioning or abrupt "bottoming." There is a model for every purpose, whether rifle or shotgun. For quality, long life and unexcelled shooting comfort, insist on "White Line" Recoil Pads. Deluxe (shown) \$3.75.



Deluxe Slip-On Recoil Absorber

Easily slips on to any shotgun or rifle. "Progressive Action" absorbs shock. Will give years of service. Only \$2.00.



MERSHON Sure Grip Shell Packs

Will safely and conveniently carry your cartridges without damage or loss. A model for most cartridges. Shells won't stick when removed. Fits on any belt up to 3" wide. Only \$2.50.

Merston Deluxe Handgun Cases

4 and 5 gun capacity. Compact and light, these beautiful sturdy cases have rack for 4 or 5 guns, space for accessories and sporting scope. Available in two models — with or without back door. The exterior is finished in your choice of 8 attractive colors and materials and is fully lined to match. 4 gun capacity without back door only \$29.50.



Merston Custom Walnut Grips

Designed for target shooters. In this grip you will not experience "Rocking" with recoil or ugly gaps. Of finest imported walnut, expertly checkered with a hand-rubbed oil finish. Only \$8.50.



MERSHON "10 Point" Grips

Fits all modern Colts and S & W Revolvers and pistols. Easily installed. Improves shooting accuracy. Prevents gun from slipping if hands are moist or wet. Can be cut or shaped to fit your hand. Only \$5.75.

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division of
Furness Accessories, Inc.
1230 SOUTH GRAND AVENUE
Dept. G-2 Los Angeles 15, California

GUN RACK



Rifle Slings

More and more hunters are beginning to realize that the conventional rifle sling is not all it could be, either for carrying a rifle or using the sling as shooting support. Tom Hayes, 925 Cunningham St., Corpus Christi, Texas, has several designs of slings that have seen extensive field tests. They are easily attached to the gun, make carrying the arm simple and easy, yet afford very good and instant shooting support. The Hayes slings are made of top quality leather and ours has seen a lot of hard wear to our complete satisfaction.

Hammerli CO₂ Single

To match shooters, the name Hammerli means accuracy. The Hammerli Single, using a CO₂ cartridge as its power source, falls into the same classification with other guns bearing the famous name. Shooting either balls or waisted pellets single-shot, the gun is a target tool of superb accuracy. Handling qualities are almost identical to those en-



countered with a match gun, and trigger pull is clean and crisp. The trigger, as with other target guns of the Swiss manufacturer, is fully adjustable and the trigger of our test gun, Number 04667, broke cleanly at exactly 2 pounds.

This gun was designed for target shooting at 10 meters or 33 feet, and will produce groups that will gladden the heart of any competitive shooter. The plastic grips are comfortable to hold, the thumb rest is adequate. The frame is a crackle-finish lightweight alloy, and the sights are the customary square front ramp and fully adjustable Patridge rear. Adjustment of the rear sight is by clicks, each click representing 1/8 of an inch at 33 feet.

An interesting facet of this gun lies in the fact that three different trigger springs are furnished so that the shooter can not only adjust the trigger pull of the gun as it reaches him, but can also choose from a wide variety of trigger pulls.

To charge the gun, the cocking handle is moved forward until it engages and the loading chamber pops out of its housing. The pellet is then inserted, the loading chamber pushed back into the housing, and the gun is ready for firing. There is no

muzzle jump or recoil, which should make this newest of the Hammerli guns extremely helpful to budding target shooters who are trying to learn trigger control or to those who are inclined to flinch.

The balls furnished with the gun are the German RWS brand pellets, and the gas cartridges are of British make. A word of warning should be added here about the backstop. First firing was done at our portable target carrier that has pressed fiber insulation board for mounting the targets. The lead pellets at a distance of 33 feet do not penetrate, but do bounce back almost the full 33 feet. In subsequent tests, a corrugated cardboard box containing some newspapers held the pellets without ricochets, the papers serving to hold the box in place. This is a high-grade CO₂ target gun that should be a boon to all target shooters for home practice, and could well serve as the first handgun for the tyro.

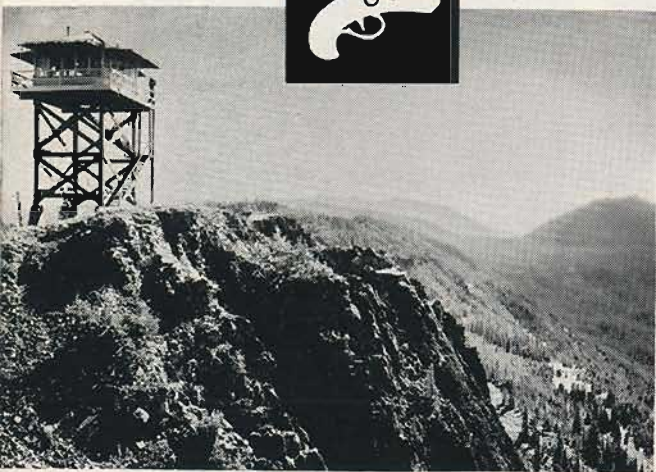
Winchester Model 52-D

Small bore shooters rejoice! Winchester has taken the much-beloved Model 52 and improved it. That the gun could stand improving is somewhat newsworthy, but Winchester has done it. The 52, as it is known on small bore ranges throughout the country, is one of the most accurate small bore rifles in the world, and we confirmed belly shooters would rather part with a trophy than with our 52's.

The Model 52-D is a single shot bolt-action rifle and, by doing away with the cut for a magazine in the stock, the rifle achieves greater rigidity in the receiver area. The stock has been somewhat re-designed, and a two point bedding system at the fore-end tip is used. This is accomplished by two bedding screws which are placed at a 60° angle in the fore-end tip.

The barrel of the 52-D is free-floating and the two precisely placed screws make it possible to adjust bedding pressure of the barrel. This means that effects of temperature and humidity changes are virtually eliminated. Winchester suggests that a rifle be range tested with the ammunition to be used to get maximal benefit from this new bedding feature. The customary thin paper tests can be used readily by anyone, and our rifle required only 15 clicks on the bedding screws for the gun to hold in the 10 ring at 25 yards.

Another feature that is most welcome, especially when the gun is used by several shooters, as in junior clubs or when several members of the family use the same gun, is the adjustable fore-end hand stop. A full-length accessory channel on the fore-end



How far is it to the tall tree? Fire lookouts become experts in estimating distances, but average hunter is not expert, gets worse as range lengthens.



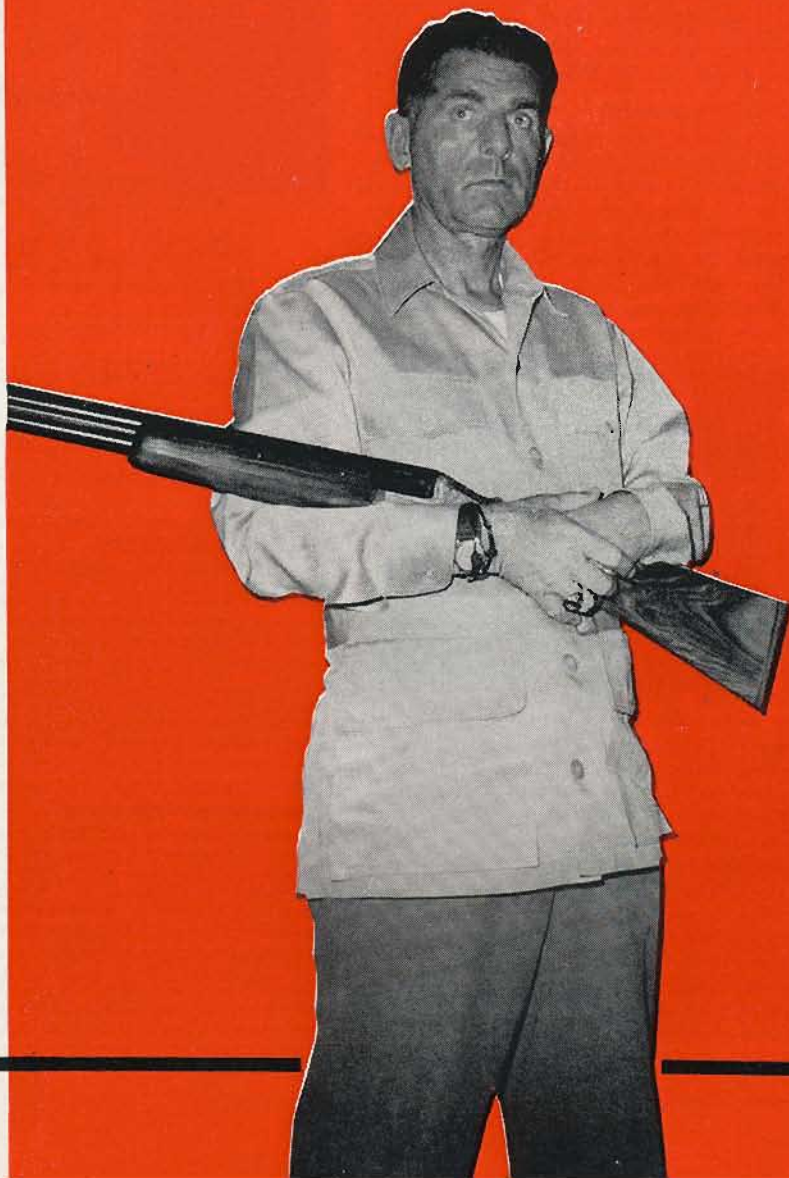
Good range estimation by Lee Hancock (left) and Jim Wellman resulted in a clean kill on huge Dall ram for this record sized "trophy of a lifetime."



Better get close for maximum shocking power and exact bullet placement when you tackle a big Alaska brownie. This one Askins shot with .338 at 65 yards.

Long Shots Are For Bad Hunters

By Col. CHARLES ASKINS



DON'T LET TALL TALES OF LONG RANGE KILLS BY EXPERTS MISLEAD YOU INTO ATTEMPTING SHOTS BEYOND YOUR SKILL

DURING WORLD WAR 2, we set up an Officer's Candidate School in England. The bright lads sifted through this mill had to do some shooting, and it fell to my lot to teach 'em. A part of the course was range estimation. A lieutenant as platoon leader has got to be able to adjust mortar fire, and if you aren't pretty savvy on range distances your first round can be 'way over and alert the enemy as to what is coming. Too, you are called upon to adjust BAR and machine gun fire and, on occasion, call down artillery and tank cannon support. Range estimation can make or break you.

We set up at Shrivenham a series of targets which varied from 75 yards to 2250 yards, with a dozen intermediate marks. The distances were all chained, and my sergeant instructors and I knew the yardages down to the last 36 inches. The targets were big and plain, since it wasn't our intention to combine in this particular course the art of target detection. All we were trying to do was to teach our laddy-o how to guesstimate his gun-to-enemy ranges.

We found out a lot of things during that OCS interlude. Mostly we found that the average American doesn't have the foggiest idea how many inches there are in a foot, nor how many feet constitute a yard; and when distance starts stretching out in front of him, he can't come within a furlong at a half-mile of telling you the correct range. And just in case you, like a lot of other people, don't know how far a furlong is—it is one-eighth of a mile, or 220 yards. We had young buckos who wanted to lead troops to battle who would look at the 1000-yd target and guess it was a mile. We had others who looked at the silhouette of a tank at 2250 yards—good tank-target range—and calculate it was anywhere from two miles to 2½ miles.

We had one chappie who measured everything in blocks. The nearest mark, the silhouette of an enemy, at a measured 75 yards he decided was two blocks distant. When he got out to those many targets which we had positioned from 200 to 350 yards, extremely important distances for the combat rifleman, his city-block estimates got a mite crude.

As might be expected, those fellows who had been raised in the country showed a great deal more skill and accuracy than the city raised chap when it came to range estimation. Even so, their estimates left a lot to be desired. Up to 350 yards, the average of the country-boy candidates showed an error of 20 per cent; and out to 2250 yards, this error increased to 35 per cent. At 600 yards, there was an average error of 22 per cent. This means a poor guess of 132 yards, either over or under.

We ran 362 city-raised candidates through the OCS before I quit the school to go on the African invasion. My records show that up to 350 yards, these young soldiers averaged errors of 28 per cent (*Continued on page 39*)



Veteran hunter Jim Converse says, "Stalking, not shooting, is the test of the real hunter." He is proud of stalking within 80 yards of this trophy desert sheep for a one-shot kill with a flintlock.



Askins test-fires big 10 gauge Magnum at 80 yards and counts hits on duck-size cut-out. Hits would wound but lack punch for clean kills. Good hunter waits for targets within killing range of his gun and his ability to shoot.



This M 1863 Remington Zouave rifle is an exact replica of the original, has one piece walnut stock, brass barrel bands, bayonet lug, steel ramrod.

THESE GUNS REFUSED



Modern replicas are made with exacting care to resemble original gun as much as possible, yet are marked clearly enough to prevent fraudulent deals. Gun on top is original Kentucky pistol, while gun at bottom is a fine copy.

GUNS OF THE BLUE AND GRAY
AND GUNS OF THE WILD WEST
LIVE AGAIN IN NEW SPITTIN'
IMAGES OF FAVORITE MODELS

TO DIE...

By GEORGE N. HEBERT

All of the guns pictured here are based on famed Colt Peacemaker. From top to bottom: Sherriff's Special .45, Crosman's "Hahn 45" pell gun, Ruger's Single Six, and Colt .22 MRF Buntline. Other copies of old guns, shooting modern ammunition, are made by Great Western, High Standard, and others.



Hunter Berdon Lawrence uses a M 1860 New Model Army replica gun to stop the clock of a large 'gator. Hunting with replicas is very popular.



DURING 1961, the first year of Civil War Centennial, hundreds or perhaps thousands of cheaply made "commemorative" do-dads flooded the gadget market. Most of these had little if any significance or value. But one group of manufacturers used this period of reminiscent observation as an honest reason for making a real, lasting, and practical contribution to Americans who have long cherished and respected our original mementoes of the 1860s—our Civil War guns.

Gun manufacturers, some new in the business, others with company records dating back well beyond the firing upon Fort Sumter, have offered the nation's sportsmen and collectors an assortment of nearly-exact duplicates of the arms of that period and the period immediately following in which our western frontiers were expanded. The muzzle loading percussion and early cartridge guns of these periods,

VIRGINIA ELECTORAL TICKET. Election November 6th, 1861.

FOR PRESIDENT,
JEFFERSON DAVIS,
OF MISSISSIPPI.

FOR VICE PRESIDENT,
ALEX. H. STEPHENS,
OF GEORGIA.

ELECTORS.
FOR THE STATE AT LARGE.
JOHN B. EDMUNDS, Halifax.
A. T. CAPERTON, Monroe.

FOR THE DISTRICTS.
JOSEPH CHRISTIAN, Middlesex.
CINCINNATUS W. NEWTON, Norfolk City.
R. T. DANIEL, Richmond City.
W. F. THOMPSON, Dinwiddie.
WOOD BOULVIN, Charlotte.
W. L. GUGGIN, Bedford.
B. F. RANDOLPH, Albemarle.
JAMES W. WALKER, Madison.
ASA ROGERS, Loudoun.
SAMUEL C. WILLIAMS, Shenandoah.
SAMUEL M. D. BIRD, Rockbridge.
H. A. EDMUNDSON, Rowanoke.
J. W. SHERFFET, Smyth.
H. J. FISHER, Mason.
JOSEPH JOHNSON, Harrison.
E. H. FITZTHUGH, Ohio.

Republican Ticket



For President of the United States
ABRAHAM LINCOLN
OF ILLINOIS.

For Vice President of the United States
HANNIBAL HAMLIN
OF MAINE.

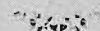
For Electors of President and Vice President

GEORGE MORRIS, of Boston.
ARTHUR A. CHAPMAN, of Springfield.

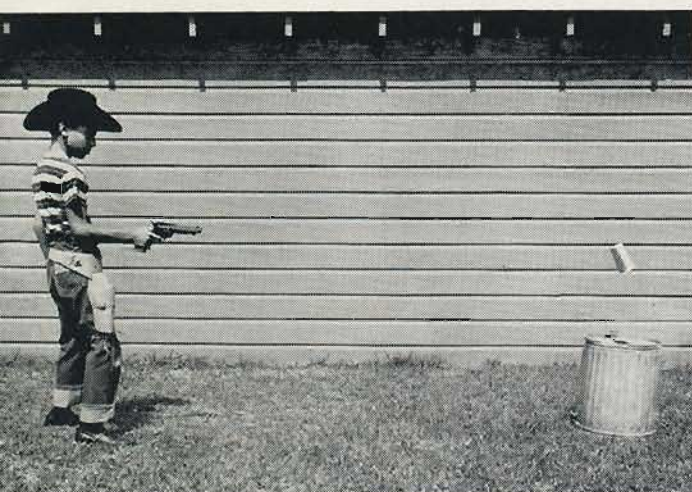
For Representatives in the Congress of the United States

No. 1.—ALFRED SNEY, of Newburgh.
No. 2.—JAMES H. AYLWORTH, of East Haddam.
No. 3.—JOHN M. FORTES, of Milford.
No. 4.—CHARLES H. FEAL, of Boston.
No. 5.—FRED W. CHANDLER, of Boston.
No. 6.—JOHN G. WHITTIER, of Andover.
No. 7.—GERRY W. COCHRAN, of Middlebury.
No. 8.—JOHN NESMITH, of Lowell.
No. 9.—AMASA WALKER, of North Brookfield.
No. 10.—CHARLES FIELD, of Athol.
No. 11.—CHARLES MATTOON, of Greenfield.

For Representatives in the Congress of the United States
JOHN B. ALLEN, of Lexington.

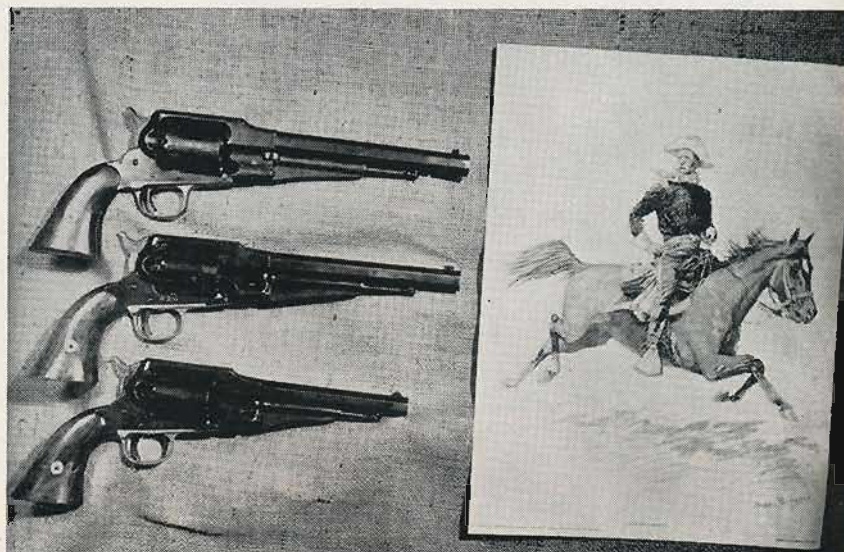


Old as the Lincoln-Davis election tickets, the Griswold & Grier original (top) and the Colt's 1851 Old Model Navy (bottom) are reproduced today by, respectively, the Navy Arms Co. "Reb" (3rd from top), and "Yank" (2nd from top).



Hahn 45, pellet gun copy of Colt's Frontier, gives "Deadeye" Steve Brown, stylishly hip-shooting, some inexpensive target practice.

Four Remingtons pictured include a drawing by the famous artist, an original Remington New Model .44 Army (top), a Navy Arms Co. replica of same (center), and a replica also by Navy Arms of the Remington .36 New Model Belt gun popular with western cavalrymen.





