

FINEST IN THE FIREARMS FIELD

APRIL 1960 50c

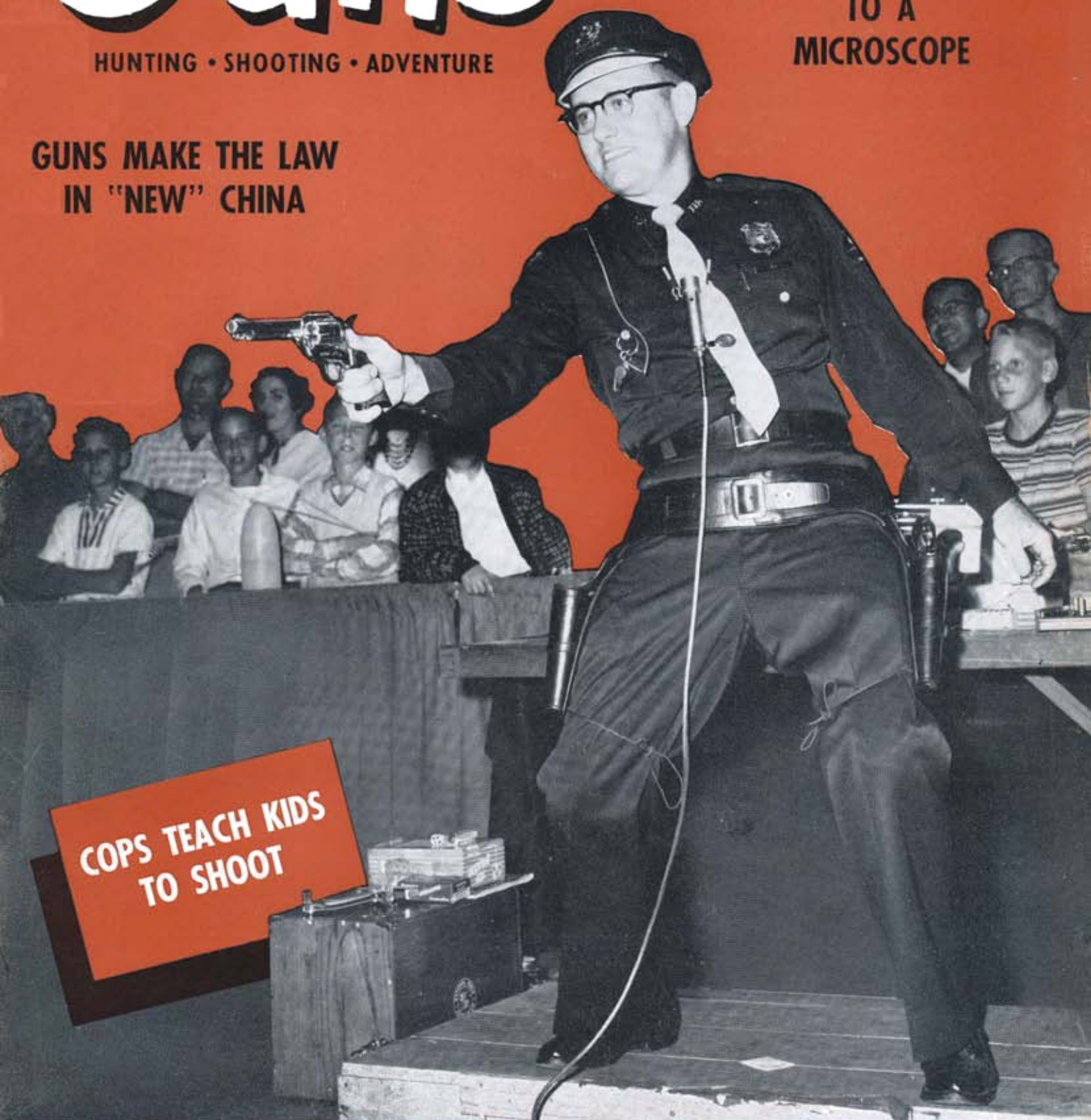


Guns

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GUNS in the NEWS

[Special]—

♦ *Denver, Colo.:* Doris Shelly, a college graduate in psychology who has become this city's first woman detective, believes that, while the psychological approach is fine, a gun can also be persuasive. She packs a pistol on her job and goes in for target practice regularly.

♦ *Lynnhaven, Va.:* Tied with five other scattergun champions of the Armed Forces with perfect 100 x 100s at the end of regulation shooting, Master Sergeant Harold Myers of Westover Air Force Base, Mass., went on to fire a brilliant string of 209 consecutive broken targets to win the skeet shooting championship of the military world.

♦ *Arlington, Va.:* Shirley Stanford is a squirrel shooter—strictly professional. That's the way he makes his living, shooting squirrels for the town. He's what you might call Arlington's squirrel executioner. With his trusty shotgun, he disposes of squirrels who bite people or who make a general nuisance of themselves. Extremely safety conscious, Mr. Stanford will sit for an hour, waiting for the animal to move to just the right spot before he'll shoot it. In his five years on this job, Squirrel Shooter Stanford never has had any sort of accident or even a complaint.

♦ *North Providence, R. I.:* Domenic Giuliano, age 19, returned home after a half-hour absence to find a man ransacking the house. The man ran; Giuliano grabbed a shotgun. By the time he had loaded, the man was 75 yards away. Giuliano fired three shots. The man escaped apparently unharmed, but it is suspected that he will think twice before entering the Giuliano home again.

♦ *Calgary, Alberta:* When John Kaplan was awakened by the crash of glass as someone broke into his store, he grabbed a .22 target pistol, fired three shots at a man approaching the cash register. The invader ran, wounded. He was delivered in a serious condition to a hospital by his alleged accomplice. Kaplan described himself as "a fair shot," says he does a lot of target shooting.

♦ *New York City:* Frank Guido, 56, was not in his liquor store the first two times his Bronx liquor store was robbed, but when the third robbery attempt within six years occurred, he was there. Two men entered, pointed a gun at Guido's clerk and ordered him into the back room where Guido was counting the day's receipts. Guido reached for a .38 revolver on a shelf near him. He fired three shots, all hits. One of the robbers was dead when police arrived; the other died in hospital a few hours later.



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Senator Warren Magnuson
Comm.: Interstate & For. Comm.
Washington

CERTAINLY TODAY we must recognize the Second Amendment as our First National Defense Act on the part of founding fathers who could not afford to invest \$40 billion annually! Our forefathers knew also that freedom and trust must be complete, that it would be considered divisible if the power to "keep and bear arms" was not spelled out.

Senator Margaret Chase Smith
Committee on Armed Services
Maine

I NEVER TOUCH a gun—and consequently I don't believe it would be proper for me to be taken in a picture with a gun or to make a statement on guns.

Senator A. Willis Robertson
Committee on Banking & Currency
Virginia

I BELIEVE it would be a mistake to so narrowly interpret "the right of the people to keep and bear arms," which is guaranteed by the Second Amendment to the United States Constitution that possession would be permitted only to those enlisted in the militia, or in law enforcement activities.

Training of ordinary citizens in the use of firearms is valuable from a military standpoint but, beyond that, those of us who love the out-of-doors consider the privilege of hunting an integral part of one of our three most cherished rights—pursuit of happiness.

Congressman Billy Matthews
Comm.: D.C.; Agriculture
8th District, Florida

SINCE I AM NOT familiar with the arguments pro and con in connection with the Second Amendment, I do not feel that I should avail myself of the opportunity of expressing myself in your fine magazine.

Congressman Seymour Halpern
Comm.: Bank, Currency; Veteran's Affairs
4th District, New York

I DO NOT BELIEVE that the 2nd Amendment has much relevancy to today's world. To my mind, it means that neither the Congress nor states can pass legislation in respect to the prohibition of arms where such legislation would be inimical to the maintenance of state militia. However, I do not think that it in any way interdicts the power of Congress or states to control the shipment and ownership of arms in situations that cannot be related to sound, organized militia strength.

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

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



Congressman Clare E. Hoffman
Comm.: Govt. Operations; Education & Labor
4th (Allegan) Dist., Michigan

GUNS BEING "DANGEROUS weapons," some restraint is necessary in connection with their possession and use.

Lawlessness being on the increase, especially in cities like Washington, protection of the home might be more effective if the owner or occupant was permitted to retain one, being, of course, instructed in the custody and use thereof, especially as the professional criminal is always able to have one.

Like every other right recognized by the Constitution, the right of the people to keep and bear arms is not absolute. It must be circumscribed by legislation which will protect the public.



Guns

FINEST IN THE FIREARMS FIELD

APRIL, 1960

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George E. von Rosen
Publisher

Arthur S. Arkush
Ass't to the Publisher



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Kent Bellah.....	Handloading
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THE COVER

Typical of the new look where cops train kids how to use guns in order to teach them self-discipline, give them a hobby interest, and establish rapport with law enforcers and society generally, is Eugene Carlile, here demonstrating quick draw skill at Evansville, Ind., demonstration put on for school children and parents.

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EDITORIAL OFFICES: E. B. Mann, W. B. Edwards, 8150 N. Central Park, Skokie, Ill., ORchard 5-5602
Elmer Keith, Salmon, Idaho. Kent Bellah, Saint Jo, Texas.

REPRESENTATIVES: NEW YORK, Eugene L. Pollock, 60 East 42nd St., New York 17, N. Y., YUkon 6-9280. MIDWEST ADV. OFFICES, 8150 N. Central Park Ave., Skokie, Ill., ORchard 5-6967. CALIFORNIA, The Ren Averill Co., Ren Averill, 232 N. Lake Ave., Pasadena, Calif. MUrray 1-7123. SOUTHERN, Hal Moore, 279 NE 79th St., Miami 38, Fla. PLaza 8-5516.

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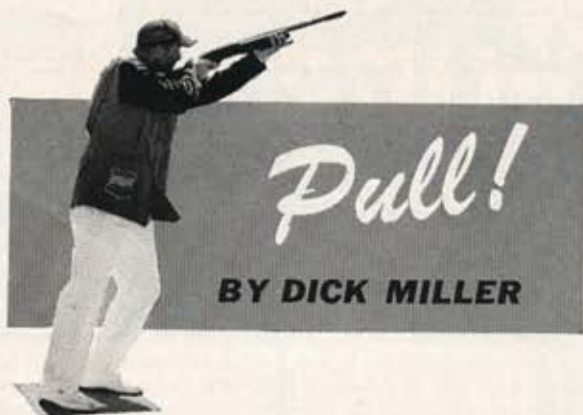
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THIS PORTION of Pull for April is for men only. As men so often do, I'm going to talk about "wimmen"—so I hope you gals will turn your pretty eyes elsewhere for just a short time. I'm not going to say anything bad about you; it's just that, after a recent conversation with a Chicago newspaper editor, I think that you, the ladies, hold the future of trap and skeet shooting in your little hands. This is fine with me; I just want to tell the men what's happening and why I think we should encourage it.

Now, fellows, since the girls have gone away to tend to their knitting or some such feminine task, let's talk about what the gals can really mean to the clay target sports.

One week before Christmas, I took Don Gormley, Editor of the very popular Weekend Section of the "Daily News," for a day of shotgunning at Hilldale Gun Club, northwest of Chicago. This day was Don's second exposure to firing a shotgun. On a previous occasion he had bagged some flighted mallards and recorded a round of skeet.

We began the day of sampling Hilldale's offerings with a go at the quail walk. Don scored high for a novice, breaking over half the targets. Since several other parties of shooters were waiting to get in on the fun at the quail walk, we decided that Don's education ought to be rounded out over the trap fields. After a minimum of preliminary instruction, Don broke 15x25 16-yard targets. With some misgivings, I included a round of handicap trap, so that Don would have a full picture of clay targets sports. As might have been expected, his score dropped, but his appreciation of the fun and thrills of trap-shooting soared.

While we were popping away at the clay targets, Don was popping away with searching questions on shotgunning. Being the good newspaperman that he is, when evening shut off our shotguns, Don had acquired the general story of clay target games, and a great deal of enthusiasm for them.

On our way back to his Arlington Heights home, Don turned to me and said that women could become the biggest force in shooting. I explained that large numbers of women now enjoy the clay target sports, and that women shared some of the brightest records in shooting.

He explained that he had in mind much more participation by women, on the scale of women in golf, or in bowling. He reminded me that "Ladies Day" had revived, changed, popularized, and perpetuated many a golf club. So long as golf was primarily a man's game, with a few feminine players, it

was no world-shaking force. Came the ladies, and the complexion changed.

When we of the strong, silent types dominated the bowling game, bowling alleys were second-rate recreational spots. Came the ladies, and bowling alleys became the plush palaces they are today.

This newspaperman, seeing clay target games for only the second time, was alert to the fact that there are no women's tees, for example, in shooting. A woman can and does compete with men on an equal footing in the shooting games.

I asked, "How are we going to bring about this boom in feminine shooting which will revolutionize the game?"

The answer: set aside special days for the ladies at the gun club, a la the golf club and the bowling alley. Dress up the most knowledgeable shooter in the club in sharp-looking shooting clothes, and call him the "pro." Charge, mind you for his services. If he is to be a "pro," and look like a "pro," let him charge for his teaching services. People are inclined to value that for which they must pay above that which is free.

Along about here in this narrative, I get the feeling that a lot of trap and skeet shooters, including the writer, have been unable to see the forest for the trees. It remains for a newspaperman, practically upon the occasion of his first contact with our sports, to make some highly pertinent comments.

And what he says makes sense. If gun clubs will create "pros," dress them in high-style shooting clothes, charge for their services, and turn over the club facilities at given times to the ladies, who among us can say that the clay target sports will not be as big with the ladies as golf and bowling? I will consider it a privilege to report in these pages the experiences of the first clubs who want to test the conclusions of a newspaper editor concerning our sport. Who will be first?

○ ○ ○

"Pull" takes pleasure in announcing the opening of the only privately owned and operated trap range in the Southwest. The range was built by Dircks-Beath, Inc, who market shooting goods under the "Micro" trade name. It is located four miles South of Las Cruces, New Mexico, on Highway 85. The range will be open for practice shooting every Sunday at 10 A.M. Additional shooting days, and night shooting, will begin in early Spring. Classes will be organized for new shooters and junior shooters. This club is getting off on the right foot. (Now, if we

(Continued on page 45)

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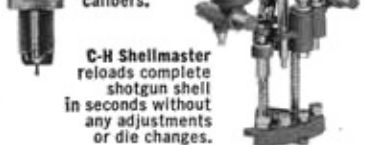


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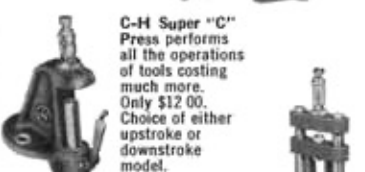
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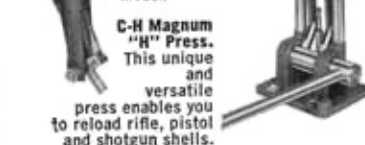
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Elmer Keith says . . .

Apologies to Keith

February seems to have been our month to do Keith wrong. By way of correcting the record, on page 8 under "Don't Do it," the final word in line 3 should have been "barrel," not "cylinder." (This is a case of the corrector corrected.)

More seriously, the last line on page 23 and the continuing lines on page 24 make Keith say that "for safety, they (auto-loading pistols) should be carried with the chambers empty." Keith didn't say it. As sometimes happens in the mechanics of magazine production, words had to be added to fill space after type was set. A long-time editor, I know better than to put words into a writer's mouth, but this time I did it. Keith writes me: "I packed a .45 auto for years, fully loaded, cocked, with side safety on. The Colt .45 Government auto is one of the safest of all guns when loaded and the hammer let clear down, as the firing pin is rebounding. Also, it is safe at full cock with side safety on, as you have to squeeze the grip safety after moving the side safety to fire it."

Editorially, and humbly, I apologize to Keith. But, with some experience in pistol-wearing too, I disagree with him. Naming no names, I have seen slide safeties on auto pistols fail, whether by mechanical failure or by being released by holster friction, rubbing against clothing, or by unintentional thumb pressure; and the grip safety on the .45 Colt is released when you grasp the butt, whether you intend to fire or not. I've carried autos fully loaded too; but I won't recommend it. What may be relatively safe for a man with a lifetime of gun-handling experience is not necessarily safe at all for the average person.

Forgive me, Elmer. Next time I have ideas of my own to print, I'll do it under my own byline.—EBM

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It has been about 40 years since I saw and used C.B. Caps for close range shooting in .22 rifles, and in a little Stevens tip-up single shot pistol for shooting rats and mice in old cabins where I had to stay the night when hunting or punching cows.