Centennial Arm's replica of Samuel Colt' New Army .44 caliber six shooter (top) compares favorably with original gun shown below. Replica shoots well.



Centennial's copy of M 1860 .44 caliber Army cap-and-ball gun shoots fine but requires old-style loading methods. Colt Centennial, 7/8-sized copy, is single shot, fires .22 Shorts.

REPLICAS

rifles and revolvers, have been reproduced in modern replicas by Colt's, Navy Arms, Centennial Arms, Dixie Gun Works, and other companies; reproduced with a fidelity and in a quality to delight both shooter and collector—the collector who has always wanted originals of those guns but could not afford them, and the collector who does own originals, has hesitated to shoot them, and can now retire them and shoot to his heart's content with their duplicates.

The sentimental appeal of the circa '61 vintage arms is based, of course, on their connection with kinsmen in blue who fought at Bull Run, or kinsmen in grey who charged Cemetery Ridge at Gettysburg. In a way, the same appeal holds true in a somewhat lesser degree for the replicas; but the replicas have a practical appeal as well, for they are "shooting" guns, excellent in structural strength, finely finished, effectively accurate. I have shot them all (Colts, Remingtons, Kentuckys, Griswold & Grier pistols, Remington Zouave and Kentucky rifles) for hunting and target shooting. Centennial's hefty .44 caliber "Army" was hell on alligators; Navy Arms' .36 caliber "Yank" and "Reb" ride the

(Continued on page 41)



Original Colt Sheriff's Special (top) is in the Neill Carpenter collection. Below is Colt's copy of same gun, but with one inch shorter barrel, the Sheriff's Model Second Issue, sold exclusively by the Centennial Arms Co. Replica guns have numbers 1-500.

NOT OFTEN WILL A SUCCESSFUL HUNTER SPILL HIS TRADE SECRETS, BUT HERE ARE SOME TRICKS THAT WILL GET YOU SOME PHEASANTS

By BERT POPOWSKI

THE FEATHER-LIGHT snow had stopped, and I sat in the car, sucking on a warming cup of coffee. My watch said that zero hour, high noon, was only minutes away, so I finished the coffee, dropped six game loads in my pocket, stuffed my Ithaca with five more, and locked up the car. In 30 minutes, give or take five, I figured I'd have me a brace of cock ringnecks.

Just as I was throwing a leg over the barbed-wire fence, a car ran up the other bank of the Jim River, opposite me. The cover was much better there: a jumble of buck-brush, volunteer sweet clover, and weeds. Three hunters piled out and spread out abreast to hunt that almost ideal tangle of vegetation. I suspected that it was plumb loaded with pheasants.

Seeing how these gang hunters scrambled through the cover I rapidly revised my original

Pheasants on Snow...

Young hunter is shown how light snow can be used to locate flock of birds that moves around, looking for food or hiding places.



Using his eyes and the instructions he received, youngster connects easily with nice cock bird. Bird hunting on snow negates all earlier training, and "bird sense" is useless.





Pheasants jumped by distant hunters fly considerably further over snow than they do over other, dense cover.

estimate. In 30 minutes, I just might have my day's limit of *five* burnished cock birds, instead of a mere brace. They'd drive the birds out of that thick cover, maybe knocking down one or two in the process, while I'd be happily trailing mine down, one or two at a time. Where pheasants are plentiful, the flight of one automatically triggers a lot of others into long-range take-off. Those flushed birds would almost certainly cross the river, and, in the thin cover on my side, the birds would scatter, seeking tiny dabs of cover, hoping that I'd walk past them. And I definitely didn't plan to do that.

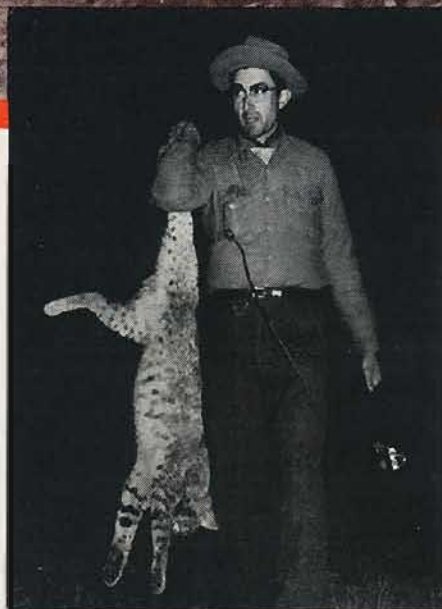
I wasn't hunting by guesswork. I'd noted pheasant tracks that had dipped through the ditch and led into the

stubble-field. That furnished the birds ample food and some cover which, although thin, also prevented any predator from sneaking up on them. It was cover that was made to order for an old pheasant hunter whose very favorite method is to get on the trail of ringnecks in a fresh fall of snow and walk 'em down.

Walking down pheasants isn't nearly as tough as it sounds. For, though the birds have long ago learned that their legs are their best friends, they virtually never take off on any straight-away sprint. They run a little ways, then veer off, attempting to throw the pursuer off. Like most wildlife, they're naturally lazy. They won't fly if they can run, and they won't run if (Continued on page 56)



Secrets of Game Calling



Calling at night with head lantern is often the most productive method.

The above pictures were not made with telephoto lenses. They are the product of good game calling techniques, bringing predators close-in.

By RUSSELL TINSLEY

ANIMAL CALLING IS one of our fastest growing hunting sports. Many factors have contributed to its phenomenal upswing, but perhaps the two basic ones are these: it is a shooting sport which can be enjoyed throughout the year, and commercial calls have put predator calling within the ability of anyone.

But, as with any other type hunting, game calling has its finer points—and its experts. Two of the very best in the business are the Burnham brothers, Murry and Winston, of Marble Falls, Texas. Their father pioneered the sport. Here are some secrets that two generations of calling have produced.

The easiest of all predators to call is the fox. Whoever coined the phrase, "slyer than a fox," evidently had never blown a dying-rabbit game

**CALLS ARE AMAZINGLY
SUCCESSFUL EVEN IN UNPRACTICED
HANDS, BUT HERE ARE SOME
TIPS FROM EXPERTS THAT WILL
PRODUCE EVEN BIGGER
HUNTING THRILLS**



Coyotes are wary critters, endowed with radar eyes and sonar hearing. Shoot fast to connect with them.



To hunt predators with handgun takes gun skill and lots of patience, plus a special method of calling. If unsuccessful at first, vary your calls.

call. Sometimes Reynard will act downright stupid in his eagerness to get at the source of that tantalizing racket.

Anyone can call a fox that has never been fooled by a human before, but to outwit one a second time is doubly tough. It doesn't take him long to learn the facts of life. This is where more advanced know-how often spells the difference between success and a lot of wasted effort.

There are other meat-hungry predators like coyotes and bobcats. They'll be attracted to the rabbit-in-distress cry, but they are more cautious than a fox and consequently are more difficult to coax within gunshot range. A tyro caller often fails with coyotes and bobcats, simply because he doesn't understand their behavior and their reactions to the game call. Fooling these cagey killers requires a skill that many hunters have neither the patience nor leisure to master.

There is one sure-fire method of bringing a fox to you on the double. Start blowing on the call strongly and keep with it steadily, covering the countryside with the high-pitched banshee wail. When a fox hears this weird crying, it comes a-running to the source as if hypnotized. But it might come sailing in, take a brief look, turn, and take off in high gear. That's the chance you take when you try to trick 'em in a hurry.

This is the call beginners prefer because it gets action quickly. But sometimes it isn't the best way, particularly if you are hoping to lure a fox close enough to drop it with a handgun. Then it requires a more subtle approach. Blow on the call briefly, then pause for a few moments and look about. Continuing this procedure with less distress in the call than you normally use *(Continued on page 44)*



"A LION



Hunting in Africa means many things, such as a broken axle on the Land Rover, or a ceremonial sacrifice of a goat before the hunt. It is also the moment when Kula says "there" and points out the sleeping, man-eating lion. Author and white hunter stalked lion like two "sweating ghosts."



By FRANK C. HIBBEN

I have known Frank Hibben (Dr. Frank Hibben, Dept. of Anthropology, University of New Mexico) for a long time. When I saw him a few weeks after his last African safari, his movements lacked much of his usual athletic vigor. I asked why. He said, "A lion fell on me." This is the story.—E.B.M.

THE OPEN MOUTH came straight for my face. I tried to bolt another shell into the rifle. Before I could raise the gun, the lion struck me. The rifle spun from my hand. A stunning weight hit my chest. I was conscious of the taste of fur in my mouth. The blow bent me sharply backward. Everything went black.

I had not wanted to hunt lions. Especially, I did not want to hunt this particular lion. I had come to Somalia, on the east coast of Africa, by invitation. The former colony of Italian Somaliland had become independent on

July 1st, 1960, and I arrived in Somalia some six weeks later. The Somalis, realizing the commercial value of the game within their country, had already established hunting laws and had invited me to be the first American hunter to try them. Lions were not included in our plans. But even the best laid plans go wrong.

The Somalis themselves have a hunting tradition which goes back hundreds of years. They are rated the finest hunters of all the Africans. My guide for this venture was Guliano Belli del Isca, an Italian hold-over from the time of Benito Mussolini. Guliano, a heavy-set Italian with a pleasant smile and an engaging manner, had been district commissioner in the southern portion of Somalia and knew the country well. With the new era of independence, Guliano had started a safari company. He was especially anxious to show me some very large elephants to demonstrate the best hunting in Somalia.

FELL ON ME"

HE DIDN'T WANT A LION. LEAST OF
ALL DID HE WANT TO FEEL AND TASTE A LIVE
LION'S FUR AS IT LANDED ON TOP
OF HIM. BUT HE GOT THEM ALL—AND LIVED



The Somali hunters use poisoned arrows to hunt dangerous game, certainly not the recommended procedure when hunting a mean killer lion that took two bullets from .375 Weatherby, then almost killing the author in its final dying charge.





Somali, former Italian colony, offers some outstanding hunting possibilities. The gazelle on left is found only in desert area and Grants gazelles come big in this arid, unspoiled country.



Meat in the Somali bush is a much desired commodity and giraffe meat is best liked by the natives who are herdsmen and hunters.



Elephant herds are plentiful and heavy ivory is not all gone. Widely spaced watering places require much travel and tracking.

For our trip, Belli bought a fairly creditable Land Rover and rented an Italian truck which was undoubtedly a relic from Mussolini's defeat. We left the picturesque Somalia capital of Mogadiscio and drove south towards the Giuba River valley to spend three weeks for desert elephant. We crossed the Giuba on a bridge which the Italians had built, and set up our camp at the small border town of Beles Cogani, near the northern Kenya frontier.

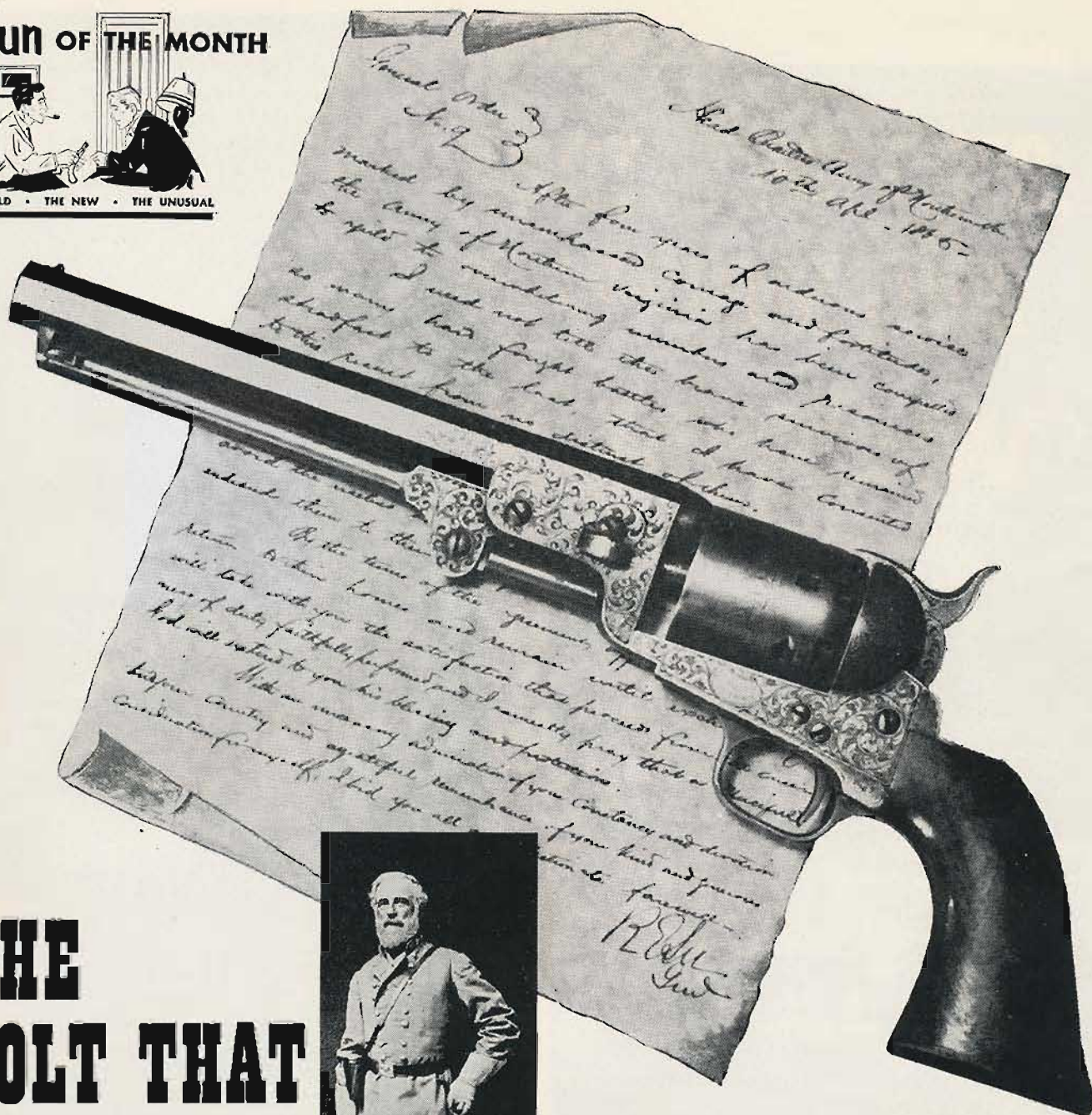
The elephants we hunted were watering at a pond some 20 miles south of Beles Cogani, or at the Giuba River some 50 miles to the north. By hunting the area in between, we hoped to get a look at the big bulls which might be using either of these water sources. In this same country were a number of Somali camps consisting of a half-dozen or so dome-shaped grass-covered huts. The Somalis, like the desert animals themselves, seemed to be able to exist on little or no water. Their goats and cattle are driven many miles to water every three days; their camels water about once a week.

The Somali herdsmen were our best source of elephant information. The Somalis used to hunt elephants with poisoned arrows, selling the ivory to Arab traders, so they know elephants. From these same Arab traders, the Somalis long ago acquired the Mohammedan religion and the loose dress of the typical Arab. For as far back as their tradition has any record, the Somalis have been herdsmen. The basis of their wealth is camels.

At a few of the Somali encampments, we heard about elephants. Mostly, however, the Somalis told us about lions, and particularly about one lion which was eating their camels. There were plenty of elephant in the country, and plenty of lions too. We often heard the coughing roar of hunting lions in the distance as we sat around camp in the evening. But I could work up little enthusiasm for the desert lions of the Giuba country. They make a poor trophy. Generally the desert lion is scrawny, yellow in color, and the males have little or no mane. Belli and I were after a big desert elephant bull carrying a hundred pounds or more of ivory in each tusk. We learned finally that the Somalis had seen an elephant of this size around Tabda, which is what they call the water hole south of Beles Cogani.

For two weeks we continued to hunt elephants, and continued to hear about lions. The hawk-nosed sergeant of police of Beles Cogani came into our camp one evening and told again of the single lion that was killing camels. "This one lion," the sergeant said gravely, "has killed 11 camels and a bullock near the Tabda water." And then he added as a clincher, "One may purchase a beautiful young wife with six camels."

Three days later, the sergeant of police was back at our camp (Continued on page 46)



THE COLT THAT LED THE SOUTH

By J. S. WAMSLEY



**AS TASTEFULLY "DRESSED" AND
RELIABLE AS ITS OWNER, LEE'S COLT
RODE WITH HIM TO THE END**

Navy Colt of General Robert E. Lee was carried in saddle holster, was probably never fired in anger.

AFTER GENERAL Robert Edward Lee died, someone—probably a member of the family—took his Navy Colt revolver outside Lee's Lexington, Virginia, home and fired it, for what reason we do not know. All that has come down to us about this incident is contained in an offhand remark in the reminiscences of General Fitzhugh Lee, a nephew, who thought it important to add that "not a barrel missed fire."

The gun that so faithfully performed its final work was remarkably like its owner. In looks, it reflected tastefully subdued magnificence. In performance, its brilliance was joined with solid reliability. It would have been strange indeed had this gun, carried for so long and perhaps even loaded for its last shots by this man, failed to fire.

(Continued on page 60)

**SHOOTING IS FUN FOR EVERYONE, AND
FAMILIES WHO SHARE IT FIND IN
IT STILL OTHER BENEFITS**



Practice trap is cocked by adult, bird released by ten year old daughter. Angle of flight is easily changed.



Author's daughter does well with .410, will try the 20 gauge next year. Vandalia might well be her next stop.




To show how it is done by the expert, Dad is first at the trap. Let's hope he connects.

By BOB WALLACK

TEACHING YOUR KIDS to shoot is as much fun for you as it is for them. Shooting helps to give them poise, teaches timing and coordination. Besides, it gives the youngsters something they can hook their thumbs in their vests and brag about to young friends.


Clay birds are very inexpensive and are carried by most sporting goods stores. A hand trap costs little more than a case of targets, and a bigger, practice trap can be bought for around \$35. A place to shoot is never very hard to find. You'll need at least 200 yards of open space in the direction you'll be shooting . . . that's roughly the maximum range of bird shot in any gun from .410 to 10 gauge. You can set up your "range" for trap, or skeet, or just for shooting, as pictured here.

SHOOT TOGETHER, STAY TOGETHER



Whew, that one almost got away and Dad sighs deeply with relief. Family competition is fun.

If the youngsters are big enough, start them with a 20 gauge gun . . . a .410 throws so few shot it's really a gun for the expert. Yet, the very young must use a .410. You'll also find that while a youngster, and this is particularly true with girls, fears recoil and noise, shooting at a moving target seems to eliminate these fears. Be sure they have either a shoulder-padded coat or a couple heavy shirts and ear plugs.

Just one word of warning for dad: don't even consider this as a family sport unless you're willing to be whipped! The kids learn fast, and they'll be beating you after a few sessions. They learn other things also—that dad and mother are fun to be with for example. Once they learn that, most of your worries are over. 



Mom too takes her turn and calls for the bird. Just as picture was snapped, she broke bird with good lead.



Practice trap, costing around \$35, can mean much fun for all members of family, gives adults good field practice.

WHITE HOUSE AND MIDWEST COPS

SKILL THAT FOILED WOULD-BE TRUMAN ASSASSINS
WINS TARGET TEAM CHAMPIONSHIP



Carter Jones, left, holds team match target on which he scored 100% with 46 X's. Bob Matt of Colt congratulates Carter on the new record.

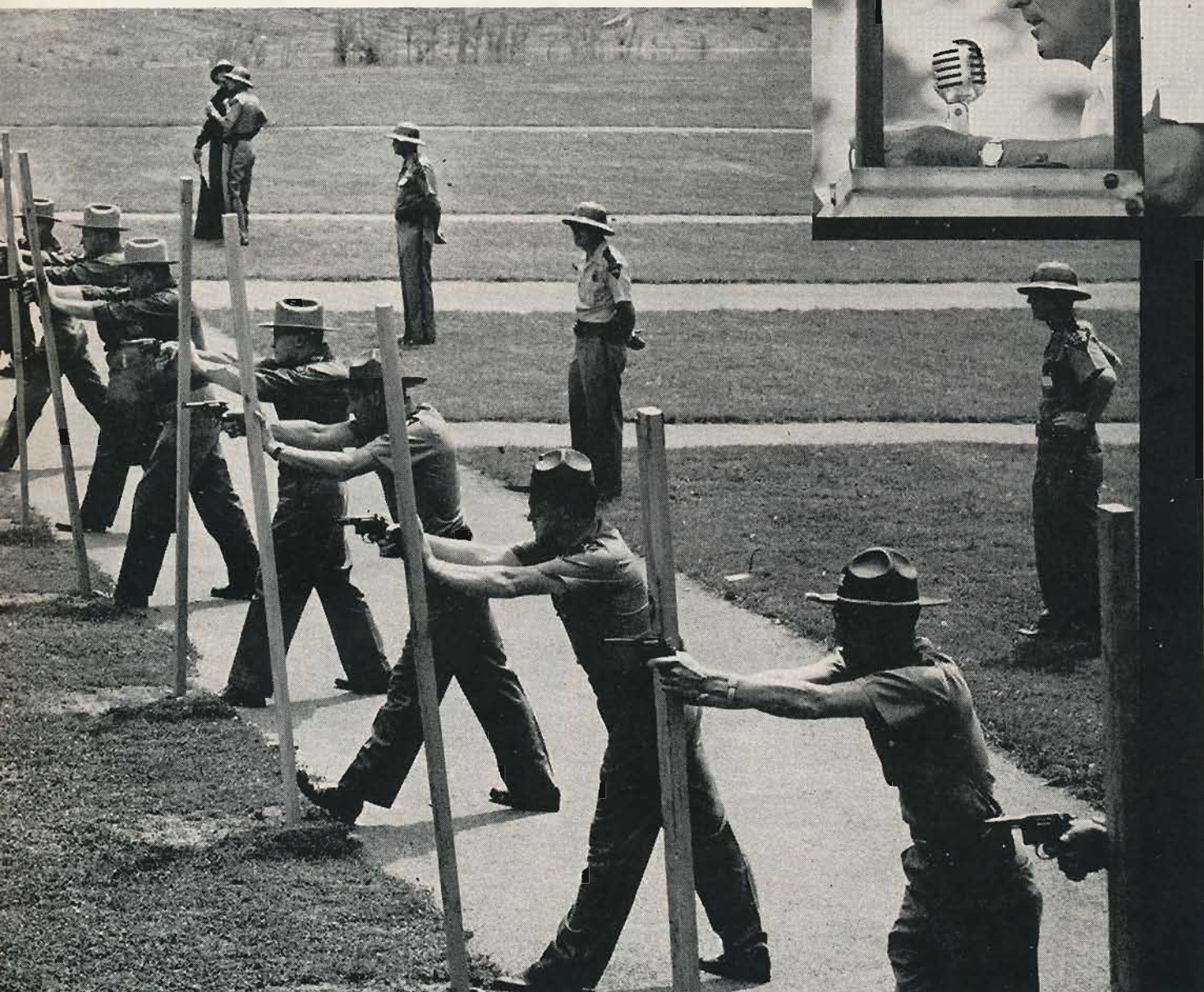


White House Police Corporal W. S. Crawford demonstrates combat quick draw that is used by elite force.



White House Police team is all smiles after winning top honors in team event. From left to right: Pvt. A. V. Kissal, Cpl. W. S. Crawford, Pvt. H. J. Mood, and Cpl. J. E. Young. Team had little time to practice before meet.

WIN COMBAT SHOOT



Bill Toney, inset, takes his turn as range officer. Shooting conditions on range were ideal, but weather is never an excuse to interrupt the shooting since circumstances of actual gun fight cannot be chosen.

By W. T. TONEY, JR.

SWIFTLY, but so smoothly that it looked slow, a slender young policeman drew a big revolver and began methodically to puncture the center of a black silhouette. Carter Jones was making his third try for the international police combat pistol championship. At the same time, a team from the White House Police, one of America's smallest but most important enforcement agencies, was decisively winning the team championship.

The International Police Combat Pistol Matches are conducted annually for full-time salaried police officers by Colt's Patent Firearms Manufacturing Company, Inc., and Indiana University. The Colt name has been a household

word in American police circles for generations, and the company has traditionally supported police firearms training. Indiana University's connection with a shooting match grew out of their long-time educational interest in police training.

The match is fired over a modification of the "practical pistol course" familiar to many police officers throughout America. It consists of 10 rounds double action hip shooting at seven yards in 25 seconds; 15 rounds double action kneeling, weak hand and strong hand, from a barricade, at 25 yards in 90 seconds; 20 rounds single action sitting, prone, weak and strong hand, (Continued on page 51)



Ye Old Hunter is all heart!

Ye Old Hunter illustrates all weapons by actual untouching photographs so you can see how they REALLY look!

AMERICA'S GREATEST FIRST FOR '62... RARE PAR

JUST IN TIME TO LAUNCH THE NEW YEAR — FROM PARAGUAY — the great Mauser 98 Model 1927. All in superbly good or better condition and in the standard 8MM caliber. ANOTHER IN THE YE OLD HUNTER SERIES OF FAMED MAUSERS. A collector's dream in SHOOTING condition and at a BARGAIN price. Another Mauser frontier penetrated to the consternation of our less pioneering competitors. Some in select, very good condition only \$5.00 additional. Just under 25,000 in stock so rush your order today before these are cornered by the intrepid minutemen. Also available—bayonets with scabbard, complete only \$3.95!

SELECT FAVORITES



Cal. .30-06



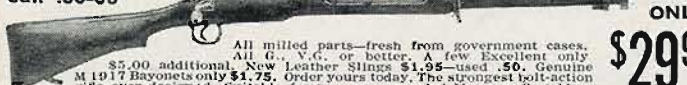
Low Numbers

ONLY \$2995!

JUST IN! All in very good or better condition! The greatest of them all, the INCOMPARABLE Springfield at the lowest price ever—for low numbers. These are NOT the crude, makeshift assembled jobs advertised by others; these are NOT the left-overs rotting in steaming South American jungles, but original Springfields in the finest condition ever. HIGH NUMBERS only \$49.95, some HIGH NUMBERS WITH TARGET TYPE C STOCK only \$42.00! New web slings 50c.



Cal. .30-06



ONLY \$2995!

U. S. ARMY MODEL 1917!

All milled parts—fresh from government cases. All U. S. V.C. or better. A few Excellent only \$5.00 additional. New Leather Slings \$1.95—used .50. Genuine M 1917 Bayonets only \$1.75. Order yours today. The strongest bolt-action rifle ever designed. Suitable for any recommended Magnum Cartridge.

SPANISH ROLLING BLOCK CARBINES!

Cal. .43 Spanish

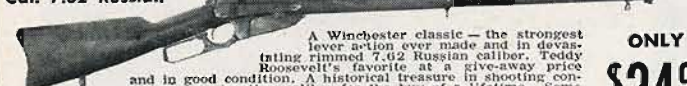


ONLY \$1995!

Spanish copy of the famed Remington Rolling Block in the most superb condition ever. Guaranteed very good or better, but actually in near mint condition at the low, low \$19.95. The ultra desirable CARBINE version, complete right down to the original cleaning rod. The model which broke all sales records in "NRA sub-poor condition." NOW for the first and last time available in a condition worthy of even drawing room discussion.



Cal. 7.62 Russian



ONLY \$3495!

ORIGINAL WINCHESTER MODEL 95!

A Winchester classic—the strongest lever action ever made and in devastating rimmed 7.62 Russian caliber. Teddy Roosevelt's favorite at a give-away price and in good condition. A historical treasure in shooting condition, in a hunting caliber for the buy of a lifetime. Some with Trotsky's finger nail marks and few with Nikita finger prints—none with Stalin's teeth marks. Yours only through a surplus U-2 and a special pair of barb wire clippers.

SPANISH TIGRE CARBINES!

Cal. 44-40

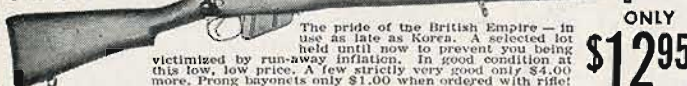


ONLY \$3995!

Still another shipment of the famed copy of the Winchester Model 92 found in a remote fortress in the Spanish West. The pride of the Iberian cowboy in the popular 44-40 caliber. This fast-handling little repeating saddle carbine is just the ticket for you lever action, and dual shoulder nirrods. All in good condition and ready to go, fresh from fresh cases.



Cal. .303



ONLY \$1295!

ROYAL ENFIELD No. 4 SERVICE RIFLE!

The pride of the British Empire—in use as late as Korea. A selected lot held until now to prevent you being victimized by run-away inflation. In good condition at this low, low price. A few strictly very good only \$4.00 more. Prong bayonets only \$1.00 when ordered with rifle!

FAMED

G33/50 SWEDISH MAUSER CARBINES!

Cal. 6.5MM (Ammo in Stock)



SHIP ANOTHER SHIPMENT JUST IN—and just in time for season. The finest of the fine—the racy, superbly finished Swedish G33/50 in the effective 6.5 X 55 Caliber. The surplus pace setter at a price that even the most penurious cannot afford to pass up. Factory RE-CONDITIONED and factory RE-BLUE'D. Select, genuine walnut stocks and metal absolutely excellent. For an ultra select specimen add only \$5.00. 6.5 Swedish hunting ammunition only \$5.90 per 40 rds. Original Bayonets only \$1.50!

ONLY \$2995!

PERSIAN M98 MAUSER CARBINES!

Cal. 8MM (Ammo in Stock)



WHAT A FIND! The ultimate, ultimate, ultimate Mauser 98 Carbine at an unprecedented low price. The strongest, yet trimmest carbine ever available—fore-runner of VZ33 and almost identical to the famed G33/40 Mauser. In top shooting shape and in good or better condition, complete with PERSIAN SUN LION CREST AND 184" barrel. S O M E BRAND NEW IN ORIGINAL FACTORY CONDITION ONLY \$15.00 ADDITIONAL AN INCREDIBLE OPPORTUNITY! Bayonets with scabbards \$3.95!

ONLY \$3495!

PERSIAN VZ24 M98 MAUSERS!

Cal. 8MM (Ammo in Stock)



A special, exclusive deal with the Shah! Your choice of the famous BRNO VZ24 with either original BRNO markings or those with the beautiful, rare PERSIAN SUN LION crest. The Mauser 98 without a peer as any real sun-smith will confirm. Smooth, with unequalled machining and in totally good condition. One of the finest finds of all times—don't lose out on this superb bargain! M.M.C. ammo \$4.00 — Sporting ammunition only \$5.90 per 40 rds. Original M98 Bayonets only \$3.95 complete with scabbards!

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M95 (SS) MAUSER RIFLES!

Cal. 7MM (Ammo in Stock)



Paul Mauser's smoothest and most expensive masterpiece—the SPECIAL SS (Super Strength) model 95, with the THIRD locking lug behind the bolt handle. All German made, with all milled parts and the beautiful Chilean Receiver Crest. All good or better—some very good only \$3.00 additional. Used military slings only \$5.00. New German bayonets with scabbards only \$1.95! Superb 7MM military ammunition only \$6.00 per 100 rounds and NOW 7MM reloaded sporting ammunition only \$3.45 per 20 rounds. Probably your last opportunity for top value!

ONLY \$2295!

M95 (A) MAUSER RIFLES!

Cal. 7MM (Ammo in Stock)



The same rifle as the M95 leader in the first picture ONLY this model has the racy turned down bolt handle. The ONLY M95 Mauser in stock without the special THIRD locking lug, but who really cares about this EXTRA third lug anyway. Special for you who insist only on the fine conventional M95 with all the great conventional features, and in good or better condition. Used slings 50c and NEW German Bayonets with Scabbards \$1.95! The perfect rifle to easily sporterize!

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M95 (SS) MAUSER CARBINES!

Cal. 7MM (Ammo in Stock)



The perfect little Mauser Carbine complete with a genuine 184" carbine barrel and in absolutely good or better condition. All the same desirable features of the larger models depicted above and at a weight that permits you to take your son or wife hunting. All these models have the beautiful Chilean crest on the receiver for full aesthetic fascination. New bayonets with scabbards only \$1.95! Order your ammunition W I T H rifle to save transportation costs. See the special 7MM ammo prices in ammo box!

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Just received—The bargain of our time. .38 Cal. Smith & Wesson Military and Police Revolvers rechambered to the popular .38 Special Caliber. Also completely refurbished and rebled and only a measly \$34.95! Beat the run, order today!



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Once again the rare Italian Glisenti Revolver at the most low price ever. The revolver that could have been the Continental fast-draw champ, received just in time for U.S. competition. Note the sleek grip and upward hammer position.

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Cal. 8MM
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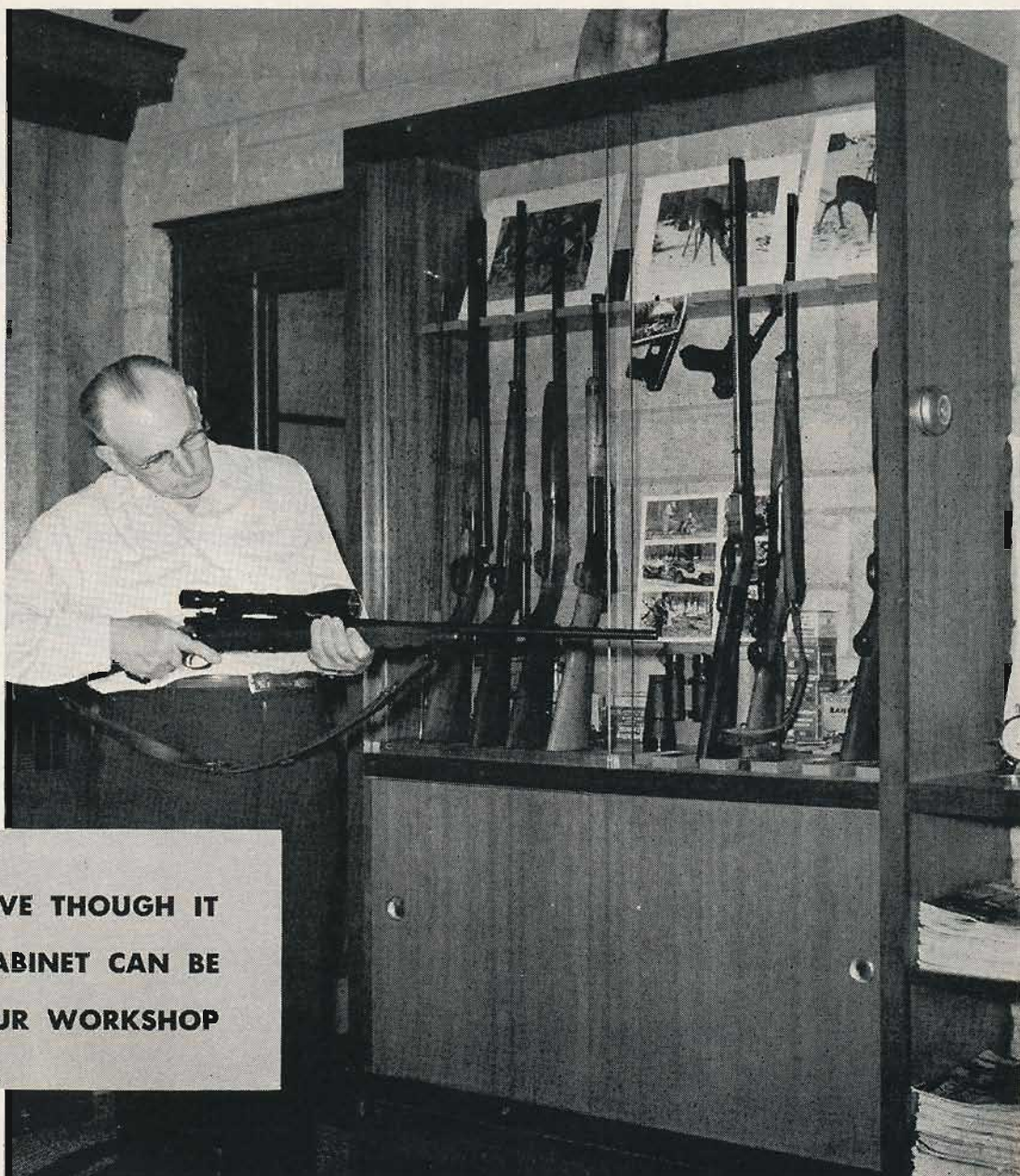
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Glass-fronted gun cabinet dominates the utilitarian trophy room, displays guns well, yet protects them from visitors.

Give Your GUNS A HOME

By DON SHINER



**IMPRESSIVE THOUGH IT
IS, THIS CABINET CAN BE
BUILT IN YOUR WORKSHOP**

NO SERIOUS hunter or gun fancier likes to store his guns in a dusty closet. John Zeiser, who has hunted from Pennsylvania to Alaska, gathering many fine trophies and guns along the way, recently converted a spare room in his home into a trophy den. To house his gun collection, he built a separate glass-front case and fitted it against sectional shelves that run along one wall in this room, with pictures and mounted trophies to complete the decor.


Despite its impressive appearance, the handsome cabinet is simply constructed. Mahogany plywood is used throughout, with sides and top plate cut from half-inch material. Raw plywood edges are covered with redwood facing.