Over the years, I have had many inquiries for these little C.B. Caps. Time was when our loading companies furnished both B.B. and C.B. Caps, the former with a round ball and the latter, of course, with a lubricated conical bullet. The C.B.s were naturally much the more accurate. We used to use these tiny cartridges for indoor plinking, and they are very useful and light in report for such indoor pistol and rifle practice, and for teaching youngsters to shoot.

The S. E. Laszlo Co., House of Imports, 25 Lafayette St., Brooklyn 1, N. Y., now imports and sells C.B. Caps made by the Eley

branch of Kynoch, Birmingham, England. The C.B. caps I fired when a boy were corrosive priming, first with black powder and later with Lesmoke; but these fine Eley caps have non-corrosive primers and smokeless powder. Even so, after each firing one should take a brass brush and a good powder solvent and thoroughly clean the chamber of the arm used. They will not harm the chamber if this is done. Price is 62 cents per box of 50 retail. They are packed in cartons of 500, and cases of 10 M. The bullet is 30 grains and the velocity 725 feet.

Barnes Bullets

Fred N. Barnes, Grand Junction, Colo., has long furnished an excellent 300 grain and also a 350 grain round-nose soft-point bullet for the .375 Magnum. On heavy game, the best killing .375 Magnum load we have seen has been the Barnes 350 grain soft-point backed by 73 to 75 grains of 4350 Dupont. Barnes also furnishes 300 grain and 400 grain bullets in .40 calibers, and 400, 500, and 600 grain in .458 caliber; also .475" 500 grain for the various .470 and .475 O.K.H., and .475 A & M Magnum rifles. Write him for your needs in heavy caliber bullets.

Clean That Gun

To those of us who started our shooting careers with black powder, the necessity for gun cleaning need not be emphasized. Then, throughout the early days of smokeless powder and corrosive mercuric priming, we all had to clean regularly and thoroughly or else have a rusted and pitted bore in short order.

With the coming of the first Remington Kleenbore primers, the necessity for cleaning as soon as possible after firing was gone, and a generation grew up who were told that cleaning was unnecessary. But cleaning a gun properly is just as important today as it was in the old days, except that you do not have to tear your hair to get the job done in a few hours after firing. I believe firmly in cleaning a gun after each use, especially the action and chamber and various working parts. I also like to swab the bore with a good powder solvent. With all types of auto-loading arms especially, this is very important if you would keep your weapon functioning perfectly. Unburned powder and surplus bullet grease combine with dirt to gum up the actions if not cleaned thoroughly every so often.

While it's perfectly true that in guns fired only with non-corrosive, non-mercuric primers, bores will, in dry climates, remain in perfect condition for months after firing, it is still best to swab them with solvent at least to dissolve and remove lead or jacket fouling and protect the bore. We do not have

today the metal fouling we used to encounter with the old 1903 Springfield and cupronickel jacketed ammunition, but it is still best to clean the bore every so often, and always before the gun is put in storage for any length of time.

If you are in a long series of rifle matches in a dry climate, you can leave the bore fouled so you will not get stray shots at the start of the next string, but even then its best to pull a rubber or plastic nipple over the muzzle and leave the last shell in the chamber to keep moisture out of the bore. I did just that in 1940, the last time I served on a .30 caliber National Match team at Camp Perry, and did not lose a single shot for elevation. When I did clean that rifle at the end of the national matches, all that was needed was a few strokes of the brass brush and a thorough swabbing with Hoppes No. 9.

With all auto loaders, particularly shotguns and .22 rim fires, we must clean or the action will soon be gummed from fouling and malfunctions will occur. With auto-loading rifles, the same is true—to a lesser degree in the large calibers, as they are not fired so much and their ammunition shoots cleaner.

With revolvers using the old .32-20, .38-40, and .44-40 loads, there is usually a lot of unburned powder and this, combined with powder fouling, will soon gum up the actions if not cleaned regularly. The heavier the loads employed, the more this seems to occur and many users of 2400 Hercules (our best powder for heavy revolver loads in long cases) who slightly underload this powder will have considerable unburned powder in the gun. It does no harm in the bore but does raise merry hell when it gets into the action or under the extractors on double action simultaneous-ejection revolvers.

Closely fitted fine target revolvers are especially vulnerable to dirt or unburned powder under the extractor. I have seen many .357 and .44 Magnum revolvers gummed up until they did not function perfectly. A little judicious use of a brush and some Bore-Kleen or Hoppes solvent would have prevented the trouble. Revolvers should have the cylinder wiped clean with solvent after every firing. The barrel throat should also be cleaned, particularly around the rear end of barrel, the crane, and extractor rod and ratchet.

Considerable trouble has occurred with the new .22 W.R.F. Magnum from lack of cleaning. This rifle cartridge leaves a bit more unburned powder in the chamber, around the barrel and cylinder junction, and under the extractors. Add a little gum and dried out grease to this, and the extractor will not seat fully and then the gun will not close or function properly. Smith & Wesson have had a number of their fine Model Ks for this excellent cartridge returned for this very reason. There was nothing whatever wrong with these fine guns except for the need of cleaning. Hoppes or any good powder solvent is all that is needed, used with a good brush and swab.

Over the years, I have found that Bore-Kleen, sold by the Blu-Black Co., Protective

Coatings Inc., Detroit, Mich., was one of the best possible solvents to use in all guns using lead bullets, or in shotguns. This solvent has a large graphite content that soon impregnates the steel until guns cleaned with it lead very little if at all, and for this reason I prefer this solvent for sixguns and shotguns. On the other hand, it is a heavier solvent than Hoppes and may cause the first shot from high velocity rifles to go high. The same as true of nearly all gun oils. For the high power stuff, if you are going to shoot the gun without removing all traces of the solvent, then I prefer Hoppes No. 9 to any other solvent.

With all revolvers and auto loading pistols, carefully brush out the action and all accessible parts with a good solvent. If much unburned powder gets into the action, it is well to flush it out with gasoline or a good solvent periodically, then oil to insure perfect functioning. In very cold climates, no oil should be left in the action at all, and powdered graphite or silicone should be used as a lubricant. While a silicone-impregnated cloth is fine to wipe off finger prints and renew the polish on a gun after using, it should not be trusted for long storage periods. Then a good gun grease like Rig, Fulcrum, or any of the good commercial gun greases should be used, both inside and outside.

Guns are fine high-grade tools, and a good workman should treat them like any other fine tool or instrument. Accord them the best possible care, and you will be rewarded by perfectly satisfactory service over long periods of time.

375 H & H Magnum Turkey Load

Owners of .375 Magnum rifles can make up excellent light loads for wild turkey hunting or turkey matches by casting Ideal Lyman gas-check bullet No. 375449 of pure type metal or one to ten tin and lead mixture, and sizing exact groove diameter with the gas check fitted in place. Resize cases full length, then load 47 grains of 4895 Government powder. This load and bullet will cut one inch groups at 100 yards, and will kill wild turkeys well with little loss of fine meat. It will also take small deer if carefully placed, with no meat loss. Seat bullet so forward band just touches the lands. It is a cheap and very accurate load, also excellent for teaching the lady or a youngster to handle the big rifle. This load was first worked out by Bill McCandless, and he has used it for years for his own deer shooting and turkey-match shooting at 100 yards.

In .35 Whelen rifles and .350 Magnum rifles, Ideal gas-check bullet cast the same and sized exact groove diameter (Ideal No. 358318) will give the same fine accuracy. Use 40 to 42 grains of 4895 in the .35 Whelen, and in the .350 Magnum rifles increase the charge to 45 grains. These loads will not wear fine rifle barrels and offer the hunter cheap shooting while getting acquainted with his rifle or for off-season sport. The rifles will, of course, have to be sighted

(Continued on page 63)

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CROSSFIRE

The Comic Strip

That — about The Condor by MacFarland really takes the cake. Just how dumb can you get? No doubt you'll publish anything? Your magazine is known around here as the comic strip. Ha!

Fred N. Barnes
Barnes Custom Bullets
Grand Junction, Colorado

We have also published some things about Barnes loads and Barnes rifles. We do again, in this issue (page 8). See you in the funnies.—Editors.

Correction

I enjoyed Mr. Taylor's article "Notes on Killing Power" in the January magazine. However, he was mistaken in his comparison of the .338 Win. to the .375 H.&H.

He stated, "There has already been developed a handload with a 275 gr. bullet developing 2700 F.P.S. at the muzzle and something over 4450 ft. pounds of muzzle energy. This is more than any load available for the .375 H.&H. Magnum." According to published data, even with factory ammo, you get more energy in the .375 than with this maximum handload in the .338. To be exact, 4500 ft. pounds with Winchester's 270 gr. soft-point factory load. And if you want to use any of a number of good handloads for the .375, energies will be up in the 4800 ft. pounds class, using good safe loads.

To evaluate the situation fairly, I find that the .338 has a slight trajectory edge over the .375; but the .338 does not, nor never will, have the bone-smashing energy of the .375.

Gerry Randles, Gunsmith
Ashland, Oregon

I can only hang my head in shame and admit the mistake. I was thinking of the 300 grain .375 H.&H. load, and neglected to check the 270 grain figures which reflect substantially higher muzzle energy. I shall give myself a kick and try to be more careful next time.

R. F. Chatfield-Taylor
In The Doghouse
Harwichport, Mass.

Young Hunter

Have subscribed to your magazine for a couple of years now, and have enjoyed every issue. I'm rather new to the game of hunting. I'm only eighteen years old and haven't had time to acquire very many years of experience, but I feel that I have gained a lot of knowledge of the sport from articles in your magazine.

Thanks for a great magazine.

James H. Krantz
Ney, Ohio

Hell Of A Jolt

Sometimes it takes a hell of a jolt to wake a man up. I got it when Elmer Keith told about the two men who had their guns appropriated by the police and the courts.

It is a hell of a state of affairs when stupid city, county and state, laws, ordinances and what have you, can violate a constitutional right to own and bear arms.

I have just subscribed to GUNS Magazine and am sending my application for membership to the N.R.A. this week. What's more, I'm going to write to my state Senators and Representatives, and I advise every sportsman to do the same.

Wm. E. Smith
Toledo, Ohio

I received my first copy of GUNS today in the mail. I came to page 8 and read the article by Elmer Keith. I can't help but write you and say how much I enjoyed that article. I have always thought that somewhere there must be another person who believed as I do about the armed citizen. Mr. Keith is that person.

I have been a member of the N.R.A. for some time and my gun collection ranges from a 20 mm. Solothurn to the .22 R.F.

I reload for all my guns, except the .22 R.F., of course. I enjoy shooting, reloading, working on guns, and I would hate to see the day when all of this might stop due to some red-tinted bunch of do-gooders.

I really enjoyed this copy of GUNS and "Thank you, Elmer Keith."

Bob Moore
Tobaccoville, N. C.

I was very glad to see "Anti-Gun Legislation" in Keith's column in January. A Life Member of the N.R.A. and a hunter and handgun fan, I would like to see all gun magazines put out more material on this. But maybe these law makers don't read any gun magazines. Why not articles on that subject as feature columns in leading newspapers and general-interest magazines in order to get to the anti-gunners?

Keep up the good work.

Oscar Mischan
Gary, Indiana

Why not, indeed?—Editors.

Criticism

An editor can know what his readers are thinking only if they bestir themselves to advise him. Such advice, if temperate, sincere, and well intended can be useful. I hope my comments on your article "The Return of the Navy Colt" in the February issue may be considered in that light.

The title of this story is rather misleading. The story is dominated in both illustration

and text by a separate and entirely different subject—the making of full-scale replicas of very valuable collector's weapons.

It is not particularly fair to Navy Arms Company, Inc. that their endeavors to supply shooters with good serviceable pistols for muzzle-loading shooting be confused with or given the onus associated with those manufacturers who create exact replica Walker and Paterson Colt pistols or other extremely valuable weapons. None of the weapons in this latter class have any practical value for serious shooting, and the majority of them sooner or later are offered as rare originals.

Every time one of these easily faked replicas is made there is created a potential whereby some unsuspecting collector may suffer a \$1500-or-more loss. That is why almost all of the publications in the firearms field refuse to carry advertising for this class of merchandise.

One may not be surprised that a man who undertakes such a business shrugs off the unhappy consequences of his efforts, as indicated in your article. But the tragic trail of financial hardships, bitterness, and general havoc caused by such operations certainly should not be promoted or even condoned by a magazine of the stature of GUNS.

Practically every important gun collecting association in the country—well over forty of them—has gone on record as opposing the manufacture of exact full-scale replicas of valuable collectors weapons such as the Paterson and Walker model Colts. It must, therefore, become obvious why your article must be considered a disservice to the collecting fraternity and will be resented by most collectors worthy of the name.

James E. Serven
Santa Ana, Calif.

The above considerations were taken into account in writing the Navy Colt story. When people and things make news in the gun field, GUNS will print them. Publication of a fact does not carry with it either endorsement nor condemnation, unless so stated. We think a second reading of "The Return of the Navy Colt" will reveal our attempts to be impartial.—W.B.E.

We Burn Too

I have just finished reading the last 30 issues of GUNS and all I can say is, if a person likes guns, then GUNS is for him.

I find your articles on anti-gun laws very informative, although it burns me up when I read them. I am seventeen, and at the present rate, by the time I save enough money to go to Africa, all I'll be able to hunt with will be a sling shot!

It would be a good idea, I think, if every time you printed something about anti-gun laws reprints would be made available to be distributed to the non-shooting public to make them aware of what is going on.

Jess F. Waguespack
Napoleonville, La.

We can't afford to reprint them all. We do give permission to reprint when requested.

Disarm Texans?

Keep up the good work; you have a tough fight. Passing through Texas last month, I discovered that they now passed a law making it illegal to carry a pistol in the car. I used to like Texas.

Frank A. Conner, Jr.
Athens, Georgia

Many Liked the .22 JGR

Congratulations on your article regarding the .22 JGR Cartridge recently developed by Mr. John Gower of Toronto, Ont. I was fortunate in being able to witness several test runs on this small but mighty cartridge. The .22 JGR seems to be just what the average shooter should be looking for; he will be able to reload empty cases for about 5½¢ each; what more could a varmint shooter ask?

I have a feeling this little cartridge will be a real top notch performer in a scoped pistol. I am having my Ruger single six chambered and scoped for chuck shooting this spring.

It seems our Canadian sports writers and TV sports show operators are not interested in new developments in the sports field, at least they haven't proved otherwise to date. It would have been very nice of them to give Mr. Gower a break which he so richly deserves; after all, new cartridges like the .22 JGR are not born every day, especially, by a fellow Canadian.

W. O. Widmeyer
Toronto, Ontario, Canada

Busy Lawmakers

I read in your January issue the comments of several congressmen who didn't have time to make a comment on the Second Amendment of the Constitution. A lawmaker who "doesn't have time" to make comments on one of the most basic laws of our fair country doesn't deserve to be in Congress or in a State Legislature, either. Sporting organizations should take steps to enlighten these individuals and, if they don't see the light, take steps to get them elected out of office.

I personally believe that a person should be able to own all the guns of any type that his conscience says his pocket book will allow. The only legislation against weapons should provide for immediate and severe punishment for anyone convicted of abuse, criminal negligence, or unlawful use of a firearm.

George J. Boe
Junction City, Kansas

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Fred Ames, Ames Guns
Santa Monica, Calif.

Contradiction?

Yours is THE firearms magazine on the market today. I've learned from and enjoyed its contents for the better part of two years.

But I'm concerned about a couple of statements in the February issue by a gentleman for whom I have utmost respect. In the article on "Combat Quick Draw" by Elmer Keith, Keith says, "As for actions, nothing is any faster, draw and hit, for the first shot, than the single action." Then, later: "Some insist that the single action is the fastest gun for the first shot, but I do not believe it."

I don't wish to question or criticize the validity or soundness of the statements, but don't they contradict each other?

J. G. Herrmann
Riverdale, Ill.

No. It's what used to be called a "Mexican stand-off."—Editors.

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HANDLOADING BENCH

By KENT BELLAH



.44 Magnum Loads

THE .44 MAGNUM is the most potent factory handgun cartridge ever created. The heavy case is the best for reloading. Our first center fire brass case was the Smith & Wesson .44 American, introduced in 1869. The Russians promptly improved it to be an all-time record setter. S & W improved the Russian ballistics when they brought out the .44 Special in 1907, a favorite for hull fillers until they introduced the mighty .44 Magnum in 1956. Russia has not equalled this powerhouse, that shoots all the various .44s.

The .44s have been untempermental since black powder days. Minor defects in bullets

(that give lousy accuracy in smaller bores) shoot well. Charges are not critical. The big Ruger and S & W guns are extra strong. They purr like a kitten on a "crackers-and-milk" reduced load diet. Feed one raw meat and gunpowder and it roars like a lion, cleaning out varmints faster than Las Vegas does a sucker. Modern loads have superb accuracy at any range. They shoot far, packing killing power for man or beast, even after velocity slows to near sling-shot speed.