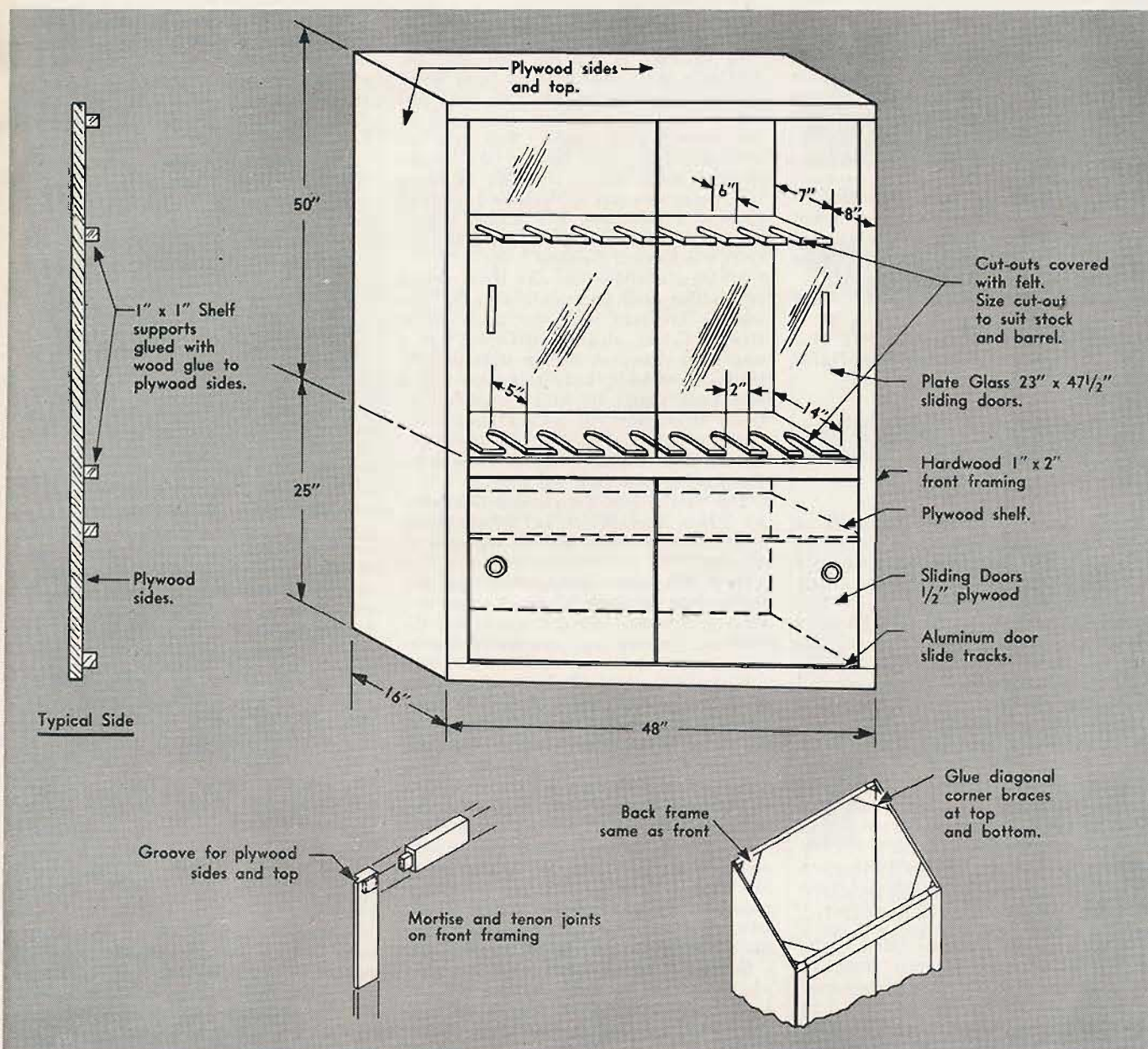
Two large glass panels serve as sliding doors for the gun compartment. The back remains open, permitting the stone veneer covering one wall to show through the cabinet. It is not difficult to visualize this same open-back cabinet fitted against a knotty pine or attractively painted wall so that the wall material "filters through" the glass doors. This

feature gives the cabinet a built-in appearance rather than the separate, solid piece of furniture that it is.

Aluminum tracks permit the glass doors and the plywood panel doors in the base cupboard to slide freely. The gun shelf and the single shelf inside the base are mortised to the upright sides. The base cupboard provides ample space for storage of ammo, gun-cleaning equipment, hand-loading tools and other gear.

Zeiser's unique cabinet, pictured here, will house ten guns, but the design can be changed to fit a smaller or larger collection.

The cabinet has a massive, decidedly masculine look. However, the design is simplicity itself, easily cut and assembled in a basement or garage workshop. Depending on materials selected, the completed cabinet will cost about \$30. If labor is hired, it may run three times this amount. But even this price is moderate for a fine cabinet which will display weapons effectively and deservedly. 





Pull!

BY DICK MILLER

SIXTEEN was the magic number in the Hotel Sahara Gun Club's annual Fall Trapshooting Tournament at Las Vegas. Three Ford Falcons were at stake in this big Western trap event. They were won by two sixteen year old boys and a creaking(?) 32 year old adult.

Jon McKeig of Glendale, California, and Joe Nichols of Greenwood, Missouri, are the youngsters who should have no trouble getting dates after the Sahara tournament. Elmer Siemon of Colorado Springs, Colorado, whose age adds up to twice sixteen, drove home the third Falcon from Las Vegas. McKeig had to survive a hundred target shoot-off with T. Wayne Harris in the Casbah Handicap to earn his Falcon. Nichols gained his new car without a struggle for his near-perfect 99 in the Mint Handicap.

Siemon also had the only 99 in the Hotel Sahara Handicap to become richer by one car.

To no one's surprise, Dan Orlich added the All-Around Championship, a repeat of last year's performance, to his incredible string of victories, with a score of 386x400, including 100 straight in the Singles Championship.

Tournament Overall Champions by classes were:

- AA—Dan Orlich—Reno, Nevada—667x700
- A—E. O. Sessions—Lafayette, Cal.—671x700
- B—Lawrence Victory—Auburn, Cal.—666x700
- C—Glen Hendrickson—Watauga, South Dakota—650x700
- D—Ernest Magee—Newport, Oregon—613x700

Shooting records, like batting records, are made to be broken. During 1961, Kathleen Wells Fitchett, of Baltimore, Maryland broke the long run record by women shooters in 28 gauge tournament competition set by Chicago's Carola Mandel in 1954. Mrs. Fitchett's long run of 160 broken targets betters by 32 targets the record set by Mrs. Mandel.

And Peter Candy of Los Angeles was still going strong when he reached a new record of 1357 12 gauge consecutively broken targets, in tournament competition. At the figure of 1357, Candy is 336 targets up on the former record set by Jack Boardman of Augusta, Georgia in 1950 and 1951. At the rate he is shattering targets, Candy could put the 12 gauge long-run record in the same hard-to-beat category as Babe Ruth's 60 homeruns. Pull! will keep you posted on this clay target marathon.

The third annual Kalamazoo (Mich.) "Gazette" Junior Shotgun program broke all records for participation. Nearly two hundred youngsters fired at five regulation trap targets each, at the Stevens Gun Club, after

receiving basic instruction in shooting education provided by instructors from the host club and other local gun clubs.

Bob Atherton, popular editor of "Cosmopolitan" magazine, represented the Fourth Estate and Bucks County, Pa., at the 1961 Grand American. Bob broke 97 per cent of his 16 yard targets in his first trip to the Grand, and picked up some information which may well get his name into these pages as a winner in future years.

Howard Confer, Detroit, broke 'em all (100 straight) to win the 1961 Michigan All-Gauge skeet championship. Larry Smith of Birmingham posted 345x350, down just five targets from a perfect score, good for the High-Over-All trophy. Well over ten thousand shells were fired in the Sunday all-gauge event during the 1961 Michigan state shoot, with only 55 shells used for proof doubles, malfunctions, and broken targets, which elicited special praise from the referees who handled the shoot.

Michigan's unique five man team method of selection drew attention and praise. The winning five man team was made up of Howard Confer, all-gauge champion and 2 man team champion, with a score of 100; D. Jeanne Shields, Lady Champion and 2 man Team runner-up, with a score of 99; David Helm, with 92 broken birds; Sam Curcurn, Class E runner-up, who posted 95; and the Class B champ, Robert Cox with 99. The winning team total was 485x500.

The team of Jack Pattyn, Stan Galehouse, Joe Welch, Keith Sattler, and Robert Martin took runner-up honors with an aggregate of 481x500.

Only 19 targets separated high and low scores, from an entry of eleven teams and fifty-five shooters. Only 2.56 targets was the difference between high and low team averages.

Michigan has held 32 registered shoots in the past three years. Frank Keffer and Larry Smith have attended 29 of the 32 shoots. Len Moody has been on hand for 25 tournaments. Donovan Cutler and Ted Hannaford have made 24 of the Michigan battles, while Chet Crites and Howard Confer are just one shy at 23 shooting days.

Dr. Adolph Dasler of Muskegon is president of the Michigan Skeet Association. Marion Shields of Grand Rapids is vice president. Stanley Galehouse of Elsie is secretary-treasurer. Address of the Michigan State Association is simply Elsie, Michigan.

Newly elected directors (two years) in addition to Shields and Galehouse are Ted Hannaford, D. C. Cutler, Wayne De Vall, and Wayne Somerlott.

Directors with one year remaining are: Howard Confer, D. Jeanne Shields, Dr. Dasler, Bob Thiefels, Leon Brewer, Ralph Davis.

Two hundred and thirty boys gave up a lunch hour and one class period to receive basic instruction in wingshooting and a course in shooting education at Merrillville High School, south of Gary, Indiana. Your Pull! columnist provided the wingshooting instruction on the school's athletic practice field, using a Lark station wagon with two practice traps mounted on the luggage carrier. Three Indiana conservation officers joined in bringing instruction in gun care, field procedures and compliance with state regulations at a lecture session in the school gymnasium.

Some of the boys complained that they were slightly hungry at the end of the two-hour session, but Principal Henry Wichmanowski and teacher James Holderman, who sponsored the program, report that the boys interviewed at the conclusion of the program were impressed and enthusiastic. Wichmanowski and Holderman labeled the activity a successful education program.

Three boys physical education classes in Clark High School, Hammond, Indiana, under the supervision of Coach Joe Franklin, recently received wingshooting instruction on the school athletic field, and shooting education classes in the Clark gym. Carl Lyle, athletic director for the large metropolitan Hammond school system was an observer of the program. Lyle expressed interest in fitting the instruction into the entire Hammond school system.

Waukesha (Wisconsin) Gun Club's annual Hunter's Special 50 target trapshoot drew the largest crowd in ten years, including a record number of feminine entries. Twenty-one ladies entered the Waukesha Hunter's Special. Anette Schimenz broke a nifty 45 to lead the ladies. Don Savatski topped the field of 125 entries with a near-perfect 49. Attention all gun clubs: forty-one of the Hunter's Special entries shot the open program scheduled on the same day, and 52 of the Hunter's Special hopefuls joined the ATA at the close of the shoot. If your club does not schedule Hunter's Specials, it is overlooking perhaps the best source of more shooting and more members. Information on conducting Hunter's Specials can be had free from Sportsmen's Service Bureau, 250 East 43rd Street, New York 17, New York.

Mrs. Lee Mabie of Evanston, Illinois, whose name is written large in this nation's skeet shooting annals, is well on the way to a new shooting career, this time in the game of trap. Lee broke a sparkling 95 in the Vandalia Handicap during the 1961 Grand American. Shortly afterward, she won the Lincoln Park Gun Club 16 yard club shoot, and was runner-up in the club handicap race. This takes some doing at Lincoln Park Gun Club, where shooters are good, and plentiful.

Bill Prell is the new trapshooting chairman at Chicago's Hilldale Gun Club, and plans a very active trap schedule for the coming year, including some instructional events for youngsters and parents.

LONG SHOTS ARE FOR BAD HUNTERS

(Continued from page 17)

in trying to guess the range. At 600 yards, this stretched to 34 per cent; and at distances beyond 1000 yards, the error was 42 per cent. You won't hit much at 1000 yards with sights set on that bad an estimate!

These figures are based on the very first tests. After our course of sprouts, which lasted for 12 extremely intensive weeks, the error out to 1000 yards had been reduced for both groups to a common average of only 12 per cent, which is extremely good; especially good at 500 yards and beyond. It also shows regardless of background, whether country hayseed or city slicker, our young American catches on quickly. These bucks, subsequently, must have called down a lot of god-awful accurate fire on the Wermacht. They had learned their lesson well because, during the shank end of the course, anyone who missed a range calculation by more than 10 per cent had to double time out to the target and back!

What I am coming to after this lengthy preamble is that the average American, whether he be a sharp young soldier out to earn his 2nd looney's bars or a sportsman intent on hustling a big Stone ram, can't judge distances for sour apples.



During World War II, author directed an OCS course in range estimation.

These days, whether written up in the fishing-pole-&-coon-chasing journals or recounted over highballs in the evening, there is a veritable plethora of strictly cock-and-bull sagas about how far the game critter is killed. And it does not matter whether the target is a bull moose or a West Virginia woodchuck, the raconteur considers his legend isn't worth the telling unless he claims to have accomplished the mayhem at nothing less than 500 yards.

The worst offenders on the score of these across-the-country hits are the gun-writers. These worthies take dead aim with their trusty typewriters, and they simply never miss. Now, many of these guys are friends of mine, and they're outstanding riflemen. They ought to be; given the best equipment and free ammo and travel expenses plus salary for 12 months hunting per annum, a man just naturally should be pretty good. But the average guy who goes hunting doesn't have those advantages or that skill; and the average guy is prone to believe what he sees in

print. He's prone also to figure, "If the experts do it, that's how it should be done." Than which nothing could be further from the truth—and than which nothing could be much worse for hunting.

Let's analyze this extra-long-range game shooting for a moment. What are the implications here?

It's as plain as the nose on your face that the gent who is content to shoot across two canyons is a dam' poor hunter. He is either lazy or he isn't stalker enough to bring the game in range. As a poor substitute for a little real Injun ability, he whangs away at extreme yardages, thereby showing up his own sorry skill as a hunter.

The real outdoorsman approaches his game with a consummate skill. He brings to bear every last iota of his game-lands know-how, watching the wind, studying the lay of the land, plotting his strategy of approach, selecting long before he reaches the spot the precise point where he will deliver the shot. Time means nothing to him, nor distance. If the stalk is going to use up an entire morning, if he must creep on all fours for three-quarters mile, if he must risk his neck in the dangerous going, and finally, half-frozen, stiff, tired, and cold, he can deliver an absolutely deadly shot from 65 yards, he is happy.

This is an honest-to-God hunter in action. The shot is only the culmination of the very essence of the chase.

I take my hat off to this breed of Nimrod. His ability, to me, exceeds by ten times the knucklehead who sights his game at three furlongs, holds over the buck's back, hauls hard against the trigger, and then trusts to luck that the spent bullet will somehow luck into the poor critter's flesh.

Last year, in Africa, I took over a new rifle, a gun which was not yet on the market. The manufacturers and your curious correspondent wanted to know what it would do on the varied fauna of the Dark Continent. I shot 22 game critters with it, 15 of 'em with one shot each. This gunning stint burned up 34 cartridges all together, and the average distance for the shooting was only 142 yards.

Two years before, I'd been in Kenya for the very same purpose. On that occasion, I had another new shooting iron, the .338 Magnum. It was not yet given over to the public, and we were pretty anxious to see how it was going to perform on Africa's varied game. It did very well indeed. I busted a total of 19 trophies, some of the game running up to 1500 lbs., and of these, 13 succumbed to one shot each. Thirty rounds were pooped off altogether, and the average range was only 124 yards.

When I got home again and wrote about this, I had a letter from an irate reader who complained, "Why'n bell didn't you back up, Buster, and give the game a chance?"

Jack Boone, who was then the sales manager for the gun firm turning out the new models, said it was the first time in 30 years of collecting data on the performance of his guns and loads when any such off-the-muzzle accounts had ever reached him. He said it made refreshing reading.

While these shooting chores were being tidied up, an old amigo of mine, a gun-

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writing hack like myself, was also on safari. We weren't so lucky as to cross trails, but subsequently I read his account. His shooting ran to 300 and 400-yd. shots. I think maybe he sent the blacks out to shoo the game off to those yardages so he wouldn't be criticized by his reading clientele for taking advantage.

Of course, there is also the question of just what unit of measure the hunter-racconteur is using when he commences to spin his whimsies. There's the metric, and the old English—and then there's also the Hunter's Yard. This latter unit has no precise linear dimension. Unlike the old English, which is pretty well pegged to a prosaic longitudinal of 36 inches, the Hunter's is remarkably resilient. It contracts and expands, depending upon the telling. This makes it an exceedingly versatile unit for the tall-tale teller.

These Munchausens-in-print would be amusing except for the fact that they do infinite harm. They persuade a lot of naive souls to emulate them, attempting these impossibly long shots. The end result is wounded game. And even if, luckily, the target escapes unscathed, the confidence and interest of the tyro sportsman is hurt. Far better for the writing ham to pull less of the long bow. Let him confine his typewriter to shorter shots and, in the long run, it will benefit the hunting sport far more. It will earn him greater respect from his woods-wise readers.

One of the best of our big game cartridges is the venerable .270 Winchester, a load which has been around since 1926 but a good one despite its antiquity. The best bullet for the .270 is the 130-grain, which leaves the muzzle at 3140 ft. per second and at 200 yards has a trajectory of only 2 inches. But what does the .270 look like at 500 yards? Well, if sighted in for 200 yards, which is common, drop at 500 yards is 43 inches.

On mountain sheep, a target sometimes attempted at this unnecessary range, the vital area is represented by an area some 12 inches in height by 14 inches in breadth. We aren't talking now about lucky hits in neck or spine nor yet the head. We are talking concretely, practically, getting down to cases. The 12x14 rectangle represents the useable target. A

real good .270 will shoot into a minute of angle at 100 yards. But few of them will hold this minute angle out to 300 yards, much less to 500. Few will hold within twice that variance at close ranges. Calculate, if you can, the fall of the bullet, the influence of the wind which is always blowing stoutly in the high country, plus the loss of accuracy at the extreme distance, and you have a trio of



factors which spell out the futility of such shots. Besides, who can describe what a 43-inch hold-over looks like at 500 long yards?

The .270 starts its 130-grain slug at 3140 fps, which is a right handsome going away speed. But this zip and dash has sure been watered down by the time it reaches out to 500 extra long steps. Then it is just loping along, a bare 1250 ft. per second, no faster actually than some of our hotted up .22 long rifle slugs. And as for energy, while the bullet can claim 2840 ft. lbs. at the muzzle, by the time it reaches this distant target this initial energy has wasted away to about 1000 ft. lbs. The now thoroughly obsolete .219 Zipper, with its peewee 56 grain bullet, has more muzzle energy than that; it boasts 1200 foot pounds. And who is going to seriously consider shooting a big Dall ram with the .219?

Look at the '06. It is one of our best big game cartridges. With the 180-grain bullet, acknowledged the best, we drop off from a starting speed of 2700 feet per second at the muzzle to a dragging slowdown of only 1275 fps at 500 yards. When zeroed at 200 yards, the fall of the bullet at 500 yards is a staggering 91 inches below the line of sight. Now, 91 inches comes out to 7 ft. 7 inches, and if that is applied to our sheep with his 12x14 inches of vital area, it is going to necessitate some mighty fancy hold-over to hit. Energy is down from a start of 2910 ft. lbs. to a

piddling 700 foot pounds. The .357 six-shooter has more muzzle energy than that.

Trainloads of deer, some elk, bear, and even antelope are shot with the time-honored .30-30. At decent range, this gun and load is a truly great hunting combo. That is to say, at ranges of 200 yards and under. But what does the old .30 saddle carbine look like when some pilgrim, all fired up by this current schizophrenia for 400 and 500-yard shots, tries one of these? The little .30-30, sighted in at 100 yards, drops below the line of sight some 128 inches (10 ft. 8 inches) going on out to 500. Energy stands at that distant mark at a puny 475 ft. lbs., just equal to the dinky little .25-20 at the muzzle.

One of our newest numbers is the .264 Magnum. It gets off the mark at 3200 feet per second with its 140-grain bullet. Energy holds at 3180 ft. lbs., muzzle measured. At 500 yards, the velocity figures to 2100 fps, and energy is given as 1350 ft. lbs. When sighted in at 200 yards, the slug will fall 35 inches going on out to 500.

Do you know what 35 inches looks like when holding over the vital area of a kingly old ram? A target with a vital area only 12x14 inches? With a wind whipping down off the peaks which is blowing steadily across the path of your bullet at 20 miles an hour and gusting to 35 miles every few minutes?

Hyper-range poppycock is by no means confined to the rifle writers. It has its share of bull shooters among the scattergunners too. The current fad is to talk about 80 yard duck-and-geese guns. One advertisement told about a trapshot who killed ducks at 100 yards! What, really, are the facts?

To kill a goose at 80 yards, you must hit him with not less than 5 pellets, and these must smack him with not less than 15 ft. lbs. of energy. This is the bare minimum of force which we believe will do the job. A No. 2 pellet at 80 yards has only 1.78 ft. lbs. of energy. This multiplied by 5 pellets, does not give us our required 15 ft. lbs. of striking energy. Very obviously it is going to require about 8 to 9 pellets, No. 2 size, to fetch the old gander down. Tests of the 10 gauge super magnum, shooting the 3½-inch shell holding a full 2 ozs. of shot, 10 rounds, got us a total of 26 pellets on the count of a goose. This is an average of 2.6 hits per shot, and this multiplied by our per pellet energy factor of 1.78 ft. lbs., shows the goose would suffer a blow of only 4.62 ft. lbs. This is just enough to wound the bird. And this, gentleman, with just about the mostest gun any jasper now shooting is likely to carry.

The point I make is double barreled. The goose you puncture at 80 yards goes away to die, but you don't eat him—whereas if you had waited for the one that came in to 35 or 40 yards, you'd have had a clean kill and a fine dinner. Likewise, the buck or ram you wound at 500 yards will die and the coyotes will feed—but you won't. If you'd Injured up on him to 100 yards or less, you'd have both meat and trophy.

You don't go hunting to prove your long-range marksmanship; do that on a target range. You hunt for sport, and meat, and heads to mount—and you boast that you're a sportsman. Prove it by rejecting those long-long shots and making clean kills at decent ranges.

And when you write about them, don't stretch those ranges! Some sucker might believe you and try to do likewise.

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THESE GUNS REFUSED TO DIE

(Continued from page 21)

Louisiana marshes of quite a few nutria. These guns speak with a vengeance, a boom that rattles your teeth. They throw a cloud of black powder smoke that delights the nostrils. They take awhile to reload, and they must be cleaned often; but they hang on the hip with authoritative weight, they are accurate, they look the way a handgun should look, and to a Civil War buff or a muzzle-loader addict they are a virile relief compared to streamlined, modern cartridge pistols of equal or almost equal caliber.

Navy Arms Company, Inc., was first on the scene with mass-produced replicas. Val Forgett, Jr., President of NACo, made a deal with Gregorelli Vittorio, Gardone Val Trom-

Facts and Figures

According to a recent survey by the Bureau of Sport Fisheries and Wildlife, 30,400,000 hunters and fishermen combed the woods and whipped the streams in these United States in 1960. That's 4½ million more than pursued these sports in 1955.

Those hunters and fishermen traveled 26.4 billion miles on their hunting and fishing trips. They spent 568 million man-days afield. And they spent 3.9 billion dollars.

That's \$3,900,000,000. It's also a figure that just might impress your lawmakers (at any level!) next time there's a piece of anti-gun legislation in the hopper.

frame and perfect balance, make them a joy to behold and a joy to shoot.

The New Model (Remington) .44 caliber Army weighs 43½ ounces and measures 13½ inches long. It, too, is percussion, single action, and a six-shooter. It has a blade front sight and a V-notch in the rear of the top strap. Its stock is of two-piece walnut. It sells for \$89.95.

Forgett's model of the Remington M1863, .58 caliber Remington Zouave rifle is another beautiful piece of work. The original saw service in the Civil War and was acknowledged to be the most accurate military rifle of its day. In the hands of Civil War vets, it helped open the West as a means of protection and getting food. It has a one-piece walnut stock, brass barrel band, fore-end tip, butt-plate, patchbox and trigger guard; a case-hardened lock plate and hammer, bayonet lug on the right side of the barrel, steel ramrod, extra nipple and ramrod worm in the patchbox.

The Zouave is a percussion, single shot rifle. It measures 49" in length, weighs 9¼ pounds, and has a blade front sight and a three-leaf folding rear sight.

Forgett and Navy Arms will release soon, or may have released by the time this is published, a Sharps 4-barrel derringer, a Kentucky pistol, and a Remington pistol carbine.

In addition to their guns, NACo stocks a complete line of accessories: powder flasks for pistols at \$20 each; for rifles, \$22.50. Holsters sell for \$9.95 (black "Yank" hol-

pia, Italy, back in 1959 to manufacture models of the .36 caliber M1851 Navy Colt and the rare, brass-framed Griswold & Grier Confederate Colt (see cover). Although the Vittorio firm makes parts for Beretta and other gun makers, their license restricts their gun manufacture to "antique replicas" only. Brescian barrels and other gun parts manufactured in the Gardone valley have been held in high esteem by the world's shooters since the 16th century. The "Yank" (Forgett's trade name for the Navy Colt) and the "Reb" (name given the copy of the G&G) are no exception. Italian craftsmen responsible for interpreting the blueprint and giving the last touches to detail finishing have the imitations of Sam Colt's gun perfect to a gnat's eyelash.

The "Yank" and "Reb" are percussion, single action sixshooters. They weigh 41 ounces and are 13" long. The sights are gold head front and V-notch in the hammer. Stocks are one-piece walnut. They both sell for \$89.95. The "Yank" has a color case-hardened frame. The "Reb" is brass framed to resemble the original, which was made from melted, recast church bells in Macon, Georgia.

Navy Arms and Vittorio team up to manufacture other replicas also. Their models of the Remington .44 caliber New Model Army Revolver and the .36 caliber New Model Belt Revolver will cause any dedicated handgunner to wonder why the brothers Remington, Sam and Eliphalet, 3rd, ever had to get into the sewing machine and typewriter business because of a depressed market for their classic pistols. These revolvers are, in this writer's opinion, amongst the "cream" of both 100-year-old guns and their 1961 counterparts. The top strap and heavy action, the rugged

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ster) and \$7.50 (russet "Reb" holster). Bullet molds are \$9.95 each; percussion caps are about \$1 per box of 100; musket capper costs \$7.50; display cases, single \$20 and double \$35. Centennial sells bullet molds, flasks, and caps. Dixie sells the whole works. These "extras" make available the needed equipment for those who are being initiated into the black powder clan, and are healthy replacement items for those who have been popping caps for quite some time.

Centennial Arms Company is another impressive entry into the replica field. A little more than one year old, their present products list includes a cartridge revolver made especially for them by a company over 125 years old!

This item is the Colt's Sheriff's Model A5. It is a genuine Colt's Single Action Army with a 3" barrel and is, technically, a second issue of the gun made by Colt's in 1890 to add diversification to its catalogue listings. When asked about Colt's deal with Centennial Arms for this special run of 500 snub nosed revolvers, Colt's Sales Promotion Man-

ager said, "As to our arrangement with Centennial Arms, the only information I can give you is that we agreed to specially produce the Sheriff's Model in an undisclosed (actual number later released by Centennial) quantity exclusively for Centennial Arms. Colt's policy is that we will do this sort of a job for any company that is willing to place an order in sufficient quantity to justify our making up a special order."

Other shooters and collectors will certainly share my congratulations to Sig Shore, President of Centennial, for choosing this mighty midget for his "special job." This sawed off model of the Single Action Army has a special appeal all its own. In addition to its aura of historical glamor, it is a very handy protection piece, and its walnut stocks, color case-hardened frame, and serial numbers ranging from 001 SM to 0500 SM, make it a real temptation to gun bugs. Although a few are sold in nickle plated pairs, the standard model retails for \$139.95. There is no extra charge for consecutive serial numbers. In this instance, we feel safe in saying that

Colt's is actually making and Sig Shore & Co. actually selling a very valuable collector's item of tomorrow.

Centennial's first gun was the 1860 New Model Army .44 caliber cap and ball version of the original weapon. It weighs 44 ounces, is a sixshooter, has a barrel length of 3", two-piece walnut stocks, blade front sight and notch in hammer, and a beautiful case-hardened frame. It sells for \$89.95. Those following this Army are: Stocked pistol carbine with a fluted cylinder, a copy of the scarce First Model Colt Army. It sells for \$139.95, with stock. (The stock is legal because the gun does not fire a self-contained metallic cartridge.) The fluted cylinder pistol, sans stock, sells for \$89.95. Their smooth frame Civilian Model has silver straps and an engraved cylinder, which brings the price to a reasonable \$59.95.

New releases planned by Centennial are the Whitneyville-Hartford Dragoon with Walker frame; the No. 2 Dragoon square-back guard with rectangular stops, and the No. 3 Dragoon with 8" barrel, folding leaf rear sight, and shoulder stock. According to Bill Edwards, Technical Director, "We think we can keep our pistols under \$100, with those with stocks attached running a little over one-third more."

The guns are made in Liege, Belgium, by the firm now owned by Albert and Paul Hanquet. Paul is the great-grandson of the Hanquet who, in the 1850-60 period signed a letter from Sam Colt to the Liege Gun Trade stating the conditions under which they might manufacture revolvers according to his 1849 Belgian patent. These "conditions" specified high quality and payment of a royalty of 10 francs (worth about \$2 gold in those days, as compared to about 20 cents now).

Hanquet is one of the premier Belgian gunmakers. The replica barrels are made by a barrel maker who supplies the forged, drilled, reamed, and rifled blanks to Roncarati, a machine shop in Liege. Roncarati machines the barrels to shape, coils the loading levers, and machines the frames from solid forgings. Finished guns are assembled and sent to the Banc d'Eprouve de la ville de Liege. They are proof tested with a heavy charge of shot rammed home on a heavy, wadded charge of fine black proof powder. Each pistol bears the famous "Elg-Oval" which is the mark of the Liege proof house, and the distinctive "Perron de Liege," the arrow-shaped mark which is a stylized rendition of a famous water trough surmounted by a water tower in the market place at Liege.

Centennial's good name is not only vouched for by these famous proof marks, it is also backed by a man whose reputation for gun know how and honest trading has made him the largest individual gun dealer in the country. The Shore Galleries, operated by CA's president, Sig Shore, is a nationally known auction gallery in Chicago. They hold regular gun trading sessions every six weeks or so, and sell upwards of a thousand guns at each sale.

Turner Kirkland, lord and master of Dixie Gun Works, Inc., in Union City, Tennessee, is no arm chair executive, either! His letterhead lists the purpose of his company as "Rare Antique Gun Supplies," but his remarkable catalogue extends this to include many replica guns. He is a member of seventeen gun collectors' associations, an officer in many of them, and a Life Member of the NRA.

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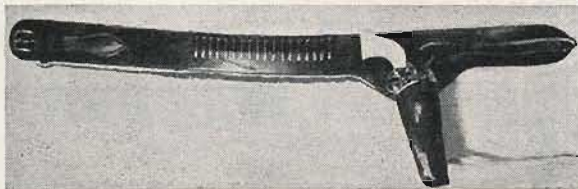
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One look at the delicately beautiful, Belgian-made "Dixie" percussion rifle, flint rifle, half-stock target rifle, and Kentucky pistols causes gasps of admiration from connoisseurs of this genre. Turner Kirkland has developed replica guns that accomplish a more realistic purpose than serving as magnificent decorator pieces for any home. His guns shoot, and he himself is a perfect example of the hundreds of gun buffs who buy his guns for shooting.

He told me, "When I was a boy during the thirties, living in West Tennessee, the only gun I had was a muzzle loading shotgun. At that time, there was little appreciation for muzzle loading weapons, but my bags of doves, quail, ducks, squirrels, and rabbits stimulated plenty of attention amongst the older men who were shooting the modern guns. During recent years, I have prolonged the fun of black powder hunting with the replicas we sell. I have hunted large and small game throughout the United States, including a session with elk in Idaho. I killed a tiger with one of my "Dixie" rifles on a hunt in the Yucatan. I've put a .40 caliber ball from a flintlock all the way through a deer at 100 yards. Honestly, there is something about the muzzle loader's 'one shot' chance for success that has a strong appeal to any sportsman who tries it."

He is so right! It takes a special skill to handle a muzzle loader efficiently enough to kill a tiger in a tense situation. As one perceptive writer stated recently, "The long rifle was a weapon designed specifically to tame the American wilderness and has approached the honor of becoming the most accepted historical implement-emblem of that era. Our long rifles must be accorded the very highest honors in any appraisal of folklore. They are uniquely American and are wrapped in the legendary spirit of the early America. In terms of daily usefulness to thousands of ordinary people, the Kentuckys proved the most accurate long-range, high-velocity weapon in the world!"

What more reason for owning a Kentucky replica than historical glamor, meeting the same challenge as a buckskin clad ancestor and enjoying the same rewards?

Colt's Patent Fire Arms Manufacturing Company, Inc., in the truest tradition of its 125-year-old history which includes the invention and manufacture of the originals of the majority of today's replica handguns, has not ignored its dealers and its customers in the current revival of interest in old guns. They have left the rejuvenation of their cap and ball guns to the newer companies, and have concentrated on re-establishing the models that are universally accepted as the symbol of the American West. The Single Action Army . . . the Frontier Model . . . the Bunline . . . The Sheriff's Special . . . along with their derringers, are enjoying a most successful comeback.

In September, 1961 Colt's offered, for the first time in their history, a revolver that can be called a copy instead of being categorized as a duplicate issue. They are selling, through their dealers, a Civil War Centennial Model Colt. It is a reproduction of the Famous Colt .44 M1860 Army. It is a modified replica that will find a tremendous market amongst handgunners who are infatuated with the look, the feel, and the historical significance of a gun that marched with the Blue and the Gray from Manassas to Appomattox, but who are not black powder enthusiasts! The Centennial

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This single-shot Copy Colt by Colt's has the famous royal blue finish, gold-plated strap, hammer, and trigger guard, and is packaged in a "politically neutral" presentation case which includes lining of both the traditional blue and gray colors. It is stamped "Colt's Civil War Centennial Model" in gold lettering. It is packaged in singles and in matched pairs. The price is certain to appeal to gun fanciers, collectors, and antique lovers, or anyone looking for the perfect gift for any occasion. The single sells for \$32.50 and matched pairs, with consecutive serial numbers, sell for only \$59.50!

There are other replica makers and other companies attempting to mass produce "copy" guns, but they have not as yet made a strong bid for public acceptance. This can be attributed to one of two things, either they are individuals who handmake every gun from "a to izzard" and who have more orders than they can handle, or they are firms whose products have failed to bring a sufficiently profitable demand to support advertising expenditures. Guns made to order by gifted craftsmen are very expensive—and they are frequently frowned upon by legitimate collectors and manufacturers alike because they are, in some cases at least, more nearly "counterfeits" than honest "duplicates." That is, they may be palmed off as high-priced originals by unscrupulous owners. The companies herein mentioned prevent this by

slight but distinguishable differences in design and by permanent stamped-in identification markings.

If I were to have any criticism of the muzzle loader manufacturers, it would be in the form of a reminder that not all of their customers know the "ins and outs" of loading and breaking down the replica guns. Many novices buy some of these items, which are shipped without instructions, and then find it necessary to hunt up a collector or an old-timer to get a briefing on how to arm and clean them.

Oddly enough, this oversight can furnish irrefutable proof of the unerring work and attention to detail that has gone into the making of the "Copy Colts." Any new owner who fails to get loading and cleaning instructions with his gun can go to the nearest library, borrow any volume that deals with Colt's history, turn to the page topped by an illustration of the .44 Army and, following 100-year-old instructions below the illustration, correctly and safely load and break down the M1961 .44 caliber and .36 caliber guns.

Where gun lovers are concerned, history is repeating itself. New generations of shooters are "discovering" the sporting pleasure found in firing at targets or game with the same type weapons which won their heritage of independence, freedom, and the respect of those who, figuratively speaking, still hesitate to face an angry American with a loaded sixshooter!

And for those who can't find the books above mentioned, GUNS will carry in an early issue an article on the care and feeding of muzzle loading revolvers, ancient or replica.

SECRETS OF GAME CALLING

(Continued from page 25)

when calling steadily.

This deliberate stop-and-go approach will lure a fox more slowly, with the animal circling and looking and smelling. But when it does get close, it stays close longer, and with some muffled coaxing on the call, it can be tempted right to your feet.

The hunter who prefers the steady, loud call should move frequently, at least a half mile or more between each stop. About ten minutes in one place is sufficient. The stop-and-go method, however, requires longer, at least twenty minutes or maybe even thirty. There always is that tendency to rush, so check your watch regularly to give the critters ample time to answer.

The dividends of this meticulous pause-and-go approach often are quite rewarding. The longer you remain in one spot, the better are your chances of outwitting a lingering bobcat, or perhaps a rare bonus of a mountain lion if you live in the right country. A wildcat takes its time about answering a call, and it comes slinking through the brush as if to sneak up on what is at the source of the crying. But there is no calling thrill which can quite match that magic moment when one comes sidling out of the cover, cat-footing along like a big tomcat stalking a mouse.

One of the most difficult critters to fool is a coyote. It has sonar hearing and radar eyes. There are times when you'll cross paths with eager coyotes that come rushing in like a wind-whipped forest fire, but usually they'll

be looking and listening, ready to react instantly to the slightest blunder of the game caller. One can run up close, take a split-second look and be gone before the caller comprehends what is happening.

I recall an incident last fall which is typical behavior for the coyote. The Burnham brothers and I were snuggled behind a streak of brush angling across a South Texas prairie near the crossroads community of Encinal. We were in camouflage clothing and well hidden in some tall grass. Soon after Winston started calling, two of the gaunt critters popped from the thorny brush on the distant side of the clearing, lopped out into the open a couple of dozen yards. Then, for some inexplicable reason, they wheeled and jumped back into the brush. No amount of coaxing would bring them out again. What alarmed them, I still don't understand. The only logical explanation is that a super-sly predator like the coyote has a sort of sixth sense which forewarns it of danger. In the everlasting struggle for survival in our animal kingdom, predators have to be doubly sly to live to an old age.

In calling coyotes for many years, the Burnhams have learned a few tricks for outwitting the critters. One thing they discovered, for example, was that a coyote can take in what's happening on the ground with one sweeping glance. But it seldom looks up. Climbing to the top of a vehicle, or into a treetop, gives the caller a commanding view of the surrounding country, and he is up

where the coyote won't readily detect his whereabouts.

Another time, we were floating along the shoreline of Lake Falcon near the Texas-Mexico border, calling. Coyotes evidently never expected the cry to come from the water, for they trotted right down to water's edge with no visible fear whatsoever. We've tried the same trick while drifting down a slow-moving Mexican river, and the coyotes would run right along the shore to see what was causing the ruckus.

Frequently is is something a little different, acquired through experimentation, which proves the secret of an outstanding calling success. Once on a Mexico game-calling safari, the Burnhams and I were finding the cooperative coyotes few and far between. Then Murry suggested that we try something new—all blow on our game calls simultaneously to see what would happen. It was the most awful racket you can imagine, but it was a real golden idea. Coyotes literally tried to crawl all over us. Since then, we've used the trick successfully on foxes and bobcats in our central Texas bailiwick.

The basic rabbit-in-distress cry with a commercial call is fairly easy to master. But it usually isn't the call itself which makes a difference anyway. It is the variety in tone. Many hunters find it difficult to tone their calling down quietly without losing some of the life-like effect. Of course, there are different calls designed for both long-range and short-range calling. Yet one of the most effective calls for close-in work is improvised merely by sucking against the palm of the hand with compressed lips. Try it. You may have some trouble in keeping a steady call at first, but a little practice will soon help you to fool the critters.

When you first detect incoming animals—or eyes, if you are calling at night—tone your call down softly, very softly. Put all the distress possible into it. This is what prompts animals to come real close to see what is going on.

In long-range calling, there are two distinctively different calls which have worked for the Burnhams and me. One is the dying-rabbit call; another is something like a crippled bird shrilling. This latter call can be made with a conventional crying-rabbit call by trilling the tip of your tongue against the mouth of the call as you blow.

Two of the cardinal rules of game calling are—remain still and hidden—and be sure the breeze is blowing into your face so that incoming game won't detect your scent. The wind is one of the real important considerations in calling. Still, cool days and nights are best, since the call will carry a long way under optimum conditions. The more wind velocity, the more of a handicap it becomes. It keeps the call from carrying for long distances in all directions. To keep hidden we've found camouflage clothing to be helpful, even at night. Many callers associate hiding only with daytime calling. During nightfall it is equally as important, particularly in moonlight when the animals can spot the caller's silhouette. When the moon is up, even if it is only a faint sliver of orange in the black sky overhead, back up against a tree or bush to break your silhouette.