High voltage performance hurts a little: first, in your left hip pocket when you buy a gun. Factory ammo is the highest priced handgun fodder, but cheapest on the basis of delivered energy. Reloads cost little more than refilling .38s, as little as 60¢ per box. You can start the big pills slow, or rev 'em up to become airborne at an amazing 2,000 feet per second.

Despite contrary implications by some writers, factory loads kick harder than any factory ammo in guns of identical weight and design. Heavy pills at Hi-V will recoil. If you learn to handle a Big Maggie it's really a dilly. If not, divorce it, or use slightly reduced loads that serve most any purpose, and are more potent than any .357.

Trying to empty 300 rounds one afternoon to get the hulls, my last shots were missing the target. My hand was bloody and you could have heard the bells ringing in my ears. Muzzle blast, amplified by being under a tin roof, and a bloody hand, gave me flinchitis. I'm not a super-man who enjoys firing hundreds of hot loads daily. But who wants to? Too many hot loads at one session are not good.

I like hell-for-leather loads in these big lead exponents in reasonable volume. If you are a novice, take these tips. Take it easy for a while. Loads in the .44 Special pressure range are mild as milk toast with tranquilizers. Work up to hotter fodder, then mix in a few top loads at each session. Try to make every shot count like it was your last one. You'll never master any gun if you do not try your best. Practice often. Two short sessions are better than one long one. In a few weeks you'll amaze yourself and your friends, so stay with it. Your gun will have more range and more punch than lesser bores.

Now that I've praised and damned the Big Maggie, let's see what we can expect with good guns and good loads. I think both have been overrated and underrated by some writers.

Long or short barrel? Long tubes equal short tube efficiency with reduced loads, with less recoil effect. Check the new factory ballistics in this article to see if short barrel convenience is worth the energy loss to you.

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3" (6 minutes of angle) at 50 yards in tests. They hold that accuracy beyond practical hunting range. With a two-arm rest a good shooter can put most shots in about 10 m.o.a. On that basis, 100 yards is about max range for fairly sure deer kills. Many are bagged at around 50 yards.

At 300 yards bullets whine and ricochet. Lead will splatter and rocks scatter. You can put a goodly number of slugs in a 20" circle, using a rest. Hot loads, pregnant with powder, still have a deadly punch at 500 yards. This range is for plinking, not hunting. But man! you never had so much fun. Riflemen who think handgunners can't get the lead out across canyons oughta try it a while.

I tested factory bullets for hardness. Super-X registered 10.0, Remington 9.0, which may vary with different lots. Western's softer pill expanded to .90" in moist sand, Remington's to .72". My top Jugular load expanded the soft slug to 1.25" with lead shedding. It rips twice as large a hole in lead blocks as factory stuff. This is the most deadly load ever created for standard handguns.

Max case length is 1.258". To face-off all hulls, trim to 1.275" or so. A uniform length insures a uniform crimp for accuracy. If your seater does not make a fairly heavy crimp, file a few thousandths off the bottom, or use a .44 Special die. You can make a "C" shape case length gage from sheet metal, always correct for your cases, equal to a mike or caliper. It's real handy to check or sort hulls. You can hollow point loaded ammo with the H.P. Accessory in the Forster Precision Case Trimmer, to greatly increase shocking power. H.P. Jugulars blast varmints like a .30-06. They are too destructive

for small eating game, leaving little meat.

Remington and W-W hulls are about equally good. Velocity (and groups) will be more uniform if you use one make and lot number. I reserve Remington for hot loads, W-W for lighter stuff. Fast, perfect ignition is important with either type. I prefer CCI primers for all .44 loads, with W-W second choice.

Ed Yard, 110 Kensington Ave., Trenton, N. J., sells .44 Special-Magnum load data for 75c. It is quite interesting, listing charges and velocity for several cast bullets.

Max charges must be weighed. Two grains below max can be measured if your measure is accurate and you can use it correctly. Check out your measure and technique by weighing 100 charges. If you can hold No. 2400 powder to .3 grain or so variation you are in business. Sloppy measures and sloppy technique makes lousy ammo. With a SAECO or RCBS measure I bump the handle twice at the top to settle the powder, and once at the bottom to expell it. Master a routine and stay with it.

A thermostat-controlled electric furnace is a great aid to uniform cast pills. So is a high quality lubricator-sizer that is in perfect alignment, with accurately made dies.

Best cast bullets are 215 to 255 grains. A good plain base is a Lyman-Keith No. 429421. Accuracy Bullet Co., 40 Willard St., San Francisco 18, Calif., makes this, and other excellent cast bullets, sold by many dealers. Their "Copper Coated" number is 9% antimony, plated with .001" copper over .001" nickel, to eliminate a gas check. These Accuracy pills have fine accuracy. I don't know any practical way to plate cast pills

(Continued on page 57)



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Golden State Gun Goodies

GUN COMPANIES usually send out some of their arms to selected gun writers on a "loan account" basis. This saves the gun writer's pocket book; eventually most of the guns are returned but, meanwhile, he has the use of them to study, test, write about, and report. But the other day I shelled out hard money for a couple of rifles from Golden State and, in spite of their costing me something, I'm sufficiently pleased with them to write them up.

First is the Snider-Enfield .577 centerfire carbine at \$19.95. The specimen received is 19½" in the barrel, with good military finish in mint condition on barrel, breech unit, and 1870-dated ENFIELD VR lockplate. The brass guard bow is from a percussion Enfield, with the small hole in front for the ring that holds the nipple protector chain.



Snider 1865 breechloader can be shot using Alcan's 28 gauge brass shells, trimmed, and Lyman .58 Minie bullet.

Bore in this arm is nearly perfect, and in the brass-plated butt is a cavity holding the original 2-piece cleaning rod.

In opening the side-swing Snider breech, we noticed the extractor did not work. This is a segment of the chamber wall, and is engaged with the breech block such that when the block is aside, and pulled smartly to the rear, the case is pulled back also for ejecting. Grease from 1870 gummed this. By removing the small screw-pin on the right side near the head of the breech block hinge pin and then carefully prying this forward, the gun could be easily disassembled for cleaning. The spring which pushes the breech back forward, after extracting the case, is housed in telescoping cylinders to the rear of the block, mounted on its hinge pin. Be careful these don't slip loose when you remove the block. In closing the gun, it is important the block be forward and, if you plan on shooting it with handmade cases always have the rim well seated so as not to jam the block. Examination of the breech face and chamber of my gun indicated it probably had never been fired since issue from Enfield Royal Small Arms Factory. On top of the breech ring a tiny Roman III is stamped, indicating this is the Mark III Snider conversion. About this, the British Textbook of Small Arms (1929) states:

"In 1864 the importance of arming British troops with a breech loader was confirmed by a special committee. The Ordnance Com-

mittee, after investigating some fifty different actions, selected Mr. Jacob Snider's horizontally hinged breech block. This was held in place by a projecting stud (Mark II) or a spring catch (Mark III) and had a hook extractor to withdraw the cartridge by engaging in the rim. This system owed its success to the adoption of Colonel Boxer's improved cartridge, which had walls of thin coiled brass, as well as paper, an iron disk for base, and a central fire cap. The muzzle-loading Enfields were converted to this system and, when the cartridge had been perfected, gave better accuracy as breech loaders than in their original form." Though no ammo is available presently from Golden State, we did notice Snider cartridges, foil, at \$1 and paper at \$1.50 each, as collectors' specimens from Elwood Epps, Clinton, Ontario, Canada, in Epps' current big list.

Second "find" from Golden State is their Westley Richards capping breech loader, with eight-sided Whitworth Patent (marked) rifling. Of this one, W. W. Greener (The Gun, 1881 First Edition) says: "This was adopted as a [British] cavalry arm in 1861 . . . The bore is .52 or .450. It is very accurate, and has a long range. It can be fired six or seven times in one minute with comparative ease, and is the best capping breech loader that has ever been produced. (Italics are ours.) It has been much in favor as a sporting breech loader and is still in use [1881] in South Africa. By inserting a metal plug and two felt wads in the breech chamber, this rifle can be used as a muzzle loader. The cartridge for this rifle is a self-consuming one; composed of a



W-R rifle takes musket caps, can be used as muzzle loader when plugged.

soft paper envelope, with a soft felt wad at the base. The cartridge is ignited by a percussion cap, the flash of which is strong enough to penetrate the said paper envelope, and explode the charge. The wad expands and prevents escape of gas at the breech. The next cartridge inserted takes forward the expanded wad, and it goes out with the charge."

Greener cautions one, too, that the sliding brass-headed obturating block must work freely and the gun must be in generally good condition, or else "the lever is apt to fly up at the moment of discharge, and the gases find an exit at the breech."

The specimen received was dated 1867 and marked WESTLEY RICHARDS & CO. outside the lock but the lock itself was made by T. RIGBY, marked inside. The arm app-
(Continued on page 60)

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THESE POLICEMEN TEACH Teen-Agers To Be Straight Shooters

By W. ROY HUNT

IN HUNDREDS, literally hundreds, of American cities and communities today, trained, experienced, hard headed but straight thinking policemen are *encouraging* youngsters to handle loaded guns.

This must seem shocking indeed to the New York City police captain who was recently quoted as wishing wistfully for "a law to make it a crime to have a loaded weapon within city limits." But police thinking, from top echelons down to the patrolman on the beat, is changing. Witness the published statement of the National Police Officers Association of America in this magazine, September, 1959. Perhaps the complete failure of New York's Sullivan Law to keep guns out of the hands of criminals (including psychotic teen-agers) has helped bring about this change. Certainly the success of the many police-supported junior firearms training programs has proved the worth of this new way to combat juvenile delinquency. It works! And any method that works in the war against crime, whether juvenile or adult, gets quick support from thinking law enforcement officers.



Splitting bullet on ax blade is only one of the lessons in straight shooting kids learn from Texas Highway Patrolman Reeves Jungkind.

POLICE SPONSORED FIREARMS PROGRAMS
FOR KIDS TURN POTENTIAL HOODS INTO STRAIGHT
SHOOTERS WHO RESPECT THE LAW



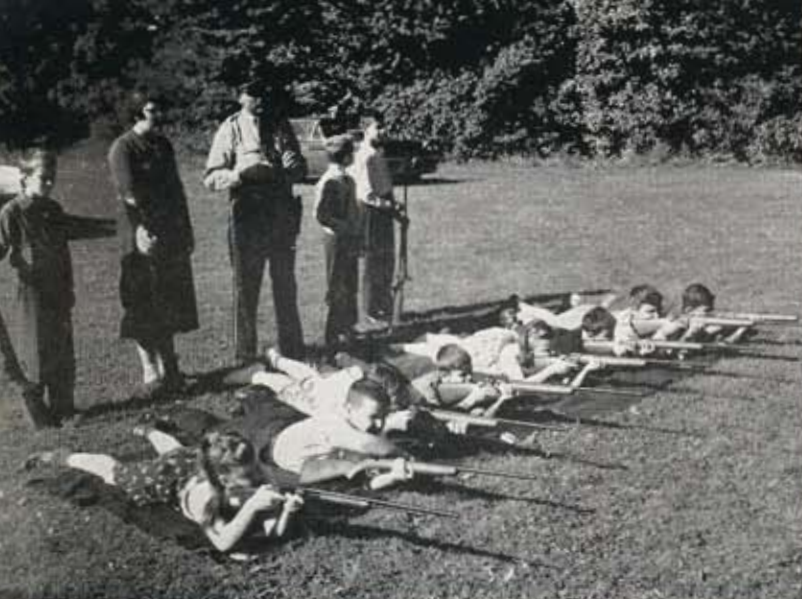
Kids' love of riflery, juvenile officers find, gets them on right road to good citizenship. Above, real cop Gene Carlile poses with TV star Marshall Wyatt Earp.

While profit-seeking newspaper columnists and sob-sisters (male and female) emote in certain ladies' journals over Homicidal Harriet and her murdered little brother—while “get rid of guns” hysteria captures neurotic “moms” and the tender-minded of both sexes—thousands of America's best policemen are making a sounder, more practical approach to the problem. They know that a murderer's psychosis cannot be cured by city ordinance, that the absence of a gun will not prevent an undisciplined punk from committing violence with some other weapon—that the best breeder of teen-age crime is “nothing to do”—and that the strict self control, physical and mental, that is essential to firearms marksmanship is a first-class substitute for the lacking parental or other discipline in the development of proper conduct, social responsibility, and the respect for others that is the basis of law-abiding citizenship.

Houston, Texas, is just one of the many American cities where cops are teaching kids to shoot. Houston has had its share and more of crime, including juvenile crime. But tough-minded, grimly experienced Houston cops are not



At open house Evansville, Ind. officer Gene Carlile who won GUNS Police Award honorable mention describes firepower of Colt Monitor.



Sixty-nines are on the line at Woodbridge, Ct., Shooting Assoc. Here Chief Dick Ciarleglio spots for shooters.



Stratford PAL-ers Barbara Winton (left of cup), Barbara Chaffee (kneel, left) shot for Randal Trophy at Perry.



Leading Lake County, Ill., lawman Mel Mullins and Elmer Keith coach Lake Forest junior Mike Kearney. Mullins plans county junior rifle program to fight delinquency.

pleading for prohibitory gun laws. They know that "let's do this" will do a thousand times more than "thou shalt not" toward keeping idle hands out of mischief; and so they are backing marksmanship training programs, teaching kids to handle guns properly and well. They are staging exhibitions of fast and fancy pistol handling that pull kids in off the streets in droves, arousing interest that funnels them into the marksmanship classes that keep them off the streets. They are practicing education as opposed to prohibition . . . and it is getting results.

It took guts to promote and carry through the Houston program. Houston, like every other community, has its share of die-hards and hysterics, and when Houston newspapers carried the announcement that a demonstration of guns and gun handling would be staged in four of Houston's senior high schools, "hell in Texas" was more than a book title. Editors were swamped with letters, some favorable, many far from it. The severest criticism came from the pen of the late Carl Victor Little, columnist for "The Houston Press," newspaperman of the old "fighting" school, master of satire and the pungent phrase. It was not Little's habit to side with the "bleeding heart" element, but he had been eloquently critical of the Houston School Board for months before this announcement, and the firearms "classes" gave him a new target. He ended his first column on the subject with the thought that "when word gets around about this piece of foolishness, it may well be called off."

But it was not called off. The demonstration was staged, and Little, reporting on it, admitted that his granddaughter, Vicki, came home all in one piece, but that he was lending her a bullet-proof vest to wear—a relic of his days as a Chicago reporter.

The gun demonstrations came about through the cooperation of four agencies: the Houston Public School Officials, the Houston Police Department, the State Department of Public Safety, and the Houston Law Enforcement Commission (a 50-member group created by city ordinance in 1958).

The program consisted of a brief talk by Dan E. Goodykoonz, executive director of the Law Enforcement Commission; further comments by J. M. O'Neal, assistant personnel manager of the Hughes Tool Company and a member of the Commission; and shooting demonstrations by Patrolman Reeves Jungkind. Captain K. B. Hallmark of the Texas Highway Patrol introduced Jungkind to the assembled faculty and student body, and the show was a good one even for the gun-wise members of the audience. It left the children and less-gun-wise adults gasping. All youngsters admire a champion, and demonstrations by a champion shooter like Reeves Jungkind gave the youngsters visual evidence that firearms can be precision instruments in the hands of an expert. It also showed that guns are handled carefully by those who know guns best.

The shooting was followed by a 20-minute talk by Inspector Larry Fultz, Houston Police Department.

Officials claim that Inspector Fultz is the youngest police inspector in the United States on a force comparable with Houston's in size. He is a career officer, college educated, with degrees in both Science and Law. The Fultz talk emphasized police training and the fact that law enforcement bodies are coming more and more to a system of having thoroughly trained career officers who are professionals in law enforcement work. This was intended to increase the students' respect for law inforce- (Continued on page 36)

GUNS MAKE THE LAW IN NEW CHINA



GUNS FROM AROUND THE WORLD ARM GUERRILLA BANDS OF

"NEW" CHINA'S MINOR WAR LORDS

By HORACE BRISTOL



Bandits guard sampans unloading contraband for China as "mayor" Wong Hon relaxes with family.

IN COMMUNIST CHINA, where The State has stripped the individual of all rank and given him equality with the lowest, Wong Hon, the citizen-bandit, survives as a stirring example of independent enterprise. That his activities are extra-legal is just one of those contradictions that can exist only in China. He might be called with perfect truth, a smuggler, a petty gangster, a racketeer, even a pirate. But he is also a respected administrator of justice, a trusted government official, and a protector of peace and order. In all these trades his tools are firearms, and a more miscellaneous and motly lot of small ordnance has hardly been assembled under one roof.

Wong Hon is far from being a gun collector. His arsenal



Youth who serves as personal bodyguard to Chinese city boss takes ten by comic book kiosk, M1 Carbine at hand.

之令相



Typical arms in New China are CZ LMG, Mausers, Brownings, Bergmann and Thompson SMGs, shotgun, bazooka. Soldier is checking Mauser bore.



Armorer fits new butt stock, inlets end for old plate to be attached. Gun is Czech Brno 8 mm light machine gun. Some CZ guns were made in China.



is in daily use. Though he is a charming host, a family man whose love of children, his own and all others, has made him idolized by the villagers in the small, stone-walled town which he has fortified as his headquarters, this slender, handsome man with an engaging smile is undisputed chief of 600 or more heavily armed brigands.

As commander of his own private army, Wong Hon has many unusual duties to perform in patrolling the small but vitally important sector of the inlet-notched South China coast, where it turns westward into the broad and muddy reaches of the Pearl River estuary. In the area adjacent to this ancient highway of smugglers, Wong Hon's actual title is mayor over 18



Wong Hon's guards use Chinese-manufactured Thompson M1928 guns, along with newer M1 types, while bandit chieftain kneels with hand on S & W .38. Belt bottles may hold gasoline.

small villages which make up the 5th district of Chung Shan, adjoining Portuguese Macao.

This is a strategic location, especially to Chinese smugglers, who have been operating in this area for as long as history records. This short strip of riverine coast, with its thousands of hidden coves and islands, makes an ideal base for illegal entry of foreign goods into China. For centuries, this country forbade all commerce with the outside world, then allowed a limited import and export trade under official control in Canton. Flaunting strict centralized control, by protecting smugglers and taking his "cut," is Wong Hon and his well-organized and well-equipped band of fighting men.

Wong Hon's arsenal is miscellaneous, but each weapon is retained in good condition by his skilled armorer. Each gun is originally selected with an eye to utility. The base of firepower is around the light automatics, of which he has several. Caliber differences are not easily solved, but take ammunition which are "surplus" and standard calibers of his own or nearby nations. For example, his fine Chinese Brno light machine gun, fully marked in Chinese, was manufactured in a mainland Nationalist arsenal before or during World War II. The gun is Czech design, was built with Czech engineering aid. Its caliber, 7.92 Mauser, has been standard in China since before War One, and Chinese forces are no strang-

ers to automatic arms. The old Chinese Empire was the first nation in the world to adopt a self-loading shoulder infantry rifle, the automatic Liu recoil operated rifle. The Liu was engineered and tools made by the Pratt & Whitney Tool Co., Hartford, Conn. About 20 rifles were built on parts made when the tools were set up and tested in the Pratt & Whitney factory; then the whole works were disassembled, put into cases, and shipped all on one slow boat to China. Unfortunately, the freighter carrying the Liu factory sank in a typhoon in the China Sea, but if some idle eddy should roll ashore a case of these rifles, Wong Hon's armorer is sufficiently skilled on a wide enough variety of arms that he probably could put them into serviceable condition!

The 8mm (7.92) Mauser caliber is now second line in an official sense, as many of the mainland Communist forces as well as the Formosan Nationalist troops are equipped with U.S.—standard .30 caliber arms: Springfield and particularly M1917 Enfields, and a few Garands. None of these latter are in the hands of Wong Hon's men, though M1 and M2 U.S. caliber .30 Carbines are highly valued individual arms.

Sharing honors with the Brno guns when I was there, was a newly-acquired Japanese WWII-made Type 99 Nambu light machine gun in 7.7 caliber. Huge stocks of Japanese cartridges were left in 1945, but this, after fifteen years of storage in tropical extremes, is not always in good, sure fire condition. Some Jap 7.7 rifles were once converted in Tokyo for police use to the .30 U.S. cartridge, and this could be done with the Type 99 gun, by replacing the magazine with an altered BAR clip. But neither BAR clip nor supply of .30-06 cartridges is available to Wong Hon. He expects the use for the Jap gun will be mainly to increase the show-off strength of his forces, and if he can get good ammunition for it by trading with some smuggler from Japan, he may put it in the line with the Brno LMG.

Thompsons (Continued on page 46)



Author's son takes aim with a long-barreled single shot chambered for new .224 Kay-Chuk.

A Handgun Wildcatter Sounds Off

By FRANK DE HAAS

WHAT WE HANDGUNNERS NEED worse than a good five-cent cigar is a handful of good new handgun cartridges. If you doubt it, check your ammo catalogs.

Not counting the .22 Rimfires, today's commercial line-up of handgun ammunition includes 26 cartridges. But only 15 of these are for American handguns now in manufacture; six of the 15 (the .32 S&W and .32 S&W Long, the 9 mm and .38 Super, and the .45 Auto and .45 Auto Rim) are so nearly duplicates that they shouldn't be counted as six but only three *different* loads; and all but two of the entire 26 are half a century old or older!

In rifle ammo, commercial and standard handloads, there's a cartridge for every purpose, for every animal from mouse to moose; but the handgunner is a forgotten man in all but one or two narrow categories. I personally think that, still excluding the .22 Rimfires, the present handgun cartridge list could be cut to eight loads without loss to anybody except maybe the ammunition companies and the million who own (why, I don't know) .25 and .32 caliber automatics! Which eight? The .32 S&W Long, 9 mm Luger, .38 Special, .357 Magnum, .44 Special, .44 Magnum, .45 Long Colt, and the .45 Auto. And some of these, too, we could live without.

It isn't that handgun handloaders haven't tried. There have been some mighty efficient loads developed by handgun wildcatters; they just haven't been adopted commercially.



Bundle of pistols was tried by De Haas father and son in checking out potential of wildcat handgun rounds.

FOR RIFLES, THERE'S A WILDCAT BEHIND EVERY BUSH

BUT STANDARD HANDGUN LOADS, SAYS DE HAAS, ARE STALE WITH AGE



Wildcats (Haas' favorites*, right) include Askins' .22CF, K-Hornet Jr.*, .224 K-Chuk, .22 K-Hor., .25 K-Hor. Jr.*, .25 Hor., .30 Carbine, .32/38 Spec., .401 Spec.*



One such wildcat was the little .22 center-fire cooked up by Charlie Askins Jr. for a gunsmithed Colt Woodsman Match Target, to provide a nearly recoilless gun for Center Fire match competition. This was a center fire using a shortened 6 mm Velo Dog case with the .22 RF bullet seated to the same length as the regular .22 LR cartridge. The rules for match competition were hastily changed to outlaw the little cartridge and, since it had no other purpose in life, it died unsung.

The latest (so far as I know) handgun wildcat to gain wide attention is the .224 Kay-Chuk, based on the .22 Hornet (rifle cartridge) case, "invented" by Jim Harvey. Not that there is anything new about Hornet-cased loads to handgun wildcatters; much longer ago than I care to remember, I rebuilt an old Single Action Colt to handle

the factory Hornet cartridge and, later, when Lyle Kilbourn designed the K-Hornet, I made another Single Action to handle it. Most of the shooting I did with Hornet revolvers was with handloads, using cast bullets and a mild powder charge. My favorite load then, as now: six to eight grains #2400 powder behind the Ideal Loverin #225438 gas-checked 43 grain bullet. But the Single Action Colt and the one I chambered for the blown-out K-Hornet are both quite pleasant to shoot with factory ammo, because the enlarged chamber cushions the power as the case expands. (Continued on page 51)



Favorite "turtle gun" is .401 Special Remington on light rolling block action. Big bullets print accurately with moderate loads. Right, .25 K-Hornet Jr. Ruger, extensively tested in return-to-battery rest on author's basement range, firing over thousand shots in barrel-load studies.



The Goliath

Big rifle's bores loom large as shotgun tubes at business-end of H&H.

NOT FOR PLINKING, NOT
FOR PRONE, BUT WHEN YOU FACE THE
CHARGE OF AN ANGRY TUSKER
AND ALL THE CHIPS ARE DOWN, THE BIG .600 PACKS THE PUNCH



Biggest game drops with extra thud when hit by .600. Smiling, Wurzbarger finds biggest rifle impressive arm, recommends double.

of the Big Doubles



Massive 110-grain cordite loaded .600 dwarfs .300 Mag., .22 Hornet. .600 rifle was made by H&H for murdered King Faisal, Iraq.

By GEORGE WURZBURGER
as told to
JAMES JOSEPH

HE WAS MONSTROUS—the heavy-tusked bull rearing there but 70 feet ahead, his butte-grey flanks framed by thorn-bush and acacia.

We'd spent six months in Africa, and had passed up a hundred elephants, waiting for a single mammoth among trophies. And now . . .

"Take him . . . make them count!" rasped Vic Bentley, my white hunter, from close beside me.

Slowly I raised the Holland & Holland. Slowly my fingers slacked against its twin triggers, my eyes lining down the side-by-side barrels.

"Go for the brain!" hammered my mind. "Squeeze them off, one at a time . . . NOW!"

Even as I rocked back from the recoil, I sensed they'd not stopped him . . . those steel-jacketed .475s hadn't cut him down, hadn't found the vitals.

The beast roared, pivoted, and like a freight train gaining momentum, lumbered toward us, trunk lashing, eyes wild and raging.

I heard Bentley gasp. Then, loud as a dreadnaught's big turret, a blast from close behind pounded me to the ground. I sprawled limply in the knee-deep grass, stunned, conscious of the veldt trembling beneath me. For a second the world seemed to go deaf, deadened by the concussion which had literally slugged me into the veldt. Never, in 30

years of big-game shooting, had I heard anything like it. Hardly had the shot gotten away than there came a thunderous thud. Then sticky silence settled across the vast flatness of Kenya's Northern Frontier.

Shakily, I got to my knees. I figured Vic's gun had blown up, thought I'd find him maimed, maybe his face blown away.

But Vic wasn't even hurt. He stood nearby, wryly massaging his shoulder, a grin creasing his leathery face. Seventy feet farther lay a grey mountain of flesh and ivory. The monster was eclipsed with a single shot from Vic's Holland & Holland .600 . . . a goliath among Africa's traditionally big guns.

Almost sensuously, Vic was dusting "Big Bertha." It was the huge double rifle with which, on many safaries, he had second-guessed his clients, brought them back alive.

"It's bullet weight that's important," Vic mused half aloud, as he continued dusting the weapon. "Velocity? It counts, certainly. But weight counts more here in Africa, especially when it's elephant you're stopping."

Six months before, Vic had said the same thing, and in almost the same words as we chatted on the veranda of



Holland & Holland's latest .600s were for King Faisal (left; and view right) and monster 17 1/2 pound cannon (rt., above) for French Deputy to hunt Cameroons.



Wurzburger says guide's .600 backing him up gave him confidence to drop charging buff with .475. Californian has hunted Africa often.

his lodge there on Nairobi's outskirts. In Vic, I knew I had one of Kenya's top white hunters, a trigger-tough veldtsman versed in the ways of Africa's Big Three—elephant, rhino and buffalo, and these were the trophies I wanted.

"Might as well take a look at what you've brought," Vic said congenially, gesturing toward the gun crate which, only that morning, had been trucked out from Nairobi's freight house. For the next fifteen minutes, Vic stood over the crate as, one by one, I handed him the firepower I'd shipped from Stateside. I brought the guns the experts had advised taking to Africa. Vic's comments were curt.

About my .30-06 Winchester? "It'll tide you over the smaller stuff," Vic appraised. The .22 Hornet? "Nice," he said, "for crocs." My 12-gauge Andre, the German-crafted shotgun I'd prized back home? "Excellent," Vic enthused, "plenty of birds to keep both barrels working." Finally, from the crate's bottom I dredged what I was sure would, for Vic, be the piece de resistance, my elephant gun, the .375 Model 70 Winchester Magnum.

"Nice," Vic smiled . . . "for antelope."

I flushed at the criticism. "For elephant," I corrected, certain he was joking.

"If you are very steady-aimed, yes," he said slowly, and I knew he wasn't jesting, "and if . . . if you are very lucky."

"But Vic," I protested, "the .375's the biggest we make . . . commercially . . . Stateside. Why, in Alaska . . ."

"They hunt Kodiak bear, you were going" (Continued on page 39)



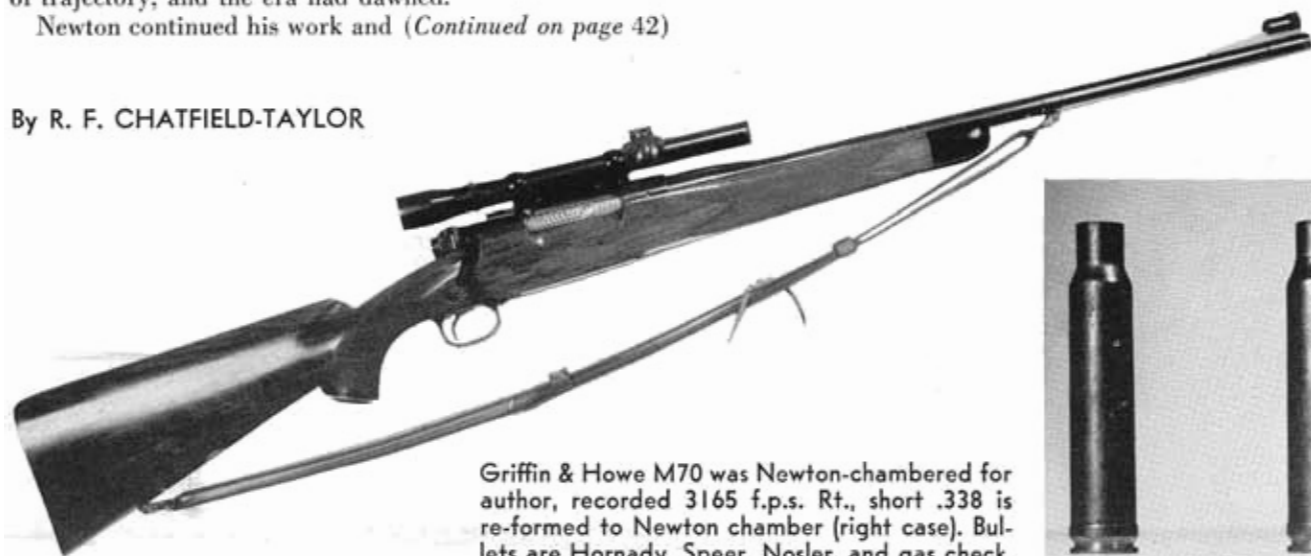
IT IS NOT OFTEN in this vale of tears that we run across something which is both very good and also reasonably cheap and simple. When one does discover such a thing, he's apt to sing a paean. I sing of the .30 Belted Newton.

As all good gun-cranks know, there once was a man called Charles Newton. He was a lawyer, gun-nut, wood-chuck hunter, and semi-pro ballistician, as well as a designer and manufacturer of rifles and cartridges. I believe it is fair to say that he was the father of high-velocity in this country. Operating in the early nineteen hundreds, he developed the first well-known high velocity load for Savage. It was called the .22 Savage High Power and was made by necking down .25-35 W.C.F. brass to .22 calibre. It pushed a 70 grain bullet at 2700 ft. secs. muzzle velocity. It was called the "Imp" and, granted a certain type of hit, would kill deer as though lightning had struck them.