Unnatural noises, like talking, also work against the caller. I remember one night when I climbed from the pickup and started to push the door shut. Murry grabbed my

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shoulder, took the door and gently closed it. "If there's a fox within 500 yards of us, that slamming door would alarm him and he wouldn't answer a call," Murry whispered. "You never know where you'll stumble on to one of the critters."

Noise, as I found out later, affects game calling in several ways. Once I suggested to the Burnhams that we try calling near a swift-running stream near my home where I'd discovered the tracks of both foxes and raccoons. Winston explained that it would be much better to get away from the stream a half mile or so to call. This way we'd be intercepting the animals on their way to water, yet we'd be away from distracting noise of running water. "For best results your call should be loud and clear," he added, "and the running stream would only muffle it and cut down on the effective calling range."

A shotgun is a good game-calling gun for the beginner. It handles fast and is deadly at short ranges. I prefer a 12 gauge with No. 4 shotshells. For all calling, it probably is the most effective gun. But I prefer to use a rifle or handgun, because these two give the sport more of a challenge.

Any varmint rifle with open, peep, or scope sights is okay for day calling. Our minimum loads are .22 WRF Magnum for foxes and raccoons; the .222 for coyotes and bobcats with something in the .243 or .244 class being better; or a .357 Magnum if the handgun is chosen.

At night, a scope sight is a necessity. It must be a quality scope which captures and intensifies the light. A post or dot is better than crosshairs, since either shows up more

readily when the only light source is a headlamp. Although it is bulky to carry and handle, a handgun equipped with a scope is particularly effective for night shooting, and after nightfall is the easier time to outwit the prowling predators in search of food. Most hunters, particularly those just starting at the sport, call either late in the afternoon or at night because these are the most convenient times.

The Burnhams once showed me a new twist to calling that has paid dividends ever since. We were coyote hunting in the brush country around Laredo and having only fair-to-middlin' success. The brothers suggested we try early-morning calling, around daybreak. The initial attempt the following morning brought in four coyotes, and we nailed a pair at ranges of less than 25 yards. This period of the day is especially effective because the countryside is quiet, because there is seldom any wind, and the predators haven't yet bedded down for the day. Often the Burnhams sleep until around midnight before starting to hunt. They've found this span between midnight to around sun-up to be the peak moving period for predators.

Game calling has many fascinating facets, each one bringing a new and different thrill. Any hunter appreciates most the offbeat tricks he learns for himself, and the only way of gaining such intimate knowledge is to hunt regularly. But often this process of learning is long and drawn-out, much too lengthy for the hunter who gets afield only once or twice a month. Perhaps these secrets we've outlined here will give you a short-cut to success.

"A LION FELL ON ME"

(Continued from page 28)

again. "This same lion has killed a woman and her daughter between here and the water of Tabda," he said gravely. "The lion has eaten the young girl. She was 12 years old. . . . You have the greatest hunter in all of Somalia here at your camp," the sergeant, added. "He is the man who can kill the killer lion."

I swelled with pride. If my hunting accomplishments had reached to Beles Cogani, this was news indeed. But my egotism was punctured abruptly the next morning, when it developed that the great hunter to whom the sergeant referred was not myself at all, but our head elephant tracker, Kula.

Kula, an ageless kind of man with clean-cut features and a very dark skin, we had picked up at the town of Afmadu on our way south to Beles Cogani. I had liked Kula immediately, and I hoped that he liked me. He had a marvelous sense of humor, and the joke was usually on me. He certainly could track elephants. Often after we had tracked 20 miles or so to have a look at some big-footed bull, and the elephant turned out to have tusks with the dimensions of knitting needles, we had a good laugh together as we walked back to wherever we had left the Land Rover.

It now developed that, in addition to his tracking ability, Kula was "arganti." Belli explained to me that the Somalis recognize several grades of hunters. When a Somali kills his first animal with a bow and arrow, he becomes "irin." The Somalis use poison made from a tall grass called "uabahayo." If an animal is struck with this potent poison, he dies in an hour or so. The trick is to get close enough to a kudu or a hartebeest to

get an arrow into one. If a Somali hunter gets brave enough to stick a poisoned arrow into an elephant, rhino, buffalo, or a lion, he becomes "alghen" which is the highest grade of hunter. A very few Somali hunters have killed all of the dangerous animals, including a giraffe. The giraffe is not dangerous but is the most difficult animal of all to approach because, from the elevated position of his head, he can see everything. If a Somali has killed all of the dangerous animals including a giraffe, he becomes "arganti." Kula, Belli explained to me, had been arganti for ten years. Kula, I would guess, was about 35 years old.

Perhaps to salvage my deflated ego, Kula did not carry his bow and quiver of poisoned arrows when we started out after the killer lion of Tabda. Kula was very much impressed with my .375 Weatherby. Perhaps he felt this was enough insurance for a killer lion. But even if I held the rifle, there was no doubt that Kula was in charge of the hunt.

We drove at daylight towards the Tabda water. One of the native policemen took us to the spot where the lion had killed. The policeman told us that the woman and the girl had been driving goats down to Tabda when the lion had attacked. From the blood on the ground and the tracks of the lion, we deduced that he had killed the girl first. The woman had then rushed to aid her daughter or tried to drive the lion off. The cat had killed her as well. By a single blow of his paw, he had practically broken the woman in two. The lion had then squatted on his belly and eaten the entire body of the young girl excepting the head and part of

one arm. As we came up to the place, the goats which the women had been driving to water, were still scattered in the brush on both sides of the trail. Four Somalis with spears were gathering up the body of the woman to prepare her for burial.

Kula ignored the men and the goats and circled through the brush like a hunting hound. The attack had taken place the previous afternoon. The bloody sign which the lion had left behind him was now more than twelve hours old. In spite of this, Kula found the tracks where the lion had crouched beside the game trail. He pointed out to me the imprints where the cat had lunged forward to attack. In a few minutes, he found the tracks where the lion had left the body of the girl and walked northeast.

Tracking a soft-footed lion under any circumstances is a difficult business. On the gravelly ground of the cattle trails around Tabda, it was impossible. But Kula did it. For the first few yards from the pathetic remnants of the girl's body, I could see an



Kula, our native guide, congratulates me on my escape from the man-eating cat.

occasional drop of dried blood or the partial outline of the lion's big paws. After that, usually I saw nothing. But Kula saw. The lion, after eating his grisly meal, had walked back towards Beles Cogani. We found where he had laid on his belly and lapped water from an open cistern near the camel corral. Sometime about daylight he completed the circuit of Beles Cogani to our camp. Kula showed us the big round imprints where the lion had stood in front of my open tent door and looked in. The tracks, now mostly obscured by the comings and goings of the camp boys, led past the carcass of the gerenuk which hung in a tree by the cooking fire. The cook reported that just at daylight he had heard "a hyena" trying to get at the gerenuk meat and had thrown a piece of wood at the animal. Kula showed the cook the tracks of the lion, and grinned.

Kula circled camp to pick up the tracks to the north of camp. With a full belly, the killer lion was leaving the country. We were hours behind him, and although Kula moved with a steady pace on the track, we were losing ground. The lion had walked this way about sunup. We were even farther behind on his track about the middle of the afternoon. Sheriff, our helper who carried the

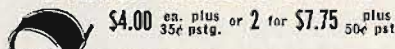
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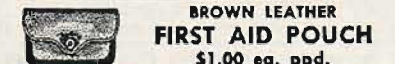
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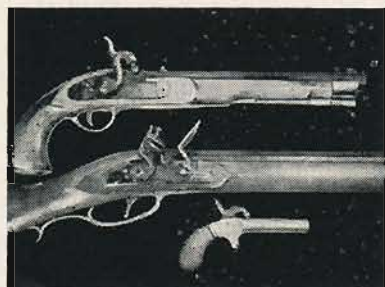
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water bottles, now had a light load. Belli was certain that we would never catch up to the lion. If the beast was leaving the country, it wouldn't matter anyway and we could get back to our elephant hunting. To make matters worse, we came to an open area in the thorny brush where the Somalis had driven a large herd of camels some time that morning.

Belli and I crouched in the scanty shade of a little tree and called up Sherif. We drank the last of the water. Kula circled beyond the broad band of pockmarked dust where the camels had passed. In a few moments, he came trotting back, grinning broadly. "The lion is there, sleeping," he said pointing behind him.

Belli didn't translate. He jumped to his feet and clutched his rifle, a .375 Magnum with which he had killed several elephants. I also saw to my Weatherby. I had carried a shell in the chamber the whole time anyway, but I looked at it just the same.

"Kula says the lion sleeps in that thicket over there," Belli whispered, pointing to a clump of sanseveria and cactus perhaps 200 yards beyond the camel trail.

Still grinning, Kula led us in a half circle around the thicket. Twice he tested the wind by dropping a pinch of dust between his fingers. In the middle of the hot afternoon, there was no movement of air. Twice Kula cautioned us to be silent. It was unnecessary. Belli and I were moving like sweating shadows across the open ground. On tip toe, we avoided every stick and thorn. Kula's bare feet made no sound as he moved forward at a half crouch.

At the edge of the thicket Kula stooped and pointed. I moved up behind his shoulder. Through an opening in the spines and thorns I could see a tawny something that looked like a well filled laundry bag. The thing rose and fell with regular breathing. I stared for several seconds. Kula pulled back.

I thrust the rifle forward. The safety was already off. The thing that rose and fell was the stomach of the lion, distended with the meat of the Somali girl. I could not see the head of the sleeping lion. I could not see his paws. I jerked the muzzle of the rifle a little to the right. The head was that way. No! The head must lie to the left.

In that instant the lion awoke. He did not awaken slowly. He did not raise his head to stare. I do not know what slight sound or smell betrayed us. That lion had lived with humans and with death too long to do anything by half measures. There was a coughing grunt. He reared up. There was no doubt now which end the head was on. I jerked the muzzle of the rifle and fired point blank at the broad chest. The lion roared and jumped sideways. The brush crackled as he thrashed through the spines and stems. In a few seconds there was silence.

Belli looked at me questioningly. I nodded with confidence. Kula and I forced the spiny branches aside and stepped into the opening where the lion had been asleep. There was blood everywhere. The branches were sprayed with bright red blood. To our left was a swath of broken limbs and spines where the lion had staggered in his death agony. A bull dozer could not have cleared a better path, and I never saw a bloodier one.

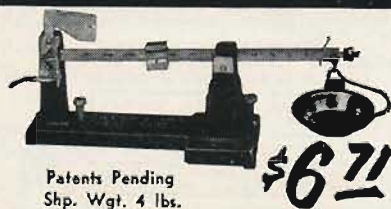
I checked the Weatherby to make sure I had put in another shell. In a minute we

(Continued on page 50)

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(Continued from page 48)

would see just how big the man-eater was. I wondered how Kula could get through the torn cactus with his bare feet. He didn't even look down. I stepped forward confidently. A few yards along the blood-spattered path of the dying lion, the cleared swath through the cactus turned a corner. I stepped around this. There was a roar, and the lion was in the air in front of my face.

In that one glimpse, I saw everything as though a camera recorded the scene on a negative in my mind—the open mouth, the ears laid back, the paws spread on both sides with the claws out. I even saw the bloody shoulder where my first shot had hit too far to one side.

I do not remember aiming or shooting. The lion hit me in the face and chest. My gun spun out of my hand at the impact. Belli and I went down together. I tasted fur in my mouth—hot, stinking lion fur. I was underneath the lion. I struggled beneath the thrashing body. I pushed him off. Half on my knees and elbows, I rolled away to escape the thrashing claws. My back and shoulders were full of cactus, but I did not notice that at the time.

Kula was looking down at me. He was grinning and chuckling. He said something in Somali, but I didn't get the joke. Belli was getting dazedly to his feet as I got up. Belli was on one side of the lion and I on the other. The massive body twitched a little and then lay still.

Kula shook my hand and said several things which sounded like congratulations. Apparently Kula thought the whole business had been a wonderful show, that this was exactly the way to polish off a lion. Belli and I did not agree. I picked up my rifle. I was amazed to find that a fresh shell was half way into the chamber, although the bolt was not closed. Remember it or not I had fired at the lion in mid-air and my shot had caught him at the base of the neck, killing him almost instantly. I had started to crank another shell into the gun when the lion struck me. I had no memory of any of these events. The whole thing had happened in one second or less.

My only wounds were in my back, and they were from spiny cactus points, not from the lion's claws or teeth. Belli also was punctured in a hundred places when the lion had knocked him sideways into the cactus.

I found later that I had two fractured vertebrae where the weight of the lion had bent me sharply backward. I was lucky. Belli and I solemnly agreed over the body of the killer that, next time, we would let sleeping lions lie.

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POLICE PISTOL MATCH

(Continued from page 33)

from barricade, at 50 yards in two minutes and 45 seconds; and 5 rounds single action prone at 60 yards in 35 seconds. Revolvers of .38 caliber with barrels not over six inches are used.

In the 1961 match, held on the University's police pistol range at Bloomington, Indiana, 348 individuals and 74 teams fired. Up to 24 men fired in each relay. At each stage, each competitor on the relay took his place, loaded upon command, holstered his revolver, and at the command, signalled by a whistle, drew and began firing. He reloaded when necessary for that stage without further command. Timing was by stopwatch and a whistle signalled, "cease fire." Competitors were penalized for early or late shots.

The Colt Silhouette target was used, but it had added to it two vertical lines three and one-half inches apart extending from the chin to the lower abdomen, and a six-inch circle in the center of the chest. This is the "X" area and is used to break ties among competitors with the same numerical score.

The match is fired combat fashion. No "alibis" are allowed for faulty ammunition or malfunction of a revolver—none would be allowed in a gunfight. Nor is a competitor permitted to change his gun during the firing of a relay. If the gun he starts with becomes disabled, he is out of the match.

In 1959, Carter Jones was on his way toward a record score in the match. All his hits were in the "possible" area, which scores five points each, and 43 of them were in the "X" area. But one cartridge misfired, thus scoring one miss. This placed Jones far down the list of shooters. In 1960, he had no misfires, but about halfway through the individual championship a chilly rain began. In a combat match, you do not stop for rain or wind as long as the targets stay in the frames. Jones finished with a score of 100 per cent, with 38 X's—in third place. Later in the tournament, he fired the course with another 100 per cent, with 44 X's, but that was in the team match. That score had no effect on the individual match, and Jones' team was no match for the White House Police.

In 1961, he finally got his break. When he stepped up to the firing line in the individual event the third day of the match, 17 competitors had scores of 99.6 per cent. He scored 100 per cent, with 43 X's. Detective Charles Crawford of Flint, Michigan, had scored 99.6 per cent with 43 X's in the individual match for third place, and came through with 100 per cent and 43 X's in the team event. However, Jones fired 100 per cent with 46 X's in the team match. Now this hard-luck kid had the honor of holding both the International Police Combat Pistol Championship and the record over the match course of fire.

The White House Police, defending champions of 1960, closed their ranks tightly with three out of the four men firing scores of 100 per cent. Their 200 shots scored 994 out of a possible 1000 points, and 153 of them were in the slender, elusive "X" area of the target.

Second, third, fourth, and fifth places in the team event went to the Police Department of Flint, Michigan; Columbus, Ohio; Hermosa Beach, California; and Richmond Heights, Missouri.

Carter Jones has been interested in shooting most of his life. When he was 16, he bought his first handgun, a .32-20 Smith and

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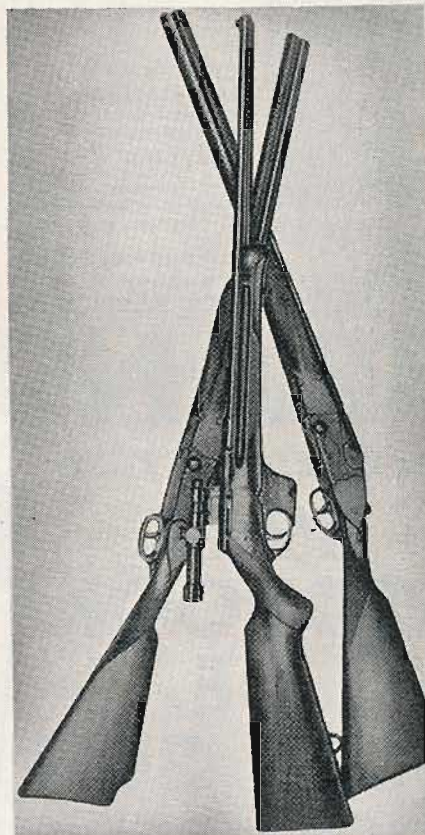
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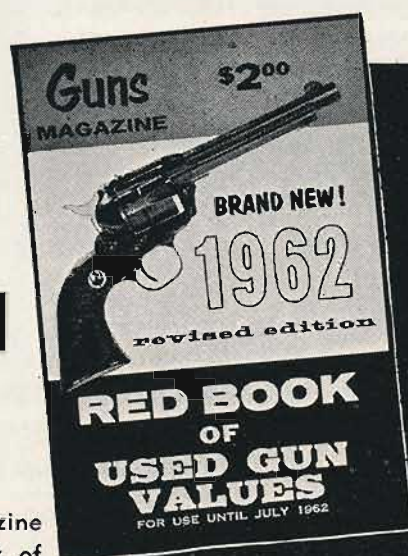
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In the Army, he became a member of the 82nd Airborne Division pistol team where he was trained by Dukes, Ratliff, and others in an intensive program of eight hours a day, five days a week on the target range, with about half the time devoted to coaching.

Military pistol teams seem to specialize in National Match Course type competition, and Jones himself prefers the National Match Course to all others. In 1956, he won the Military Service Pistol event in the Southeastern Regional Pistol Matches at Fort Benning, Georgia, with a score of 277. He also competed in the National Matches at Camp Perry, Ohio, that year.

In 1957, at the age of 22, Jones became a patrolman in the Champaign, Illinois, police department, and is still so employed. He is required to fire 20 rounds per month at 50 feet into a 25 yard rapid fire target. From this 20 round monthly practice session, his department selects a team to compete every month in the Central Illinois Police Pistol Circuit Match. Twelve Central Illinois police departments comprise the circuit. His department also sends the team to the Policeman's Benevolent and Protective Association Match each year.

His salary after living expenses will not support as much shooting as he would like, but he makes enough money from reloading ammunition for the city and for individuals to pay for his ammo. His wife Donna takes pride in his pistol victories and is happy to see her husband enjoy himself.

Jones usually shoots in a local monthly pistol match, his annual state championship, the Illinois Police Association match, and the Policeman's Benevolent and Protective Association match. He has won the P.B.P.A. event the past two years. The Colt's-Indiana University match at Bloomington is the only combat match which he attends.

He had hoped to practice intensely for this event, but various things prevented it. During the two weeks preceding the 1961 match, he managed to fire over the course three times for practice. Since he practices combat shooting so little, he hesitates to recommend any particular procedure or method for it. He feels that anyone who shoots the bullseye course fairly well can shoot the combat course, because the fundamentals of sight alignment, trigger control, and gun handling are identical.

His favorite revolver is a Colt Python with a six inch barrel. He used it to win the 1961 Colt's-Indiana University combat match and the gun is used by him in all bullseye matches. Sometimes he carries and shoots a Colt .357.

The White House Police is the uniformed force charged with protection of the White House under control and supervision of the Chief of the U. S. Secret Service. This small force is organized along military lines. The journeyman grade officers earning from \$5400 to \$7000 per annum are called privates. Supervisors, including Major Ralph C. Stover, the commanding officer, have corresponding intermediate military titles and higher salaries. Vacancies that occur from time to time are filled by specially selected applicants from the Metropolitan Police and the Park Police in the District of Columbia. They take particular pride in their role as police officers in the protection of the President, his family and guests, and other duties pertinent to the

conduct of business at the White House.