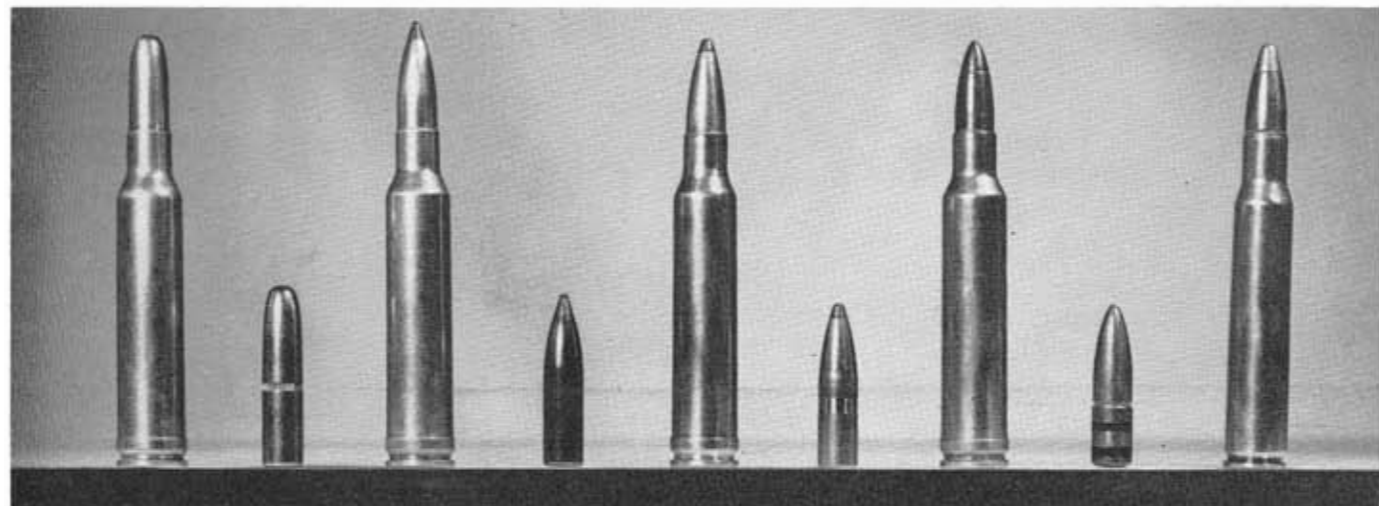
Mr. Newton felt, however, that it was a little on the light side, and he proceeded to develop the .250-3000 Savage cartridge. It was simply the .30-06 case shortened and necked down to .25 calibre, with a 26 degree, 30 minute shoulder. Newton originally wanted to load it with 100 grain bullets but Savage wanted to advertise 3000 ft. secs. velocity. This was not feasible with 100 grain bullets at that time with the powders then available so they cut the weight to 87 grains. This load established what high velocity could do, both as to killing power and as to flatness of trajectory, and the era had dawned.

Newton continued his work and (*Continued on page 42*)

By R. F. CHATFIELD-TAYLOR



Griffin & Howe M70 was Newton-chambered for author, recorded 3165 f.p.s. Rt., short .338 is re-formed to Newton chamber (right case). Bullets are Hornady, Speer, Nosler, and gas check.



FROM .30-06 TO POTENT .30 BELTED NEWTON

EASY AND ECONOMICAL

**CONVERSION FITS STANDARD GUNS FOR
HIGH SPEED HIGH PERFORMANCE LOAD**

You Can't Lie To A Microscope

By Lt. E. H. CROWTHERS

Pennsylvania State Police Crime Laboratory

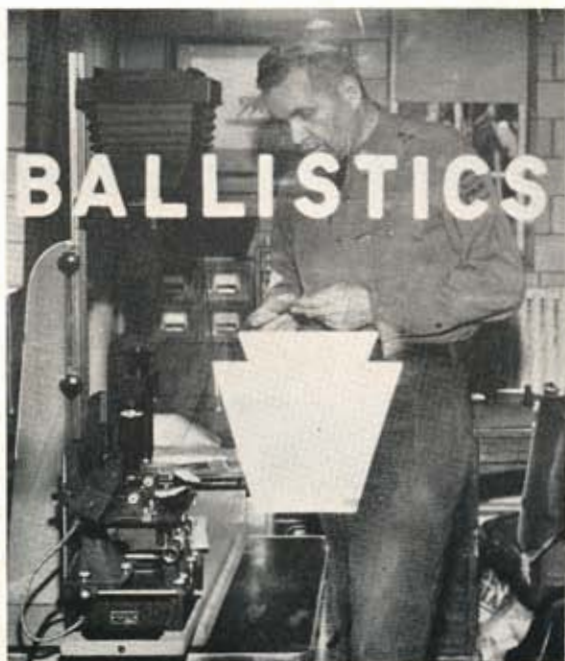
IT IS EARLY EVENING, the fall of the year, when darkness descends early and very rapidly over the heavily wooded game forests of Pennsylvania. A car is cruising slowly along a dirt road in the deer country, with a powerful spotlight probing the edge of the forest. Suddenly, a large buck stands illuminated in the glare of the spotlight's beam. A rifle cracks sharply; the buck drops. Then all is quiet again, except for the chuckle of the motor as the car rolls up beside the kill.

This is "spotlighting"—"jacklighting" is the term more commonly used—one of the most unsportsmanlike acts in the repertoire of the modern poacher or game law violator.

Such scenes were common a decade ago. They are less common now—now that the Pennsylvania Game Commission has enlisted the aid of the Pennsylvania State Police Crime Laboratory to help them combat and apprehend the violators and spoilers of good hunting. What few people know is that firearms identification plays a big part in this work. Everybody knows how this science aids FBI and law enforcement agencies in the detection of crime, but few are aware that this is a tool also of the Game Warden-detective. Yet the Ballistics Unit of the Pennsylvania State Police Crime Laboratory has done wonders not only in the detection but in the conviction of game



Game warden checks hunters who legitimately tagged their own deer, but bullet microscope has tripped up some hunters who said they "found" theirs.



B & L comparison microscope is standard tool of lab; is essential for checking bullets to determine if they came from same gun. Arms room of Pennsylvania police holds game law violators' guns held by "Ballistics" for study.

criminals. In the past, nothing short of an eye witness to the crime would produce a conviction, and sometimes even an eye witness was not enough. As a result, many poachers and game law violators were left free to roam the woods and poach almost at will, confident that, even if they were seen, witnesses would be reluctant to testify against them. This is not true today. Poachers can be brought to justice even though there was no witness to the crime itself. And a comparison microscope has no friends, no reluctance to testify.

Reluctance to testify against game law violators is a strange phenomenon among hunters, since these crimes directly affect all hunters; but it exists. Sportsmen scream to high heaven when they read of the despicable tricks that are pulled by the habitual game law violator. They

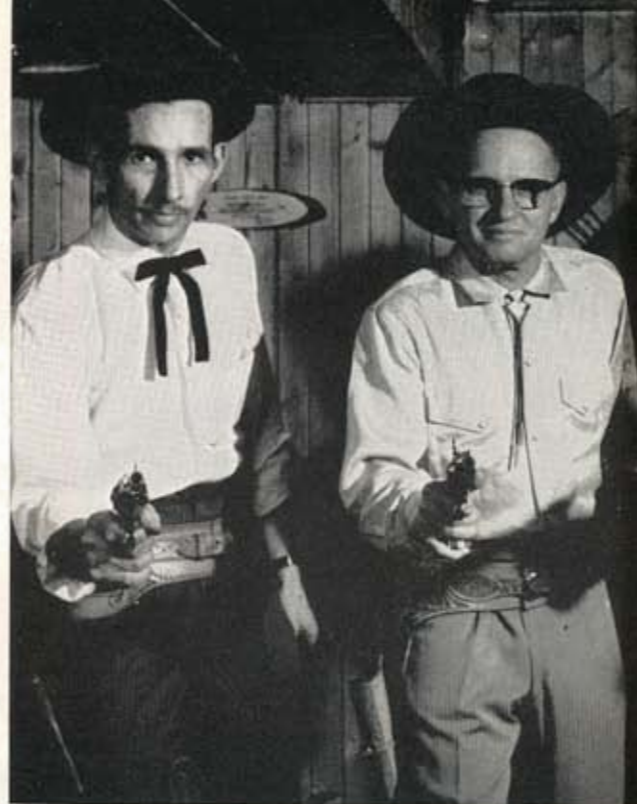
shout, "There oughta be a law!" Of course, there *is* a law. There are plenty of laws on the books now, if they were adequately enforced; and they could be at least *more* adequately enforced if hunters were willing to do their part by testifying against the culprits when asked to do so. Laws by themselves are not enough. Law abiding citizens have a duty in law enforcement, too.

The Ballistics Unit of the Pennsylvania State Police Crime Laboratory provides irrefutable evidence against violators who are brazenly sure that no evidence exists against them. Take the case of the man who voluntarily brought in an illegally killed game carcass. The man stated that he heard a series of shots, then saw several men running away. He found the buck dead, and brought it in.

Naturally, it was a newsworthy story and the newspapers played it for all it was worth, praising the good citizen for doing his duty. But the local game protector got suspicious. Each time the man told his story (and he told it often), it had different details. Apparently, the man was not sure of his facts; or maybe he just felt that a story so well received deserved embellishment. Be that as it may, the Game protector's suspicions were aroused and he removed the bullet from the carcass, borrowed the man's rifle, and brought both to Harrisburg to have tests run in the firearms laboratory. Our (Continued on page 49)



Finger on switch, fingers curled and mighty close to gun handle, modern basement hobbyist slaps leather.



Friends Bill McCarter, Sam Ellis (3rd) and Bill Wernet flank author W. B. Shaffer, 2nd from left, try to get the drop on camera. Quick draw club is now an established part of families' fun program.



Timer shifts, gun draws, wax bullet thuds against target, in novel safe home recreation.





Build Your Own Quick Draw Gear

FROM HOLSTERS TO TIMER, THIS CLUB'S QUICK DRAW SET-UP WAS A DO-IT-YOURSELF PROJECT

By W. B. SHAFFER

WHEN SOME OF THE TV heroes came out in print with their quick draw times, it provided the impetus that started at least one group of competitors into motion. I started practicing with my .38 Colt Officer's Model and wax bullets. A little of this and I thought I was getting pretty good, but I had no way to prove it short of shooting it out with somebody, which was not too appealing, so I decided to think up a better way.

Back in the late forties, I had built an electric clock for timing the speed of "fizz bottle" race cars, so why couldn't I build a draw timer? At least I could try, and try I did. With a little cobbling, the first set up was made and tried. The results were interesting but the whole thing would probably have been dropped if the final ingredient had not appeared at just this time. The final ingredient was competition. Fast draw, like most other things, is better when you share it.

Competition appeared in the form of a new employee at our plant who just happened to have the same interest as mine. During a coffee break one day, the fact was discovered and we were off to start a new sport—quick draw shooting "against the clock."

The first night's competition in my basement proved that the Single Six Ruger was no match for the double action Colt Officer's Model .38. Or maybe it was just that I'd had more practice . . . It also provided a clue that the old clock was probably not too accurate.

Subsequent shoots at the shop range and in the basement clearly showed the need for a better clock, better holsters, and more practice. Improvements were made and remade—mostly home-made—and now we think we have something to offer to other shooters: a story of how to build your own quick draw club and club equipment.

The prime ingredient from the club standpoint is, we believe, the



On toes like boxer, Sam Ellis shows cordination that quick draw develops.



Game room handsome as any Armstrong Cork ad serves Shaffer well as target range. Wax slugs don't harm woodwork, usually hit backstop.

Fancy rigs were hand-tooled by Shaffer, Sam Ellis for use in quick draw demonstrations they give. Author now makes QD timers for retail.



keen interest due to the very lively competition. As most shooters realize, target shooting is not a spectator sport and is usually not excitingly competitive until the final scoring. Quick draw, on the other hand, is exciting to spectators and shooters alike. A good fast sequence by one shooter sets the rest "champing at the bit" to get in their own shots in an attempt to become "Top gun." But pressure breeds haste, and haste breeds misses and fumbles—which add to the fun for all but the fumbler. Even with fumbles, there's no danger—not the way we do it.

With the set up we use, very little error can occur. Our electric clock starts when the shooter takes his finger from the start switch, and stops only when the target is hit. The "finger on switch" starting position presents a mental hazard,

but this can be minimized with practice and a little study. The shooter assumes his best stance, and the starting switch is adjusted to contact any point on his gun hand that he may prefer. Each shooter, by experimenting, can find the position which presents the least detriment to his performance. Usually our ground rules require that the shooter's hand must be 4 inches from his gun, but on special occasions we only require that he may not touch any part of the gun.

The target is usually placed about 12 or 15 feet away, and although this is fairly close, it demands fair accuracy to hit the 11"x14" target board. Our philosophy is that a good fast draw artist should be able to hit what he is shooting at, so we always shoot at a target. We use wax bullets only. Wax bullets are not too accurate, but are good enough at short range. Lock and flight time of these bullets has been measured by placing the hammer of a cocked gun against the switch and then shooting the target. As the hammer falls, the clock starts. It is stopped by bullet hitting



Pushing unprimed case into Parawax, Shaffer then seats normal primer in regular tool. Case has flash hole drilled out, should be kept separate from cases for full loads.

the target. Time is of the order of 1/100 second which is negligible.

It is absolutely imperative, in our opinion, that wax or other non-lethal bullets be used in quick draw work. We have found that some of our very fastest shots have been gotten off—in the holster. Even with wax, if your holster has no bottom to stop such shots, a deflector or a bottom should be installed to prevent a painful welt on the leg. To prove that the impact of a wax .38 or .22 might hurt, examine the dent it makes in a piece of white pine. We have never tried their effect on human meat, and do not intend to if it can be avoided.

For those who are not already familiar with loading of wax bullets, we offer the following. For the .38 and .45 we use cases that have been shot and which have the open end straight with no bell mouth crimp. The .38 primer flash hole is drilled larger with a number 34 drill. Originally No. 32 was used, but we believe it leaves too little surface for seating the primer. Any burr from the drilling is removed from the primer pocket. .45 cases are used as is. The cases are then primed with standard primers. No powder is used and the primer alone supplies all propelling force. The cases are then pressed into a block of household wax such as used in canning. The wax we use comes in a package of four pieces $\frac{5}{8}$ " thick, which is just right. Trade name is "Parawax," put out by Standard (Continued on page 38)

Gun of the Month



THE OLD • THE NEW • THE UNUSUAL



German sniper scope was mounted on non-recoil saddle to prevent socking eye of shooter. Big Mauser converted easily into light fun gun.

LUSCIOUS BUT LEGAL, LITTLE MAUSER PISTOL-CARBINE IS FUN SHOOTER AND WINS BETS



By JOHN W. BREADED, JR.

PAUL MAUSER, prior to World War I took a brief fling at the brush carbine field, but Georg Luger's little DWM carbine walked off with the big money in what proved to be a rather small, highly competitive market, leaving Mauser and the rest wondering who pulled the plug. So, after ten years of fruitless searching for an original, I capitulated and took the unethical but fun way out, by the simple expedient of making one.

I checked first with the local ATTD office and told them my plan, and they agreed not to cart me off to the Federal sneezer as long as I gave them Scouts' Honor that I would not have less than a foot and a half of rifled tube out in front of the bolt face. I then contacted Bill Washburn, a local gunsmith who has rebarreled enough Lugers and Mauser Militarys to make him an honorary member of the Board of Directors of both DWM and Mauser Werke. One week later he had shaved out a slim 18 1/4" barrel, chambered it for the 7.63mm Mauser pistol cartridge, and mounted it on my old pistol by sleeving the new barrel into the reamed-out stub of the old one.

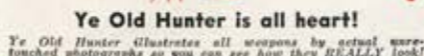
Silver soldered with such precision that it takes a panel of Seeing Eye dogs to find the spot where new and old metal meet, the new Washburn tube looked like a pea shooter so, instead of the original schnable type forestock, I wheezed and whittled through a Mannlicher styled front handle which protects the slender barrel admirably.

Having departed so radically from the original design at the front end, I saw no reason to adhere to Mauser's lines for the shoulder stock, but I did retain the method of attaching the stock to the frame, a simple dovetail fitting, secured with a machine set screw.

Slim 18 1/4" custom barrel on pistol-carbine is protected by hand checked wood forearm.



Stock and grip is retained to frame by dovetail scope mount block. Altered pistol is now legal; it is merely a 5 1/2 lb. takedown sporter.



Visitors to the National Rifle Association Convention in Washington, D. C. VISIT "Ye Old Hunter," only a few minutes away in historic Alexandria, Virginia (home of George Washington and Robert E. Lee) . . . WORLD'S GREATEST GUN STORE. Pay for your trip with bargains here . . . a once-a-year chance to LOAD UP without a cent freight charge. Some realize savings to pay for NEXT year's trip. Open day and night during convention time for your convenience. . . . Ye Old Hunter—a convention MUST!

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6.5MM ITALIAN IN CLIPS (M.C.)	\$ 6.00
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7.62x39 RUSSIAN SHORT (M.C.) (20 rds)	\$ 4.95
NOW 7.65 MANNLICHER PISTOL (M.C.)	\$ 7.50
7.65MM (.30) MAUSER (M.C.)	\$ 7.50
30 CAL. M1 CARBINE	\$ 5.00
.30-06 U.S. COMMERCIAL (M.C.)	\$ 7.50
U.S. .30 (.30-40 CALIBER) KRAG (M.C.)	\$ 5.50
CALIBER .303 BRITISH (M.C.)	\$ 7.50
.303 BRITISH SOFT POINT	\$14.75
8MM GERMAN MAUSER ISSUE (M.C.)	\$ 6.00
9MM LUGER (PARABELLUM) (M.C.)	\$ 5.00
9MM F.N. STEYR PISTOL (M.C.)	\$ 5.00
.42 COLT BERDAN RIFLE (M.C.)	\$10.00
.43 (11MM) REMINGTON (M.C.)	\$ 6.00
.45 (ACP) COLT AUTOMATIC (M.C.)	\$ 5.00

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All U.S. (Springfield Armory) Made.



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ALL MATCHING NUMBERS!

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Cal. 30-06



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All milled parts. All N.R.A. Very Good[®]- or Better

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Cal. .303



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Britain's best pistol. World renowned reliability Fires standard .38 S & W ctg. ONLY \$12.95 v.g., or \$15.95 excellent.



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REVOLVER**

Select shipment of improved .38 Webleys. These have both the single and double action design and shoot the standard .38 S&W. Only \$3.00 additional for one in NRA Excellent condition. An amazingly low price.



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the Guantanamo Buddha of the gun traders of the world, and new decade with the greatest rifle bargain ever found... of "The finest rifle ever made"... yes, tens of thousands of D.S., all in v. g. or better condition, all manufactured by M1 (no cheap contract jobs), all in the world's greatest cart-al at a price EVERYONE can afford... just a mere \$79.95. away those old Krags and rough Springfields you've been from others, and step up and enjoy the best of 'em all, the

great Garand, and blaze away with Ye Old Hunter's bargain .30-06 MC cartridges for only \$79.95. This is no worthless bag of reject mis-matched parts someone was afraid to assemble; this is no phoney "auction" to stick you with what others would not buy; this is no over-priced monster from the other side of the moon, but the REAL THING from Springfield Arsenal, in superb original condition GUARANTEED by Ye Old Hunter and with all milled parts and all numbers matching. Send today: the best bargain of the new decade! Order from this ad to insure prompt delivery!

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THE RIFLE THAT MUST BE ACTUALLY SEEN TO BE FULLY APPRECIATED.
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• Adjustable Open Sight • Commercial High Finish Blueing



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 This German made Mauser M91—Beautifully sporterized at the most reasonable price (\$27.95). The rifle that has EVERYTHING—including quality features NOT found on high priced. Originally manufactured by the famous German arms makers Ludwig Loewe and D.W.M., Berlin, during the great arms period when THE EMPHASIS WAS ON QUALITY and not on quantity at the lowest price imaginable. One of the finest one and with all milled parts. The M91 is stocked with only select European walnut. (Only obtainable today on a custom basis.) A sporter you can truly be proud to own today and only \$27.95... the greatest quality buy ever! \$5.00 if we carefully select a stock with outstanding grain beauty.)

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ONLY **\$9⁹⁵!**

A FANTASTIC BARGAIN

the entire family can enjoy. The perfect little .22 for all around shooting, and at what a steal price—only \$9.95 complete and detail. While away hours of practically costless shooting with it. Better order this very day to insure one in your household!

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Cal. 7.62 Russian



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(M91 Model pictured)

THE MOST AMAZING FIND OF OUR TIMES. Authentic Russian Infantry Rifles in both the rare Model 91 and the rare Model 91/30. YOUR CHOICE of either model only \$10.95, or both models for ONLY \$21.45 when ordered in pairs. Guaranteed complete, in good serviceable condition and devoid of all communist rust. A hazardous find that shattered the shooting world, and what mayhem for our competitors who tried to jockey Ye Old Hunter out of this cache. Thanks to an underground waterway, shooting is now yours in the popular 7.62 Caliber—available everywhere. Super rare quadrangular bayonets for either model only \$1.95. Insure yours with a prompt order!!

Near Mint! Remington Made .43 Caliber Saddle Carbines!

Cal. .43



Genuine Remington Rolling Block Carbines

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(Continued from page 18)

ment work and the men who engage in it on a professional basis.

Gen. Robert M. Ives, president of the law enforcement commission, is an infantry division commander who retired some months ago after 41 years of service. Gen. Ives has been shot at by much more effective ammunition than newspaper columns and letters to editors. His comment was: "The program was an attention getter."

By the time the fourth demonstration was given, the Houston School Board wanted to see what was going on, so on the night of May 25, at a regular meeting of the board, the program was given in the board room, and shown on television to an enormous TV audience. That night Gen. Ives commented: "The program had a strong and spontaneous acceptance."

As soon as Captain Hallmark introduced patrolman Reeves Jungkind, the shooting began. The demonstration included cutting the blaze off two candles with two shots, cutting a playing card in two pieces when it was turned edgewise, and splitting a lead bullet on the sharp blade of a hand ax so the split bullet broke two clay targets, one on either side of the ax.

Inspector Fultz gave a talk on officer training and the development of career of-

follow up, through their student councils and student bodies, to increase respect for firearms and for law and law enforcement officers. Nor are Houston police ignoring them. They feel that their work with the youngsters in firearms training is creating friendliness and better understanding between kids and cops—on both sides.

It was an impressive program to a vast TV audience. The climax came when Dr. McFarland announced that the program was so highly regarded by both educators and students that it would be repeated the next school year at Houston's 15 senior high and 25 junior high schools.

Moving north out of Texas, we find in Evansville, Indiana, Patrolman Eugene Carlile, a fast draw two-gun man who has not only won many shooting contests, but has been on a number of shows. Patrolmen Carlile's exhibitions have shown many youngsters that firearms are instruments to respect. He has also furnished much copy for news reporters and has been honored by sports cartoonists. His trick shots are numerous, but one never to be forgotten is a back shot over the left shoulder, with a ring for a sighting mirror. His shows delight the kids—and their parents. Marksmanship programs offer "something to do"—and that is good for kids, in Evansville and

titled *Winning Our Youth*. This covers the entire youth program. Of the Junior Rifle Club he says: "The purpose of this Club is to teach boys and girls how to handle and use firearms. Accredited and approved N.R.A. instructors supervise and instruct all classes of shooters, from beginners to those who have completed the prescribed course in shooting. Tournaments are held at intervals and trophies are awarded to winners. In addition to outdoor sunshine and exercise, the incentives provided keep the members on their toes to excel in marksmanship."

Another outstanding youth organization is the Junior Rifle Club sponsored by the Stratford, Connecticut, Police Athletic League. Starting with nothing, and reinforcing the "nothing" with work, sweat, and tears, made "something." This club was organized in August, 1951, under direction of then sergeant, now lieutenant Joseph R. Carten. To make sure that all instructors taught alike, a total of 14 instructors, all experienced in handling firearms, took a course of rifle instruction under Clarence McCubbin of Remington Arms Co. The city authorities offered the use of a town-owned gravel pit for a range. A notice in the newspapers quickly brought in 85 applicants, ranging in age from 12 to 19. Chief of Police, Patrick J. Flanagan was a bit worried, as he had no idea of what to expect. But the Chief, the Town Manager, and the Town Council were all present on opening day, and were so impressed that they have been behind the club 100 per cent since that time.

Setbacks and hardships have been plentiful. In two years, the club lost most of their instructors to the armed services. In 1954 they lost their range site, as the property was sold. But the new owners, Sikorsky Aircraft Co., provided a new location and this range was used for a year. Then construction work forced the club to move again, still on Sikorsky property.

This time the location was covered with tall trees. The kids pitched in and did some real land clearing. An earth backstop was bulldozed up. Then a flood hit and almost everything on the range washed out into the Housatonic River. They had to rebuild.

Lt. Carten has received numerous letters from former club members in the armed forces, telling him how thankful they are for the knowledge of firearms they had when entering the service. Carten says: "Every youngster is curious about firearms, and I believe it is far better to satisfy that curiosity by teaching the youngster to handle a firearm so he will respect it."

"Our rate of delinquency is one of the lowest if not the lowest in the state. As for delinquent acts, committed by any form of firearm or air rifle, they hardly exist. We have never had an accident in the club, nor has any member or former member ever been involved in any sort of firearms accident. The lessons they learned have stayed with them."

The lessons not only stayed; members of that club have covered themselves with honors. Some of their accomplishments are: State Prone Championship (Outdoors) continuously since 1953. Two members, Bruce Reynolds and Barbara Winton, combined to take the National 2 man Jr. anysight team championship, setting a national record of 800x800 with 60 X's. The club has sent a team to the National Matches at Camp

(Continued on page 57)



At summer camp operated by Kiwanis Club on Caddo Lake, La., parish police Captain Harold Terry gives shotgun and safety show, holds kids spellbound.

icers. Then came Gene Clements, brilliant honor student from Lamar High, who talked on student response. Gene's talk was a scorcher. Said Gene: "What of a youngster who has been taught it is all right to do a thing if you can get away with it? Teenagers regard law enforcement agencies as a joke. Prohibition destroyed respect for the law before we were born . . . Our generation does not respect law enforcement agencies; neither do our parents. But when we have a burglary, or some other crime that directly affects us, we yell for help . . . We have paid for our sophisticated attitude, and I think the price has been too high." These were strong words, but words that neither parents nor law enforcement officers can afford to ignore.

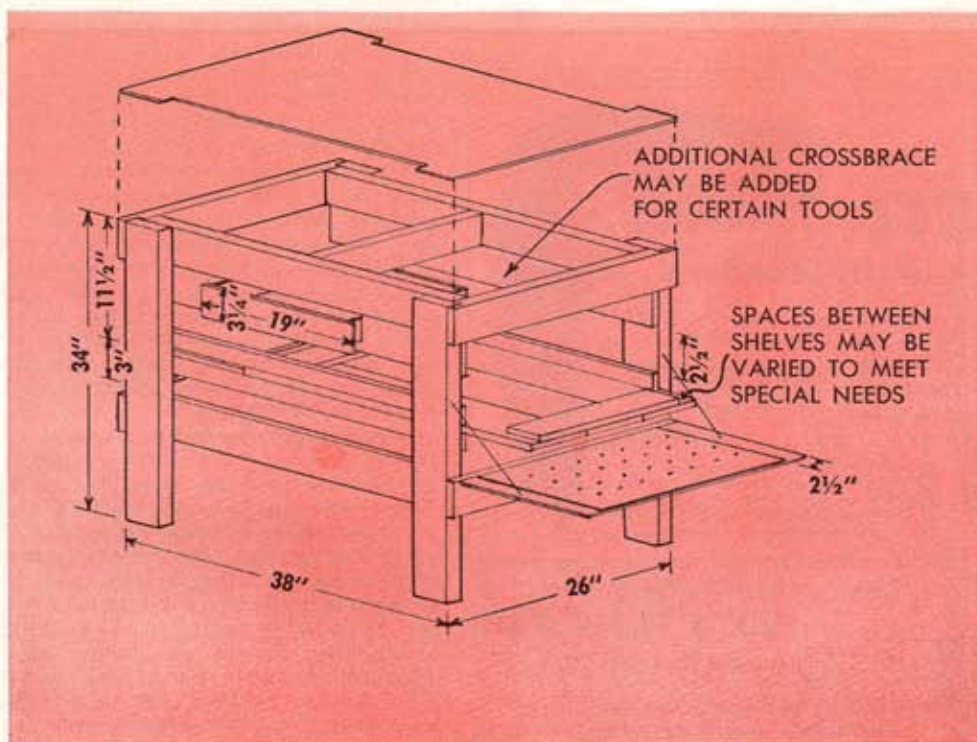
Dr. John McFarland, Houston School Superintendent did not ignore them. He announced that Houston high schools would

everywhere else.

Another youth training program is headed by Sheriff J. H. Flournoy, Caddo Parish, Shreveport, Louisiana. Sheriff Flournoy's work with youth has not been something of passing interest. It covers many years of devoted service. His program includes a Junior Rifle Program, with Captain Harold M. Terry as full-time firearms instructor. Capt. Terry is an expert shot and does trick shooting.

About 200 boys and girls are enrolled. In summer, the Junior Rifle Program begins at 9:30 A.M. and continues to 11:30; begins again at 1:30 P.M. and continues to 3:30, five days per week. No shooting on Saturdays or Sundays, and no shooting on Wednesday afternoons. During school time, shooting is from 9:30 to 11:30 on Saturdays, unless it rains.

Sheriff Flournoy has written a booklet en-



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A sliding tray provides storage space for your powder cannisters, loading blocks, other loose equipment. A drawer is added for readily accessible storage of spare dies and frequently needed tools. Pegboard ends, with fasteners obtainable at any hardware store, make it easy to hang up remaining tools and accessories.

My own table is built to fit into a closet and is equipped with castors so that it can be rolled in and closed out of sight when not in use. Castors are available with locking levers which prevent table from unwanted movement during loading operations. The table is heavy enough to permit use of most up-stroke as well as down-stroke presses, but where needed, eyelets can be set in table legs and screen-door hooks located in the floor so that the table is held firm against even the heaviest lift. Dimensions can be altered, of course, to fit conditions. Finish is optional.

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(See also pages 4, 39, 40, 43, 49)

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BUILD YOUR OWN QUICK DRAW GEAR

(Continued from page 32)

Oil. The wax can be warmed slightly in warm water, dried off, and laid on a flat surface. The cases are pushed into the wax until they cut clear through. They are then pulled out and are ready to shoot.

The .22 wax loads are a little harder to come by. We have written most of the ammunition manufacturers and they refuse to supply primed .22 cases. To get primed cases, it has been necessary for us to pull the slugs from Long Rifle ammunition and dump out the powder. The cases are then loaded as outlined above. Here, however, we remelt the wax in a pie pan to make a cake $\frac{1}{2}$ " thick instead of the standard $\frac{3}{8}$ ", as it fits better in the .22 cases.

Our "Start" switch or "Finger" switch is mounted on a bracket which may be adjusted up or down on a rod to fit the various shooters. As may be seen from the illustrations, the rod is mounted in a piece of wood that can be clamped on a chair or stool or something to accommodate the shooter. The target is mounted on a piece of masonite 11"x14". This target board is in turn mounted on a piece of $\frac{1}{2}$ " plywood 24"x30". The masonite target board sets on two pivots so that it may move easily. It is held in place by a switch contact at the top edge. The switch is set to close when the target board is pulled forward. This contact arrangement provides the stop switch for the clock circuit. When the target board is hit it falls back about $\frac{1}{2}$ " and opens the contacts stopping the clock. Usually the wax doesn't stick on the plywood. Occasionally our contacts get shot out of adjustment, but they can be repaired easily with a pair of long nose pliers. A string is attached to the target board so the shooter can reset it from his shooting position.

The clock is made up in a metal case to enclose the electrical parts, and is provided with a large hand and dial on the front. One rotation of the hand represents one second, and readings to less than .01 second may be made easily. Plugs for target, light, and switch wires and the 110 V AC cord are brought out the rear.

In the early days, we had at least two

shooters who could hit .20 seconds fairly regularly, shooting double action. One used a Colt .357 Magnum, the other a .38 Colt Officers Model. Times in the order of .30 second were fairly common with the Single Action. After spending much time and wax, the above times have improved considerably.

We have a couple of men who can get off legal shots and hit the target in .14 second with the Single Action. The double actions have taken a back seat, but the author can still hit .16 to .18 with fair consistency. Our thinking has changed from the early days as it appears that the Single Action in good hands is a little faster than the double. It is true that we have done a more thorough job on our Single Action holsters so some doubt may still exist.

In addition to shooting starting with the shooter's finger on the switch, we experimented with draw and shoot at a signal. Lights and sounds have been tried. We hung a light just above the target and wired it to go on with the clock. The finger switch was then turned on by an assistant, and the shooter went into action when the light went on. An equivalent was found in letting the shooter listen for the snap of the switch when an assistant released it. This was found to give the same average times as when using the light. We found that our time usually ran about two tenths (.20) second longer than when we released the switch ourselves.

This proves conclusively to us that he who starts to draw first will get off the first shot, about the time the other party is getting started. This assumes, of course, that they were fairly evenly matched and that the second man did not anticipate the action.

A fairly consistent shooter can check his reaction time directly by averaging his two performances. Shoot a string with the "finger on switch" technique, and then shoot a string by watching for the light as operated by an assistant. The difference between the two averaged times should be a fairly accurate measure of reaction time. Also reaction time may be measured directly on our rig by holding a cocked gun on target and waiting for the light. When the light goes on, pull the trigger and read the time. In our group, reaction time ranges from .19 to .23 second.

After a session with wax bullets, the guns are well caked with wax. This does no harm, but they are always cleaned so that no lead bullets are accidentally shot through a waxed-up gun. We clean our guns with a nylon brush and then finally a patch or two soaked in Hoppes Solvent.

One problem we have not yet solved is how to get a "Bang" when shooting these low pressure loads. Wax bullets sure are quiet after live ammunition. This is a boon if you like to shoot in the basement after the kids have gone to sleep, but there are times when noise would add to the fun.

As may be noted, we use some target pistols for our shooting. To protect front sights, we have in some cases made special holsters with protective channels; but we also cover the sights with masking tape. A lot of blue gets rubbed off during these maneuvers, but who cares as long as we have fun.