Hundreds of Treasury Agents have been trained on the combat target range of the White House Police. Their training and qualification firing with revolvers includes both bullseye and combat style shooting. The semi-annual revolver qualification firing is conducted on the indoor U. S. Treasury range under the supervision of U. S. Coast Guard range officers. Slow and timed fire are shot at 50 feet on a target with a 2 3/4 inch black bullseye containing the 10, 9, and 8 scoring rings. Rapid fire is shot on the Colt silhouette activated as a three second bobber. The minimum qualifying score is 210 out of a possible 300.

Their combat course of fire for .38 caliber revolvers consists of 12 rounds double action from hip level at 7 yards in 40 seconds; 12 rounds double action from a barricade at 25 yards in 75 seconds; six rounds kneeling and 6 rounds sitting at 35 yards in 90 seconds; and 6 rounds single action prone at 50 yards in 40 seconds. The seven and 25 yard stages are fired half with the right hand and half with the left. The revolver is holstered at the beginning of each stage and drawn upon the signal to commence firing. Reloading is performed as necessary. A stationary Army "E" silhouette target is used.

Following the stages described above, a moving target phase is carried out upon a silhouette making a round trip over a 36 foot course. This phase consists of 6 shots double action in the off-hand position with the strong hand at 25 yards in 20 seconds, six shots double action pointing from the shoulder at 15 yards in 12 seconds, and six shots in the off-hand position with the weak hand at 15 yards in 20 seconds. Strong-hand stages begin with the revolver holstered. Hits count 5 points, but two bystander targets are interposed with the moving target, and a hit on a bystander draws a five point penalty.

A notable feature of this course is the firing of six-shot strings rather than the customary five-shot strings. Finely trained competition shots accustomed to five-shot strings have been known to fire five shots in moments of excitement and eject the sixth cartridge with the empty shells. The course includes both right and left hand, single and double action, short and long range firing on still and moving targets.

This pistol team has no secret short-cut to pistol superiority. Their doctrine of good marksmanship technique is summed up in, "Diligent attention to sight picture and trigger squeeze while in the steady position are considered to be the prime factors in attaining best scores."

Close attention is paid to stance, grip, and analysis of hits, but individuals are permitted considerable leeway in the use of techniques and methods best suited to themselves. Some of their routine training practices that have merit are:

1. Double hand grip at 7 yard hipshooting and 25 yards barricade positions.
2. Precise timing of all stages.
3. Concentration on weakest stages for intense training.
4. Lining holsters with metal, smoking sights, and smoothing revolver actions.

Whenever time and duty permit, practice with .22 and .38 caliber pistols over both bullseye and combat type courses is scheduled for the pistol team. However, instructors are team members, and training and qualifi-

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cation sessions for the various U. S. Treasury Agencies in the area or special agent groups in area schools take precedence over team activities. Consequently, because of other commitments, no intensive or regular practice was indulged in just before the Colt's-Indiana University match.

White House Police officers, including the pistol team, are armed with good quality, commercially available .38 caliber revolvers. Some have four-inch and some six-inch barrels. Some are intended primarily for service use. Others have target refinements. As a spokesman of the organization expressed it, "We employ the weapons issued and authorized to the best of our ability." They are not overly sensitive to any make, model, weight, size, or length.

The controversy over barrel length is one that has gone on for years and will continue to go on for many more. The White House Police found that the five and six inch barrels with their accompanying longer sight radii appeared to deliver tighter shot groups at the longer ranges. However, they believe that the advantage of the six inch barrel as compared to the four inch barrel is reduced, if not completely reversed, at the shorter ranges and in quick draw handling. Therefore, whereas many departments select four inch service grade revolvers purely because of their low cost, the White House Police give their officers a regulated option of long or short barrels. For very sound reasons they prefer adjustable sights over fixed sights.

The team decided the course of fire in the Colt's-Indiana University match, where the time element was not critical but every point was important, called for the longer barrels. They made the gun part of the scoring machine, and their success proved the soundness of their judgment.

In a similar match, where the extreme range was 25 yards instead of 60, and six shots were fired in the time usually allotted for five, they used four inch barreled revolvers because of their easier handling under accelerated conditions. And—they won again.

They are effective off the target range, too. On November 1, 1950, the taut, orderly routine of the White House Police was rent asunder by gunfire. The first attempted assassination of a President in residence was in progress. President Truman was residing in Blair House, had just returned there from his office in the White House grounds at 2:25 P.M. when two Puerto Rican Nationalists opened fire simultaneously on the officers stationed at the west end and main entrance to the security area.

The attempt was foiled in less than a minute by agents and officers of the security detail on duty. One officer was mortally wounded but killed his assailant. Two other officers and the other assailant were seriously wounded. The would-be assassin stood trial after recovery and is now serving a life sentence in prison.

Carter Jones and the White House Police pistol team are now preparing for next year's meetings. Perhaps these straight-shooting policemen can maintain their superiority over their colleagues, but a lot of policemen all over the country are practicing hard to beat them. Pistol shooting is that way—the only thing you can be certain of when you enter the match is that you'll meet competition, and plenty of it. The outcome is anybody's guess.

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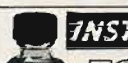
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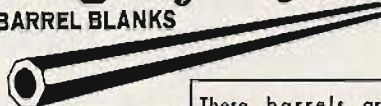
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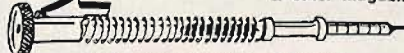


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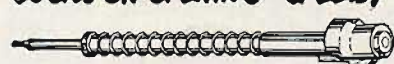
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PACIFIC AND NORTHWEST HUNTING

By Alfred J. Goerg

(Mail order only, from author, 3009 S. Laurel St., Port Angeles, Wash., \$3.50)

Written by a hunter, for hunters, this book holds much of interest to all hunters and especially to hunters planning trips into the title area. Here are detailed descriptions of experiences with the game, big and small, of that region, plus advice on guns, gear, and specific locales. Hunting with handguns is one of the author's pet interests, and this is well covered in his book.—E.B.M.

DECOYS AT SHELBURNE MUSEUM

David S. Webster and Wm. Kehoe
(The Shelburne Museum,
Shelburne, Vt., 1961. \$3.00)

I have been more or less intimately familiar with wildfowl decoys most of my life, but I know more about them now than ever before, thanks to this fascinating and profusely illustrated little book. I didn't know, for example, that Indians made decoys more than a thousand years ago; made them of reeds bound together with rushes, and painted with primitive pigments. Here are more than a thousand decoys for wildfowl and shorebirds of many kinds, some roughly primitive, some are works of art and craftsmanship. There is a chapter too on "The Making of Decoys." And in the text is information not only about the decoys but about the birds themselves. In all, a pleasant book to read and own.—E.B.M.

THE AMERICAN CARTRIDGE

By Charles R. Suydam

(Santa Ana Gunroom, Santa Ana, Cal.)

This fully illustrated volume is outstanding in that it covers practically all of the known rimfire cartridges made at one time or another in the United States. From the .56-56 Spencer loads right down to today's .22 rimfire loads, the cartridge collector or the casual browser is bound to find interesting reading matter. For the student of firearms development this volume is indispensable and truly a find. Photographing cartridges can be a thankless task, but the pictures in this small volume are of the highest quality. This is a book that should be in the library of every serious student of firearms and cartridge development.—R.A.S.

HUNTING TRAILS

Edited by Raymond R. Camp

(Appleton-Century-Crofts,
New York, N.Y., 1961. \$7.95)

An anthology of hunting stories is always a pleasure, but when it is compiled by Ray Camp, it is bound to be delightful. This volume is no exception and Ray's writings, as well as those of the contributors, will make many evenings go pleasantly fast during the time when last year's hunt is but a memory and plans are being made for next year's excursions afield. Among the contributors are Russel Annabel, Ed Zern, Nash Buckingham, Havilah Babcock, and, of course, Ray Camp. Comment: A choice book of hunting lore.—R.A.S.

PHEASANTS ON SNOW

(Continued from page 23)

they can turn aside and let the pursuer go by while they hide.

Thus, if you start to trail a mature cock, he isn't going to run either very fast or very far. I'd guess the average distance you'll have to walk will tally up to about 400 yards per bird. Frequently, two or three cocks will branch off together and, eventually, can be jumped in close proximity of each other.

Firm snow, but soft enough to show pheasant tracks clearly, allows the hunter to sort out cocks from hens by their regularly larger feet. The hens may stay right with the cocks, but they're much more likely to veer off in separate directions. In fluffy snow, where the flakes partially fill the tracks, the length of stride separates the cocks from



hens. The hens, being considerably shorter-legged, take strides only about two-thirds as long as those of the cock birds. Hens, if the snow is soft and deep enough, may also show a certain amount of body-brushing of the snow, due to their shorter legs.

I soon found tracks of perhaps a dozen pheasants. After their initial sprint, I selected two that, because of their longer strides, indicated they were cock birds. After some 60 yards of zigzagging, they turned sharply away from the tracks left by the rest of the flock. That was fine with me. It would just insure that I wouldn't first come upon the shorter-legged hens, flush them, and possibly have their flight trigger the cocks into flushing at long range.

After another 60 to 70 yards, the two tracks began to zigzag very sharply; a half dozen yards in one direction, then ten feet in another, occasionally crossing over each other. That's what I was waiting for. This meant that the cocks were seeking some dabs of cover in which to crouch.

This is when my Ithaca came up in readiness. My eyes flicked the trail just often enough to keep me along its main direction. The rest of the time, I was watching ahead, trying to spot a suspicious-looking hump of feathers in the snow. But those two cocks surprised me with a new dodge. They hadn't found any cover dense enough to hide them. So they merely ducked under the fluffy snow and tunneled in it for perhaps three feet—far enough so that their tail-feathers were also concealed.

The sun had come out thinly while I'd been trailing, and the first indication I had that I was within a dozen feet of my game was the sight of a cock bird's wild yellow eye, peering out at me from under the snow cap the bird wore. Once he had tunneled into the snow, he'd lifted his head just high enough to be able to see me. On a dull day, I might have missed seeing him.

This sight brought me up short, my Ithaca

swinging up in readiness. My sudden stop told the bird he'd been discovered, and now literally exploded as he flushed. I knocked him down and, as the gun banged, the other cock exploded into flight from an identical hideout scarcely 20 feet away. No one could miss two such wide-open shots, and within 15 minutes of starting, I had the brace of cock birds I'd wanted.

I was unwilling to believe that the rest of the flock consisted only of hens. I cut a 150 yard arc to where the cocks' trails had left the flock, and examined the tracks of the remaining birds. A couple of them had the right stride length.

The tracks of that flock, very shortly after I'd turned off in pursuit of the two cocks, had turned almost directly away from that point of separation. They were probably between 200 and 300 yards away from the spot of shooting, amply distant so my two shots didn't appreciably disturb them.

Not being pursued, the birds had merely ambled along, interweaving their tracks so that keeping individual trails separated was almost impossible. I just had to follow the flock trail until the birds, hearing or seeing me behind them, would separate according to individual inclinations. Only then would it be sensible to try to select the tracks which indicated the longer-striding cocks.

Before that happened, I lucked into a freak break. A burst of gunfire on the opposite bank of the Jim river halted me in my tracks. Seconds later, I saw a flight of birds coming toward me. Since their eyesight equaled mine, and since I bulked a helluva lot larger, it was silly to think of trying to move out of their sight; if they saw me move they'd merely flare wide of shotgun range. So I stood still, my Ithaca at the ready, and only my eyes moving.

Two cock birds in the flight of eight pheasants that came toward me along a 100 yard front might offer shooting. One was coming right at me, while the other would pass at perhaps 35 yards.

As even the greenest tyro shotgunner knows, the easy shot is the straight incomer, or the straightaway outgoer. But it takes a heap of hunting to learn that the smart way to score doubles is to take the long bird first, where the shot pattern has opened sufficiently to kill cleanly without mangling meat, and then switch to the close-in bird, which has then moved far enough away so it, in turn, is killed with a spreading pattern. This order of shots can be taken quite leisurely, whereas the reverse order risks mangling the close bird and then having to hustle to catch the second within killing range.

Having previously doubled on a considerable assortment of game, I chose the former methods. But this turned into an extraordinary situation. Five seconds later, I was still holding my shotgun at the ready, but I hadn't yet fired a shot; nor did I have any live targets within shotgun range.

The first bird, which I had planned to shoot at some 35 yards, had simply rolled out of the sky before my finger ever tightened on the trigger. And that shook me so that I didn't even swing around to take the second bird, after he had passed me and offered a cinch straightaway shot. I merely stared at the slowly settling powder snow that the

cock's fall had lifted in an explosive puff.

It wasn't until I retrieved the bird that its sudden collapse began to make sense. A thin stain of lung blood dribbled out of its beak. That bird had been lung-shot, but had managed to fly some hundreds of yards before it had drowned in its own blood and collapsed.

The flock I had been trailing had gained 100 yards by this time, but I resumed the trail. I did not hurry; the surest way to make pheasants flush wildly is to rush after them. If they don't find suitable cover, they take to their wings as a last resort.

I suppose I followed that flock for nearly 300 yards before the trails abandoned their inter-weaving pattern and began to spread out. But the only two trails I could positively identify as having been made by cocks then separated. It was one or the other—in this instance I couldn't follow them both.

I swung to the right of the trail by two or three paces and followed its windings with my eyes, with ears cocked for the flush. As any experienced bird hunter knows, it's easier to swing on a bird that gets up somewhat to the left of a right handed gunner. The swing then has a far greater flexibility.

But there was an even more important reason for my moving outside of the flock trail. While following this flanking cock, I would also be making a circling approach on the rest of the birds and one of them was another cock. Thus, I was working on the strong possibility of flushing and killing the cock I was after, and then being in excellent position to move in on the balance of the flock.

These birds had been followed for some hundreds of yards. They'd be getting tired of

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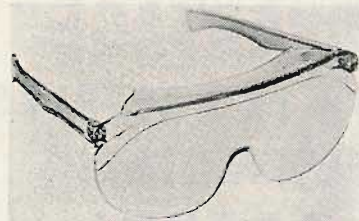
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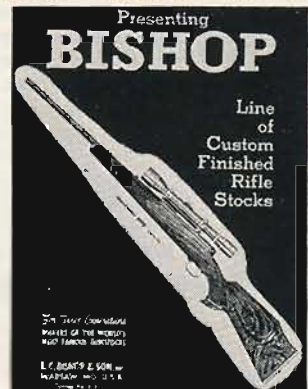


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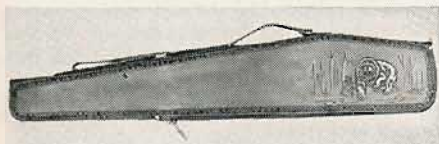
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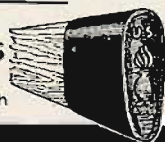
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such long-continued footwork and would be inclined to flush somewhat more wildly than normal. Consequently, if a shot was offered, it might have to be taken rapidly.

Within 50 yards, I had my flush. But it was a hen that had tired out and hidden behind a tumbleweed the size of a derby hat. I pushed on, moving a bit more rapidly now. The cock birds would have moved faster and farther because of their longer legs.

Ten seconds and 30 yards further, I saw the trailing tail of the cock I was after, projecting from behind another tiny tumbleweed. I turned right at him, trying to get as close to the center of the hidden flock as possible. When he jumped, I dropped him. And when the flock jumped at the bang of the gun, I had another.

This gave me my limit of cock birds for the day. I had enjoyed a leisurely walk through a couple of fields, had some exciting shooting, and had not even worked up a sweat. Do you wonder now that walking pheasants up out of light snow is my favorite method?

I had simply cashed in on my knowledge of pheasant behavior. You say, "Sure, but that's a knowledge gained only from many years of hunting experience"—and you are right. I wasn't born with the knowledge of how to read pheasant tracks in snow, of what pheasants will do under a given set of conditions; I walked a lot of hard miles to get those bits of leg-saving savvy. You say, "But I haven't got those years of experience." So? You've read this article: you know my secrets!

Well, maybe I've held back a trick or two, but—there's enough here so that, if enough of you learn them, and many of you hunt in my bailiwick, I may regret letting my typewriter brag quite so freely!



LEE'S COLT

(Continued from page 29)

Robert Lee's Navy Colt has been in the Confederate Museum in Richmond, Virginia, since 1896, when it was donated by his son Custis, and it can be seen there in the dimly-lit Virginia Room where ghosts walk among the tattered battleflags. Its action is as smooth and crisp as the day—a century ago—when Lee first placed a pair of saddle holsters on his favorite mount, the gray Traveller.

Lee always kept the Colt in the left saddle holster, where it could be drawn quickly when he dismounted. In the right holster he kept only the .36 caliber paper cartridge ammunition. Contemporary observers said Lee never carried a firearm on his person, and rarely a sword. The gun is marked "Engraved by W. L. Ormsby" and carries the latter's New York address.

"He generally wore a long gray jacket," said Fitzhugh Lee, a cavalry commander under his famous uncle, "with three stars on the collar, blue pants tucked into his Wellington boots, and a high felt hat. He never carried arms."

But in its holster on the faithful Traveller, Lee's Colt followed him to the Confederacy's scenes of epic destiny, from the day after Seven Pines when he first took command of the Army of Northern Virginia, then turning back McClellan in the Seven Days, whipping Pope at Second Manassas, standing off McClellan at Antietam, to triumph at Fredericksburg and Chancellorsville and disaster at Gettysburg, slugging it out with Grant at Spotsylvania and Cold Harbor, yet losing it all in the starvation trenches at Petersburg, and brought to bay at last at Appomattox.

Then the quiet years came, when Lee, then president of Washington College at Lexington, hung the Navy Colt on his bedpost in his new campus home. Perhaps the habits of war were too strong to break, and he wanted the pistol close at hand. So the gun that was at his side in life was nearby on October 12, 1870, when Lee lay beyond pain at his last sunrise.



◆ *Dallas, Texas:* Wakened by a flashlight shining in his eyes, John Nelson grabbed his 1873 Winchester rifle and blazed away. The four men who had burglarized his home fled, but one of Nelson's shots scored and all four were arrested when they turned the wounded man in at a hospital. They failed to get the \$508 dollars Nelson had cached in his home. John Nelson is 100 years old. The rifle he used is younger—only 86.

★ ★ ★

◆ *Washington, D. C.:* A western judge thinks it might be a good idea to allow more people to wear guns, a la the old west. Superior Court Judge Bartlett Rummel of Tacoma, Wash., told a meeting of the National Rifle Association that "with the increase of crime, it might well be said that a gun is still a man's best friend."

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GUN RACK

(Continued from page 15)

barrel off, and removing cylinder forward. The cylinder pin also serves to eject or rather push out the fired brass. This is a collectors item and a decorative gun in its nicely finished case and as such should be of great interest to those of us interested in handguns.

Speer Manual

This long recognized loading bench essential, once again re-issued and up-dated, contains some interesting data. This latest edition features loads for the .22 Jet, the .44 Ruger carbine, and the .308 Belted Norma Magnum. Fifty-five standard and wildcat cartridges plus several pistol loads are again to be found, but the best feature of the new Speer Reloading Manual lies in the index tabs that make using the book a lot easier. The price is only \$2.95, and as reloaders know, it is a worthwhile investment.