We have made special holsters with inset wooden channels to protect front sights and ramps to protect rear sights. Various cutouts, shapes, props, etc., have been devised for the different guns and shooters. No illegal

spring, swivel, or cut-away types are used by our group. Our biggest problem at first was that some of our rigs didn't work very smoothly. As a result, two of us attended a leather craft class at night school to learn the finer points. Our later equipment looks very professional.

We realize that many variations can be made to our procedures, and we will welcome correspondence. Address W. B. Shaffer, 1761 Hampton Road, Grosse Point 36, Michigan.

When people drop in at my house, or Sam Ellis's, or Bill McCarter's, sooner or later quick draw shooting comes up for discussion. After a bit of demonstration, it nearly always follows that the guests have a try. A lot of people who start out by laughing at this sport are fascinated by it once they have tried it. With beginners, we spread some sort

of mat or cushion directly in front of the shooter, because when things get exciting it is real easy to drop the gun. Some attention should be paid also to what is in range, as small fragile articles can be broken by the wax bullets. Our only casualty so far is one 75 watt light bulb. My fluorescent lights make a big "bong" when hit, but so far have not broken.

We have taken movies and still pictures of our activities, and have had very interesting results. A good quick draw is hard to see in the movies, as it only spans 3 or 4 frames. To slow the action down, we have taken slow motion shots at 64 frames per second with 8 mm equipment. Even these are a little hard to study, due to the small size. Snap shots must be taken at not less than 1/200 of a second.

THE GOLIATH OF THE BIG DOUBLES

(Continued from page 26)

to say?" Vic cut in, "with a .375?" I nodded assent.

"But this is Africa, George," he replied gently, laying aside the Winchester. "Perhaps we'd better look over what guns I've got racked in the den. Maybe you'll see something there that fits your shoulder, and the game you're after." Silently I followed as Vic showed the way to his arsenal. Racked one after another was a phalanx of heavies, .475s, a lot of them, and almost as many .500s.

I'd never seen rifles so big, nor so powerful. Not many Statesiders had. Except for a rare custom job or until very recently when Winchester announced its .458 Model 70, the U.S.'s first true elephant gun, .375s were the biggest production-liner's stamped "made-in-America."

I picked up a .475 Holland & Holland. I liked the feel of it, liked the way it shouldered and nested. The Holland & Holland in hand, I was turning away when at the rack's far end something loomed unbelievably large. I blinked and looked again.

"What's that!" I blurted.

Vic took up the monster rifle, felt lovingly of its side-by-side barrels, patted its walnut stock and said simply,

"That, George, is my insurance policy... and yours."

For an hour we luxuriated on Vic's veranda, gun-talking, while Vic slumped in a big, overstuffed chair, the monster elephant rifle steadied across his knees. Those two, Vic and his .600, seemed compatible as a couple celebrating their 25th wedding anniversary. And, as a matter of fact, they were.

The .600, Vic explained, was a real African gun, a big shot. It had been hand-crafted in England, built around 1906, more than 42 years before. He'd owned her going on 25 years. Still, when I took the creature up, broke her, and squinted down the barrels, they shone like burnished silver. The rifling was perfect, the care Vic had given her that exacting.

Like most English-made big-game rifles, she carried her barrels side-by-side. Vic and his fellow white hunters knew the value of twin barrels. They'd learned first-hand that a split second can make the difference, sometimes between life and death. When a bull tusker's charging, even the handiest of men is apt to fumble, reloading. With the .600, you got off the first shot and had another, just as smashing, just as heavy, ready to go.

The old rifle was beautifully stocked, the

walnut hand-rubbed and as unmarred as the day she was turned. The breech was delicately engraved. And she was fitted with open iron sights, preferred by Africa's craftiest big-game trackers.

"Never seen a .600, have you?" Vic mused. I admitted I hadn't.

"Well," he said, "they're custom-built for Africa, and for India, too, the last lingering places of tough-hid beasts. Holland and Holland made this one. It would cost you \$1800, anyway, to duplicate today. And, of course, they're still turning them out... in England and elsewhere on the Continent."

"It's big," I conceded, wondering a little what else it really was good for.

"About the biggest thing shooting," Vic nodded. "But size isn't the important thing... nor the 16 pounds the .600 weighs. What counts is her firepower, her hitting and hurting power—how she penetrates even the roughest, toughest of elephant hides.

"It's like this," Vic mused. "No offense meant, mind you. But you Yanks come over here armed with .375s. A good gun, plenty big, plenty penetrating against your biggest

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"Won't the .375 do it?" I demanded.

"Yes, of course it will," Vic conceded.

"If you score a vital hit."

"And if you don't?"

Vic shrugged. "A steel-jacketed .375 might turn them, but not often will it sledge them to their knees, I mean, bring them down thru sheer impact alone. The .600 will. Hell, you don't even have to score a vital spot. Come close, that's enough."

At home, Vic conceded, the average American after big stuff may be a top marksman when it comes to elk, moose, grizzly, and even Kodiak. He's cool and plenty collected, drawing bead on North America's toughest. But in Africa? In Africa even the most veteran of big game guys seethe with raw fear as they squeeze off a shot. And it's fear before a charging African rhino, elephant or buffalo that tips the scales against the Yank-in-Africa, and his .375. Fear can spoil the best shot, shy a slug inches away from a really killing spot. That leaves the Yank like a fight manager who's got a stable of boxers with stiff left jabs, when what he needs for the championship is just one guy with a knock-out right. The .375 jabs. The .475 wallops hard. But the .600 KOs.

That's why, from the Congo to Kenya, white hunters like Vic Bentley have for years stood by, with a .600 loaded and ready, while their clients worked a .375 or maybe a .475. Eight times in ten the client scored with his lightweight jab. But for those other two times, the guide stepped in for the knock-out, with his .600.

I knew the .600 was a giant among rifles, but the statistics really told the story. The .600, loaded with the .600 British-made Nitro Express, had three times the weight and twice the power of a .375. The .600 bullet weighed an unbelievable 900 grains, over two ounces. The .375? But 300 grains. So Africa's "cannon," its stalwart elephant gun, packed a bullet three times heavier than its biggest American cousin that I had brought along for African hunting. Vic's Holland & Holland .600 pushed that 900 gr. bullet along at 1850 feet per second, its muzzle energy reaching some 6840 ft-lbs. The .375's muzzle energy approximated 3630 ft-lbs, only a little more than half the .600's. And it's power, hitting force and bullet weight, that cold-decks

Africa's biggest. Not even Winchester's newest and heftiest, the .458, has, or even claims to have, the stopping power of Africa's "Big Bertha." For, though the 500-510 gr. Winchester bullet travels faster, it develops only about 5000 ft-lbs of muzzle energy. And that's 1840 ft-lbs short of the .600's three long tons.

Ironically the African .600, magnificent as it is, ranks among the least fired guns in the world. Like an insurance policy, it's only occasionally called upon for a cash dividend. For one thing, the .600's got the kick of a jackass with the bellyache. It's not the shoulder gun a hunter would choose, except in the tight spots. Besides, like a lot of "Big Berthas," it's not designed for plinking, nor for long range or constant work. Even if it were, the nearly \$1.25 it costs for a single cartridge makes the shooting something for corporate executives in the 90 per cent tax bracket.

And though Winchester's .485 bids for the African market—priced as it is around \$285—it will be a long time before old veldt hands lay aside their double-barrelled .600s, even when they are price-tagged \$800 and up, mostly "up," in favor of the single-barrelled American .458. The way professional hunters look at it, as Vic said around our bush-country fire, "That first barrel is my insurance policy. The second, my annuity. I don't intend cashing in either."

One day near Kenya's sluggish, croc-festered Tana river, Vic handed over the .600 with the suggestion I target it on a nearby acacia.

"You first," I retorted.

He smiled and very carefully loaded the monster. Vic was a six-footer, a solid package of a man, his 200 pounds tough and wiry. Still he strained, shouldering the rifle. And when he sighted-in on target, I noticed how he braced, legs wide, his left arm tensed, as if anticipating the recoil. When it came, Vic rocked backwards as if sledged. He was rubbing his shoulder as he reloaded.

"One shot at a time," he cautioned, handing over the gun. "I've never heard of anyone firing both barrels at once, and I never saw a guy alive who claimed he had."

For fully five minutes Vic briefed me on firing the .600. Hold it wrong, he warned, and you might bust your collar bone. The right way was to nestle the stock very tightly into the shoulder, the recoil pad firm and solid. But the real trick lay with the left hand. You grasped well up on the forestock, and used your left arm pushing forward, as a kind of shock absorber.

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Worked correctly, left arm acting like a steel spring, and you could overcompensate for recoil. By anticipating it, you could keep from being shoved sprawling into the dirt.

I raised the monster to my shoulder. That six pound difference between it and my .375 was tremendous. Very deliberately I braced spread-legged, jammed the recoil pad tight into my shoulder, gripped far up the fore-stock, sighted... and squeezed off a shot.

Something tore at my shoulder. My left arm seemed to come unhinged. I rocked backwards, as if clobbered by an iron-solid fist. But worst was the blast. It was like a cannon loaded with dynamite. The recoil moved me back, still spread-legged and tense, fully four feet. Simply picked me up and shoved. But I didn't go down. As the dust cleared, I heard Vic's throaty chuckle.

"Not a gun you'd shoot from prone," he laughed, "unless you didn't care about losing your front dentures."

What amazed me most was the piece's accuracy. At 100 feet it was deadly. That acacia seemed to fly apart, a fist-sized hole gouged at its center. Vic assured me that close and up to 300 feet, the 600's intended maximum range, she'd stop anything short of a Sherman tank. I believe it.

I won't say the recoil was less than I'd expected, only that it was different. The .375 slaps hard. The .600 pushes, a tremendous shove, admittedly, but it has none of the .375's sharpness.

It was a week later that Vic got around to the story of his .600's unbelievable history, and how he'd come to own the monster. By then I was convinced that there existed in the world no shoulderable rifle more powerful, nor more deadly than the .600. But Vic's wasn't just another handcrafted Big Bertha. It had a history, an heroic lineage.

The story began in Kenya. The year was 1906, a decade when the sun had not yet set on the British Empire, and when her colonial officers were continent-builders and old-school tough. And none was crustier, nor more big-game minded than the colonel who early in February, 1906, outfitted a safari bound for Kenya's Northern Frontier.

For weeks the colonel urged his retinue deeper into elephant country, the scouts ahead, the porters behind, the gun boys close at hand. It was toward the third week that they saw the tracks, crossed the spoor of a tremendous bull. To the colonel's trackers, the trail was autobiographical: it was a bull, immense, and likely he carried 100 pounds of ivory in each tusk.

Toward nightfall they spotted the mammoth, feeding quietly among thick thorn bush and acacia. The colonel motioned a halt. With a single scout, he stalked upwind to within 50 yards of the giant. He aimed his .450-3 1/4 nitro express elephant rifle carefully, beaded for a killing shot midway between eye and ear. He fired—the bullets slamming home perfectly. But their impact didn't even stagger the beast. Before the Britisher could reload, the monster was upon him. Bellowing rage, he curled his trunk around the Britisher, hurled him like a projectile high into a big-girthed acacia. The colonel clung desperately for an hour to his high sanctuary, his collar bone snapped, four ribs splintered, while the bull raged below. With nightfall, the beast stalked into the thorns, and the colonel's boys took courage and returned. Some weeks later the Britisher, mortally hurt, lay in a Nairobi hospital. The colonel knew he'd never heal completely, for the shattered ribs had torn his lungs. He had put a year's lease on life, perhaps less.

Still, it was failure that racked his mind as he lay agonizingly abed, every breath a retching pain. They'd been good shots... and true. But they hadn't been enough. There was, the colonel knew, one Empire gunsmith capable of a weapon big and powerful enough to kill the tusked brute. And he swore he would seek out the smithy, commission such a weapon, and return to kill his killer.

Weeks later the colonel left the hospital, heading for Kenya's port, Mombasa, and the first ship for England. Before embarking, he called together his trackers, ordered them to return to the Northern Frontier, track the wounded goliath, keep him under surveillance night and day until his return from England.

The colonel reached London six weeks later. Another 24 hours and he was in Holland and Holland's offices.

"Build me an elephant killer," he demanded, "your biggest, hardest-hitting rifle."

"It'll be a .600," the gunsmiths told him. "Double-barrelled, and with the impact of a pile driver. Find your elephant, and we'll guarantee a kill."

"I'll wait," snapped the colonel. And he did, brooding in London's pubs through 30 days and nights while Holland and Holland custom-crafted the weapon, fitted it to his shoulder, proof-tested it, and declared their work finished.

A week later the colonel was aboard ship, bound for Kenya.

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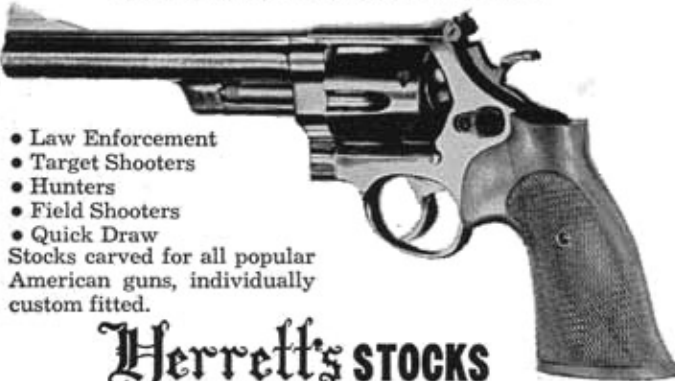


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In another eight weeks he was on Northern Frontier. His boys had been faithful. Knowing the ways of elephants like the habits of their own brothers, they found the creature not far from where he'd treed the colonel. For three long months they'd stalked him. And now, when the colonel arrived, his .600 in hand, they were ready.

It took but six hours to track the bull, but 30 minutes to draw within range, but a single shot to send him to his knees, the life sledged out of him, just as the London gunsmiths had promised.

Appeased, the colonel returned triumphantly to Nairobi. He never fired the killer rifle again. Within 30 days he was dead of the wounds inflicted in that first encounter. During the next decade, the .600 passed through a dozen hands, until Vic Bentley saw it and bought it.

Never in the history of big-game's big guns had a rifle been more purposefully, nor more valiantly come by. The colonel had made a far longer, far costlier safari to lay hands upon his gun than upon his quarry.

"A killer," Vic mused, the .600 cradled in his lap, "the meanest, surest shoulder gun in all the world..."

Yet, though he had brought that .600 to firing position only a score of times, upon every shot he'd wagered his life, and the life of a client.

It was a year, or perhaps two, after that 1948 safari of mine, that Vic passed to the resting place of Kenya's great white hunters.

His heroic .600? Likely it's in the hands of another safari chief, its thunderous discharge and herculean impact backstopping guys who venture after Africa's biggest with rifles no heftier than a .375.

THE .30 BELTED NEWTON

(Continued from page 27)

brought out, at one time or another, a series of cartridges bearing his own name and running from .22 to .35 calibre. There were the .22 Newton, the .256 Newton, the .280 Newton, the .30 Newton, the .33 Newton, and the .35 Newton. Only the .256, the .30, and the .35 ever got into any kind of production. The .256 was the most popular and was based upon the .30-06 case shortened to 2.44 inches and necked to take .264 bullets. A velocity of 3100 ft. secs. was claimed with a 123 grain bullet, and it was represented as being a far better killer than the .30-06 load with the 150 grain bullet at 2700 ft. secs.

The larger Newton calibres were made on a bigger case. I am not sure of the dimensions of the very rare .280, but I believe I am correct in saying that the .30, .33 and .35 were made on the same, large case, 2.52 inches long, .522" thick just ahead of the extractor groove, and .497 inches thick just behind the cone or shoulder. Many a middle-aged rifleman has thought longingly and nostalgically of the great .30's and .35's which were outstanding in their day even with the powders then available, and which are far more so today with our slow-burning propellants.

These two loads never attained the popularity they deserved, for several reasons. First, they were way ahead of 1915 thinking and experience. Second, they were offered only in bolt action rifles and, in those days, people did not think of bolt guns as hunting rifles. Third, the Newton rifle was often of

(Continued on page 44)

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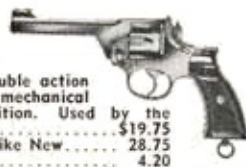
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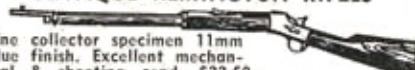
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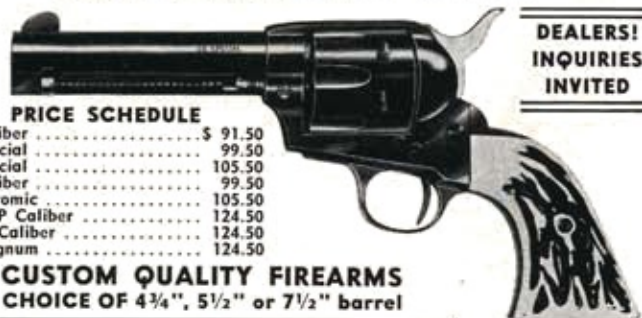
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(Continued from page 42)

indifferent workmanship; and, finally, the rifles were far, far too light for the power and recoil these two cartridges developed. Newton made the .30 and .35 rifles at a weight of about seven and one-half pounds and, considering that the .30 produced nearly 3500 ft. lbs. of muzzle energy and the .35 around 5000, shooting the former must have been unpleasant, and the latter, murderous. British cordite rifles in the .450 to .476 class produce about 5000 ft. lbs. of muzzle energy, weigh ten pounds plus, and are rough enough even at that weight. So the .30 and .35 Newtons never achieved great popularity. **BUT**, the cartridges were excellent in the early nineteen hundreds, and are far, far better now, thanks to modern powders.