Duckblind Heater

Being addicted to duck hunting and other somewhat bone-chilling, outdoor sports, we found two heaters very much to our liking. The Seater Heater is a small, highly portable unit that can serve to keep a hunter warm while giving him a seat, and if the ducks stop flying, can be used to cook up a warm lunch. The Hot-Ter Heater is the bigger edition, also portable, weighing about 6 pounds with fuel. This heater heats a tent or a station wagon easily, and can keep a duckblind, if there is enough space for it, very comfortable. The fuel for both heaters is denatured alcohol or shellack thinner, and like all flames of this kind, it is smoke-free and odorless. These heaters are made as self-contained units and can take a lot of hard use.

Troublesome Dies

Loading dies, even of the highest quality, are made to a close standard tolerance of the caliber, as we all know. We also know that a good many rifles have tight or loose chambers, and that brass fired in one gun does not necessarily chamber in another gun of the same caliber and make. Dies often neck cases down too far, and that is hard on the brass. These cases often require some lubricant in the neck in order to permit removal of the expansion plug. Another fact often forgotten is that different lots of brass from different manufacturers work differently, and thus loaders often encounter problems with perfectly well made dies.

Ted Smith of Shooters Accessory Supply, North Bend, Oregon, has been doing some custom honing on such dies. He requires 4 or 5 fired cases, plus information as to what brass is to be used and the exact dimensions desired. If the shooter does not know the dimensions, Ted will work them up for the specific caliber. Die honing is a tedious job,

but three dollars for honing out the necks of the dies to your specifications seems most reasonable. Ted's shop, by the way, is the "Home of the Little Dripper."

Buck-O's in .38's

Shooters Service, Clinton Corners, New York, has recently made available to us some of their Buck-O's and their .38 hulls filled with #7½ shot. Using factory primed cases, the Buck-O's contain 2 pellets of shot held in place by a wadcutter bullet that is seated fairly far out of the case. At a distance of 15 feet, these loads will do fear-some things to snakes. The hulls loaded with #7½ shot are not far behind the Buck-O's in destruction of bothersome rodents. The wadcutter in the Buck-O ammo is a zinc base bullet, while the covering over the number 7½ shot is a tricky arrangement of an inverted gas check. With the increased interest in handgun hunting, especially with the .357 Magnum, these new creations by Mason Williams should be welcome additions. As snake eliminators, the shot loads are bound to become very popular with hunters come spring.

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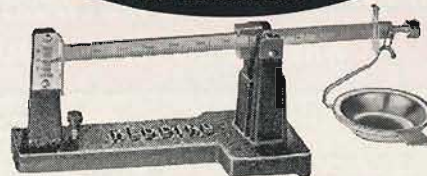
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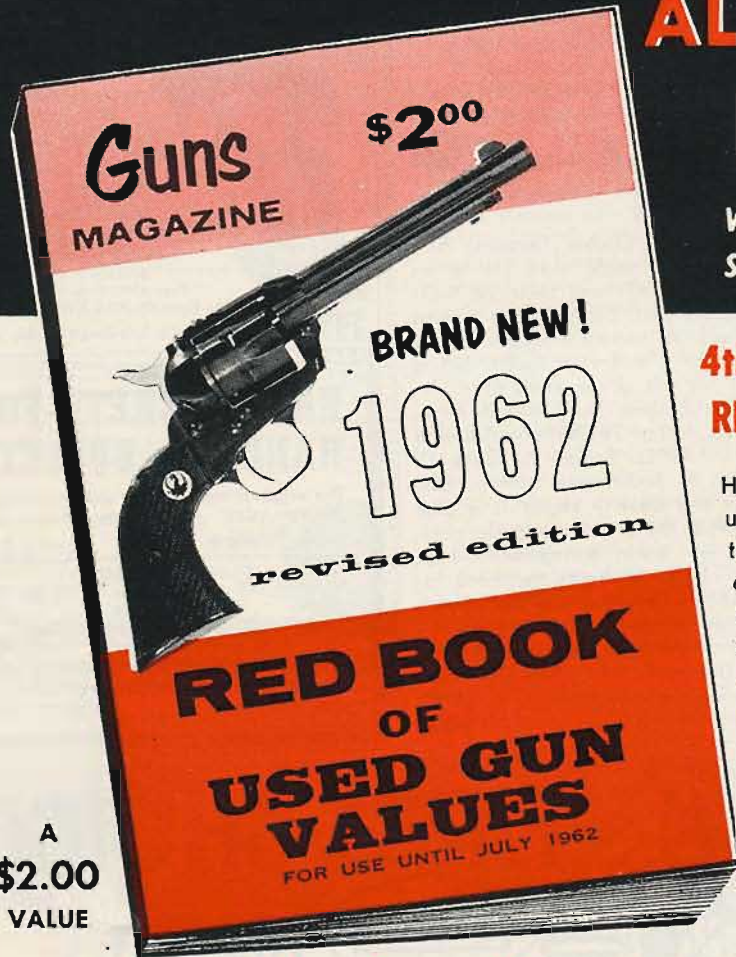
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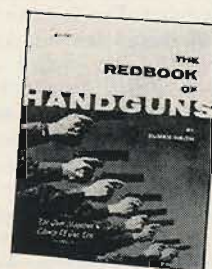
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HANDLOADING BENCH

(Continued from page 9)

Unlike black powders, ball types permit higher velocity and/or lower pressure in small capacity cases. The .308 and .30 Carbine, using different types of course, are examples. The stuff meters extremely well, flows through a measure as slick as an eel. Even the flat types, such as 230P, meters accurately for 25 yard target charges of 2.7 grains with the usual wadcutters bullets in .38 Specials. It isn't as sticky as some older powders.

When G.I. stocks of .30 Carbine ammo were first released, with few guns to shoot it, we hull fillers started breaking down the ammo. The light bullets were fairly good for plinking in larger .30's. With no data available, many lads wasted the powder. Others, like this scribe, saved it like a miser saves money. Breaking down about 2,000 rounds of the same year and lot number, I had a little for a working sample, and fun shooting. In working up loads for the .357 Magnum, I settled on 13.5 grains with the Hensley & Gibbs No. 51 Sharpe pill cast hard, in W-W cases. It about duplicated the factory Super-X load in charge weight, accuracy, chronographed velocity, and center of impact. Super-X is the hottest commercial load. My loads with one of the last No. 51 H.P. moulds made by James Gibbs about doubled the actual shocking power of factory stuff.

When Hensley & Gibbs discontinued all single and double cavity moulds, and all hollow point designs, casters called the day Black Friday. It wasn't so bad. Their 4, 6 and 10-hole jobs made extremely uniform bullets. The hollow point was another problem.

To solve it, I requested Forster-Appelt, the makers of the fine Forster Precision Case Trimmer, to make a gismo to hollow point bullets accurately in loaded ammo, using their trimmer. They liked my idea, and soon had the accessory in production. Bullets expand faster with the drilled cavity. Casting is greatly speeded. You can drill only the loads you intend to use for hunting or defense. Factory ammo can also be hollow pointed, to exceed any ammo on the market. Super-X once made the most potent .357 H.P. ammo in the world, but discontinued it. The 13.5 grains of ball powder was quite similar to the .30 Carbine powder I salvaged, and the W-W 295HP.

Tests with three lot numbers of 295HP (RK8, RN8, and one not clearly marked) worked beautifully in several .357 and .44 Magnum revolvers, and carbines in both calibers. We found that ignition was apt to be

slow or erratic with some makes of pistol primers, and was worse with reduced charges. The factory primed Super-X cases worked perfectly, and so did reloads with CCI Magnum primers. The powder was definitely not made for moderate pressure or for weak primers. Loads had to be in the best burning range of the powder, with fast, positive ignition. On that basis I was on the verge of giving 295HP Ball my recommendation. Then like a shot in the night W-W recalled the powder from their dealers!

A flood of inquiries from Hi-V fans wanted to know why. One of the people with W-W explained it. The quotation is not verbatim, but close enough to be clear:

"A few handloaders were using reduced charges or bullet weights, with a weak crimp

(Continued on page 65)

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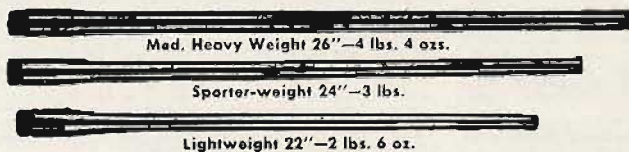
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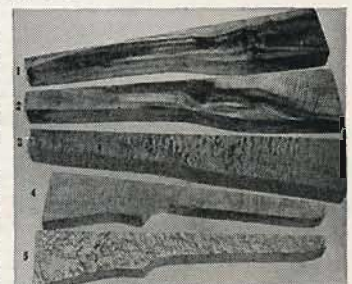
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(Continued from page 63)

or none at all. This contributed to malfunctions, incomplete burning, and other troubles. We had many excellent reports on the use of this powder, but a small percentage of people had unsatisfactory results. Because 295HP was so critical of loading variables, we withdrew it."

That was a sad day. The powder was worthy of the famous W-W name, and a stepping stone to handloading progress. Let's hope it's back on the market before long! It's a shame for the "small percentage of people" to prevent the vast majority of hull fillers from enjoying Hi-V performance. I'll bet my last Magnum that the majority of that "small percentage" do not subscribe to GUNS!

Some dealers rat-holed some 295HP. Many chaps have a supply. W-W listed 13.5 grains with 158 grain factory .357 Magnum bullets



for 1400 fps. I had fine results with 16 grains in new primed Super-X cases, or the same hulls reprimed with CCI Magnum No. 550 primers, using Speer's 146 grain Jacketed H.P. Harvey's 156 grain Jacketed Jugular, or 145 grain hand swaged pills made in the C-H Swag-O-Matic press. Note that primers, cases and bullets are specified. Any change in components may change the results! Velocity is about 1500 fps. You can cut this heavy charge one grain without loss of accuracy, and lose about 75 feet per second. Use a heavy crimp.

A 127 grain C-H Swag-O-Matic half-jacketed pill backed with 17.3 grains 295HP is a heller. It's potent as pure poison, but is below maximum pressure. It shot so well I decided it was adequate, and did not work up, but I proof fired 18 grains. Loads were fired in a 4" Colt Python, a new Colt Single Action Army, a .357 Smith & Wesson Magnum, and a Winchester M92 conversion by Ward O. Koozer. Ward is noted for his fine rebore and conversion work. He moved from Arizona to a new shop in Waterville, Oregon.

S & W's .44 Magnum and Ruger's new Deer-stalker self-loading carbine really shucked out the lead. We settled on 23 grains 295 HP in Remington cases, CCI No. 350 Magnum primers, and 220 grain half-jacketed C-H Swag-O-Matic pills. Bullets were swaged

with Illinois Swag-O-Matic pure lead wire, into semi-wadcutters. They functioned perfectly in the Ruger carbine, ripping great gaping holes in everything they hit. You have to test this light, fast handling little spasmatic carbine to believe how much damage it does! I've seen stuff shot with a .30-06 that was damaged less. The same charge worked dandy with Speer's 225 grain H.P.

The 230P Ball Powder is for light and moderate loads. Like Bull's-eye, or other powders, charges must be in the best burning range. W-W listed loads are excellent. Lo-V charges work well, and it holds accuracy for normal .38 Special loads. The balls are flattened like flake powders, so the name doesn't seem very appropriate.

Target shooters will use about 3 grains for 50 yard work in .38 Specials, perhaps adjusting the charge a few tenths down or up, depending on their particular bullet and gun. Ignition was excellent in new W-W primed cases, and with CCI Magnum No. 550 primers in reloads. 2.7 grains is very accurate with H & G No. 50-BB cast pills.

The .45 ACP fans will have to work up their own charge from W-W listed loads for their particular gun and bullet. I can't list specific charges for the paper punchers in this caliber. Use 3.5 grains with hard cast 185 grain bullets. It works well, and the charge can be varied to work best in your gun with your bullet.

Following W-W instructions for shotshell, ball powders gave "factory equivalent" results. The W-W chaps worked out the best loads and technique long ago and you can't improve on it. Never use 450LS (Standard Velocity) for Hi-V. You can't use 540MS (Magnum) and 500HS (Hi-Speed) for light loads. Our proving test loads were made with a \$59.95 Kodiak Loader. It's a sturdy machine loading about 85 shells per hour, adequate speed for many lads.

Canister grade ball rifle powders have not yet been released. Perhaps it's because loading is critical, as with some other powders, and the company has no control over your reloads. Certainly they can't be responsible for unsatisfactory results, when their factory stuff is darn good. I trust they release it soon. We found that as with many other powders, excessive loads open groups, and low loads are lousy.

MEC 500 Shotshell Reloader

MEC's 500 progressive loader is simple and sturdy, thrashing out up to 500 quality shells per hour. At \$89.95 it's a real buy. You'll save loading time that can be spent shooting. You'll never have a complaint if you follow directions with each machine.

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It's factory adjusted for perfect performance, and more simple to use than single stage tools. But more attention must be paid to details. A big advantage is the manual operation of shot and powder charges.

Sort shells for the make and wad column used. You can run a single shell in all stages to insure correct adjustments and wad column. This is another good feature. All stations must be adjusted correctly. Switching to Federal or Canuck target hulls requires a primer adjustment. Lower the tube just enough to seat primers, to avoid readjusting depriming and crimping stations. You can actually exceed the listed speed for short runs, after practice, but about 350 s.p.h. is a good speed. Keep components handy. Learn to pick up a hull and primer in the left hand, and complete wad column in the right. Insert all at once, and operate the handle. This simple routine eliminates goofs, and speeds production.

Reloads patterned better in a Hi-Standard Trophy than factory stuff. This is a fine test gun. Wads were Alcan's Air-Wedge in W-W hulls, No. 7½ copper plated shot. Pattern Paint, by Elwyn Sprague, Ostego, Michigan, works dandy, and never dries. Paint a steel plate, shoot and check your pattern, then brush out shot marks and shoot again. The brush stays wet, and there is no need to add extra paint for a long time. Store the plate wet side up. A wooden carrier, similar to target frames, makes moving the plate easy.

New Manual

Speer has a brand new enlarged Re-loading Manual, 280 pages, covering loads and loading details for most popular rifle and pistol cartridges, including wildcats, the .22 Jet, .308 Norma, and Ruger's .44 Carbine. A new section covers shotgun reloading. This No. 5 Manual has index tabs. It's a "must." Price is \$2.95.

Talking Turkey

There are two species of wild turkey in North America. One, the *Agrocharis ocellata*, is more numerous in Central America. The more familiar *Meleagris gallopavo* is a larger bird and has five subspecies: Rio Grande (tail feathers are fringed with a reddish-brown); Mexican (white feather tips); Merriam (tipped with light brown); Florida (darker colored, with less white); Eastern, largest and most widely distributed (bronze edged with black).

Wild turkeys range from Pennsylvania to Florida, west to Colorado and Arizona, and south to central Mexico. The population is increasing. Pennsylvania, Missouri and Virginia reportedly are exerting controls on predation and poaching, and improving natural habitat. Michigan has taken steps to repopulate ranges.

Turkeys are difficult game to hunt, and the season limit requires skill, perseverance and "turkey sense." For although they are noisy and leave tell-tale signs of their whereabouts, these wild, wary birds have an extraordinary sense of sight and hearing and can outrun some of the fleetest four-legged animals. Before dusk each day, turkeys return to their roost for the night. In the old days, hunters stalked the game at roosting time. Today, sportsmen prefer to use a blind, waiting patiently, silently and hopefully for hours. Experts use a "call" in conjunction with the blind, but often even the expert scares off more game than he can decoy. Best load for the game is BB, 2's or 4's.
—from "Winchester Proof"

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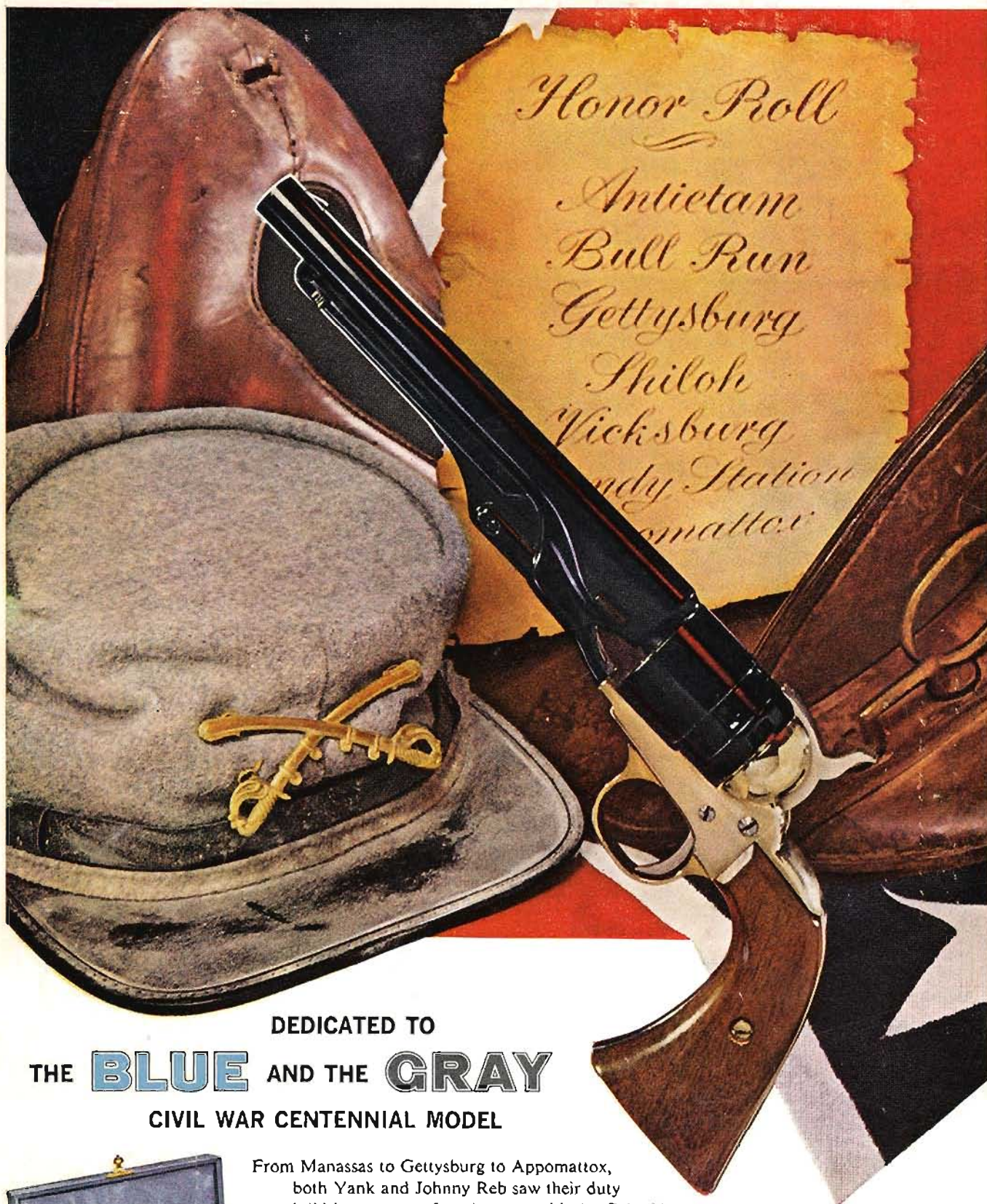
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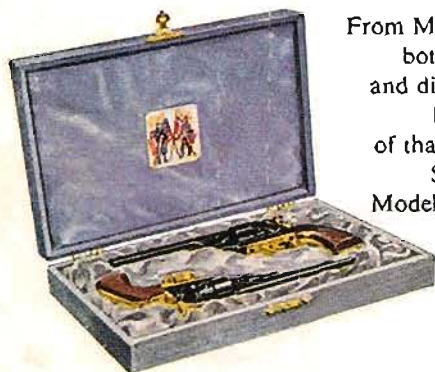
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