Since Newton stopped making rifles, certain gunsmiths made rifles for both the .30 and the .35 loads as well as for the .256 and a variety of wildcats based on the original Newton case, all of which worked out reasonably well. However, just about the time that we were finding out about slow-burning powders and what they could do in the big Newton case, Western decided there wasn't much in it for them and went out of production of the Newton cartridges and brass. As a result, they have been gradually fading from the picture.

American gun nuts, however, are both stubborn and persevering, and it did not take them too long to discover that a close facsimile of Newton brass could be made from the Holland & Holland Magnum case, the main difference being the fact that said H. & H. brass was belted. Far from being a disadvantage, this factor materially facilitated the headspace problem, in that considerable variation could creep in to the shoulder angle and position without in any way changing headspace in such a way that the rifle might become dangerous. True, you might not be

able to close the bolt if the shoulder were set too far forward, but the important thing is that with a belted case it is almost impossible, granted decent gunsmithing, to have too much headspace.

Originally, what has become known as the Belted Newton case was formed from either .300 or .375 H. & H. brass, shortened and necked to the desired calibre and finally fire-formed to poach it out to the fat, Newton configuration. The results were thoroughly satisfactory, but it was quite a lot of work and meant that you could never take out after some dangerous beast with brand new, unfired ammunition. Some people seem to prefer new cases although, personally, the question is moot. I have never had a hand-load misfire, so I am probably a bad judge.

In any case, what is important is that now one can have .30 Belted Newton brass simply by running .338 Winchester Magnum cases through a resizing die once, period, end of production. Fred Huntington of R. C. B. S. in Oroville, Calif. will ream most bolt action .30-06's for less than \$20, and furnish a set of dies for \$13.50. So for less than \$35 you can become a .30 Belted Newton owner and operator; and this is quite an operation.

Consider, please, the arithmetic:

	150 gr.	180 gr.
M.V. M.E.	M.V. M.E.	M.V. M.E.
.30 Belted Newton	3550 4200	3291 4330
.300 H. & H. Mag.	3190 3390	2920 3400
.30-06 Springfield	2970 2930	2700 2910
	200 gr.	220 gr.
M.V. M.E.	M.V. M.E.	M.V. M.E.
.30 Belted Newton	3044 4130	2745 3680
.300 H. & H. Mag.		2620 3350
.30-06 Springfield		2410 2830

The figures for the .30 Belted Newton are taken from Huntington's chronograph reports on tests run in a Model 70 Winchester with a barrel length of 25 1/4 inches. The other figures are taken from factory ballistic tables.

My rifle is a rechambered .30-06 Griffin & Howe built around a Winchester Model 70 action, with a 22 inch barrel. In the Winchester factory at New Haven, this rifle recorded 3165 ft. secs. MV with 180 grain Nosler bullets, for a muzzle energy of 4004 ft. lbs. This would indicate a loss of about 39 ft. secs. for each inch of barrel cut off. Accuracy in my rifle is minute and a half.

I prefer not to give exact information as to the charges used in these tests, since I

believe that such recommendations should come from the gunsmith doing the rechambering work. Reamers may vary slightly in their dimensions; barrels may be of slightly different diameter; and components may not be the same as used in my tests. I shall only say that du Pont 4350 powder was used in my tests at the Winchester factory. Brass was necked-down Winchester .338 Magnum, primers were Winchester 120, and bullets were, as stated, 180 grain Nosler. I can further state that the appearance of the primers was normal, that no extraction difficulties were encountered and, finally, that the heads of the fired cases were measured and no enlargement was found.

Considering that we have a very nearly adequate choice of commercial calibres for almost any given purpose, one may well ask what the point is in cluttering things up with another wildcat. There are a number of answers for the .30 Belted Newton. In the first place, it is a very tame wildcat in the sense that it is no more difficult to load than it is to reload a factory number. Second, if we can assume that there is a demand for the .300 H. & H. Magnum and the .300 Weatherby, we must also concede a potential demand for a cartridge of similar characteristics providing said cartridge can be shown to have certain advantages. Stated as briefly as possible, the .30 Belted Newton is more powerful than the .300 H. & H. Magnum by a very considerable margin. Because of the configuration of the case it should burn its powder more efficiently than the .300 H. & H. and result in longer barrel life, granted similar steel. As to the .300 Weatherby, the .30 Belted Newton has the advantage of permitting a relatively short action and short bolt throw. Its ballistics are very similar to the factory loaded .300 Weatherby and, being less over bore capacity, it achieves its performance with less powder and, hence, less barrel wear. Finally, it is a very cheap conversion, since only the chamber and bolt face need altering in a .30-06 bolt action.

Perhaps my own personal reasons for this conversion might be of interest. One evening I was looking at my gun rack. On it were three Griffin & Howe rifles: a .458, a .30-06, and a .270. I suddenly found myself wondering just why I wanted two rifles with such similar characteristics as the .30-06 and the .270. I did not want to invest in a new rifle, but this conversion seemed reasonable and desirable. I consider the .30 Belted Newton a far better African "plains rifle" than the .270, since the latter is a little on the light side for eland, greater kudu, sable, and zebra. I should also prefer the .30 Belted Newton for moose, grizzly, and brown bear.

The .30 Belted Newton is an extremely versatile load, since it can be loaded with all .308 bullets from 110 grains to the 250 grain bullet as made by Fred Barnes. In the accompanying photograph are illustrated four of the many possibilities, cartridges loaded with the 220 grain steel jacketed Hornady, the 200 grain Speer, the 180 grain Nosler, and a 180 grain gas check. I may be mistaken, but I consider the 150 grain load somewhat of a contradiction in this rifle. If the animal can be killed with the 150 grain better than with the 180 or 200 grain bullets, then the rifle is probably needlessly powerful. On the other hand, for those wanting an all-round rifle, the 150 grain offers interest-possibilities at maximum or somewhat less than maximum velocities. It is quite possible

SIGHTS, SCOPES, MOUNTS

(See also Cover 4, pages 9, 15, 61)

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to duplicate .30-06 velocities with any weight of bullet. A 150 grain .30 at around 3000 ft. secs. has always done right well on deer and antelope. Such a load in this rifle would save powder and the recoil would be appreciably less. It would also be easier on the barrel.

For white-tail deer in heavy woods, a 220 grain .30-40 Krag bullet at 2100 ft. secs. would undoubtedly be far better than a faster moving spitzer, since it would buck brush better.

The 120 grain cast bullet at 1400 ft. secs. should make a nice turkey load, and should be satisfactory also on grouse.

Before concluding, may I repeat that the

WRITERS HONOR GUNS COLUMNIST

Dick Miller was elected president of the Great Lakes Outdoor Writers Association, and also honored by the Associations individual award for noteworthy contributions for the advancement, preservation and conservation of our natural resources. In addition to his GUNS column, Miller is a Sportsman's Service Bureau field man.

PULL!

(Continued from page 6)

hear from them that one day is Ladies Day, the picture will be complete.)

Official opening event of the Micro Trap Range was a 500-target ATA-registered tournament held December 12 and 13. 5495 targets were thrown during the opening two-day event. Major E. S. Throckmorton of Ft. Bliss, Texas, won the opening 16-yard event, with a score of 97. Major Throckmorton and D. W. Conway of Clint, Texas, tied in the handicap race, which could not be shot off because of darkness. Owen Leeper of Visalia, Calif., was runner-up in the Handicap event. Larry Bardon of Albuquerque copped the doubles, with Bud Axline, also of Albuquerque, the runner-up. High pro was Sid Beath of Las Cruces, with a perfect century in the 16-yard race.

I like the announcement of the Micro Trap Range's opening shoot. It sets the tone, very well, I think. Here's how it read:

"Welcome to the opening of the Micro Trap Range. To our knowledge, this is the only privately owned and operated range in the Southwest. It was built for your enjoyment, and we hope you make use of it often.

"Our future plans are enthusiastic ones. Early in the Spring we will start night shoots and hope to form five-man teams for competitive league shooting. The fixtures for illuminating two traps are on order now. As soon as possible, construction will start on a club house and skeet range.

"If there is anything we can do to make your visit here more enjoyable, just let us know. There will be a luncheon Saturday for the ladies at LaPosta, in Old Mesilla, as our guests. Please contact Kitty Tellyer, your hostess, by 11:30, and let her know if you can attend. Transportation will be furnished from the range and will leave at 12:30. "GOOD SHOOTING & COME BACK SOON!"

"Pardner Tellyer Sid Beath"

Pardner and Sid, you are off in the right direction. Our best wishes and congratulations go out to you. Your club may be new, but the fine opening program you put together can be a model for older clubs. And be sure to let this column know if you decide to test Gormley's ideas on gun club operation.

main advantage of this cartridge is the ease with which it may now be made. There have been many fine .30 Short Magnums around for years, many of which can duplicate the performance of this one. Trouble was, they were hard to make cases for, and a lot of us lazy characters were disinterested for that reason. No such excuse now that we have .338 Winchester brass.

The .30 Belted Newton could be called by many names. It might be called the .338-300 Nitro Express in England. We might call it the .30 Something Short Magnum, the .308 Magnum, or even the .30-70. I prefer to go along with Fred Huntington and call it the .30 Belted Newton.

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GUNS MAKE THE LAW IN "NEW" CHINA

(Continued from page 21)

are his second line firepower—some M1s left over from U.S. aid programs to General Chiang when he was on the mainland. Among the more exotic guns in use are Chinese-made Thompsons—identical to the US type and well made on American equipment, but fully stamped in Chinese characters and with big serial numbers stamped across the top of the receiver where they are visible when the guns are racked.

Pistols carried by the stalwart 600 are by no means as varied as past productions from the East might lead one to suspect. Chinese back-country armors for 50 years have been turning out a weird variety of "imitation" pistols, copying the Brownings, Mausers, and others. But these are always handmade, often of old railroad iron, irregular in functioning. Some types are positively dangerous. These may fire powerful cartridges with a happy irresponsibility on the part of the designer about the shooter meeting his ancestors, for most have no breech locking design at all. Wong Hon prefers standard brands. Prized are a pair of Mauser Model 1932 "schnell feuer" pistols, detachable stocks and detachable 20-shot 7.63 mm magazines, with full-auto selector switches. Hong Kong is full of this caliber ammunition through normal commercial sources, it having been popular in the east for half a century.

Increasing in use are 9 mm pistols. The Chinese Republic in the 1940s placed a large order for 9 mm Browning Hi Power pistols with the John Inglis Co. of Toronto, who

also made Bren guns and general armaments for the Canadian and British governments. The Chinese Brownings are of two models, with the hollow wood holster-stock similar to the Mauser, and the regular model with fixed rear sight. Both are parkerized. Wong Hon also has pre-war Brownings, with the flat wood stock on which the leather holster is riveted. These are not fully automatic, but do give the subordinate commanders of the 600 a light "carbine" without making them carry too much iron. When one's business may consist of carrying smuggled bales of contraband, it is not good to be burdened down with too many arms.

A few German Bergmann 9 mm burp guns, vintage 1918-30, are also in use by the smugglers. The basic rifle is of course the Jap long 7.7 Arisaka Type 38, discarded by the breakdown of Pan Asia.

Some of the men carry Lend Lease Chiang Kai Chek .45 U.S. auto pistols, Colt type but some made by Ithaca or Remington Rand. One lanky squad leader owns a battered 9 mm Luger, its grips held on by rubber bands. Wong Hon himself and his youthful teen-age bodyguards prefer .38 Special Smith & Wesson M & P revolvers. The kids carry them in common holsters slung on their trouser belts, while Wong Hon carries his in a not very speedy style of 1920-ish shoulder holster, more to allow him to sit comfortably at a desk to perform administrative duties than to give him any edge on the "drop."

Supplying ammo for these guns is no problem, with the exception of the 7.7 Jap, and even that is being eased now that Japanese firms are again producing the cartridge. The other calibers—7.63 Mauser pistol, .38 Special, 9 mm Parabellum, .45 Auto, 8 mm Mauser rifle and .30 Carbine, can all be supplied in the brisk second-hand and surplus market that flourishes off the junks and sampans in Hong Kong or Macao's crowded harbors. Even bazookas bring a good price—perhaps as much as a thousand dollars—and Wong Hon has been collecting relic bazooka shells with some thought of having his armorer sort them out and put them into shooting shape. What his armorer thinks of this idea is not known.

For countless generations, it has been men like Wong Hon who made a mockery of orders from the capital, be it Nanking, Chungking, or Peking; orders that trade was to be carried on only under specified conditions. Now the authority is Communist. But still Wong Hon, and men like him, will continue to carry in precious cargoes of contraband, whether it is toothpaste, typewriters, or kerosene, and smuggle out gold, jewels, or even rice to sell in the profitable Macao or Hong Kong markets. Although located on the border of Portuguese Macao, long famous for its own smuggling activities, much of the trade carried out by Wong Hon and the men he protects is a three way trade with Hong Kong, Macao, and Interior China.

Wong Hon himself does little of the actual smuggling. His job is to protect the smugglers in their activities in Ching Shan. He guards their landing and carting of contraband, both from seizure by Customs agents or by pirates and hi-jackers. He also sells protection to the farmers and merchants of

(Continued on page 48)



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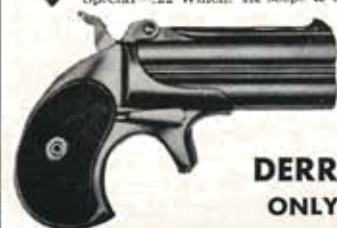
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(Continued from page 46)

his district, and would have little hesitation in collecting his "share" by force if it were withheld.

Needless to say, it never is; at least not more than once! For beside this dapper, smiling little man, this genial and charming host, as he dandles his first-born on his knee or plays affectionately with nephews and nieces, is a member of his personal body-guard, always in attendance. His life is built around violence and force.

The story of Wong Hon's life is the story of China, from pre-historic times to the present day. It is a story of a feudal system of petty gangsters, who control their villages through fear and the force of arms, owe their fidelity and position to a larger gangster or war lord, who administers a larger district, in turn owing fealty to a bigger war-lord, who may be undisputed master of a province, responsible only to a central authority.

This has been China's way for millenia. There is little reason to believe the Communists will be able to change it substantially, in our time, at least. Whether it is clubs, spears, rifles, or machine guns, the law is administered by force in China, and it is the man who commands the most loyal fighters who profits from its administration. Wong Hon won the right to collect protection money from smugglers and farmers in his district by defeating the previous gang leader in a final show-down. A large store of guns from broken down Japanese rifles to the latest sub-machine guns and rocket firing bazookas were added to the arsenal. But sometime, Wong Hon is likely to come out the loser in such a fight.



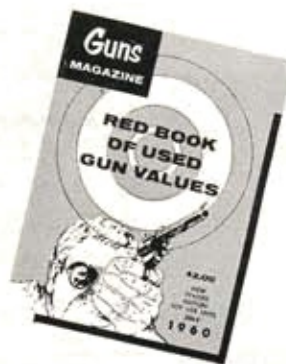
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LIE TO A MICROSCOPE?

(Continued from page 29)

"hero," basking in the limelight of wonderful publicity, did not realize that anything was amiss.

A few days later, the "hero's" bubble burst. The report of the firearms laboratory was that the bullet found in the illegally killed piece of game was fired from the rifle owned by our hero. Upon being informed of the findings, our big little man broke down and confessed that he had cooked up the whole story. After he shot the animal, he became frightened, decided that the best thing to do was to turn it over to the local game protector and tell a phony yarn about seeing men running away from the dead animal.

There was another incident that occurred in the southern part of Pennsylvania. A party of men were hunting for whitetail and were suddenly confronted with a herd of deer exploding from a small patch of woods. Rifles cracked all around and, when the deer disappeared over the horizon and the shooting had ceased, there lay an illegally killed doe deer. The local game protector, being in the neighborhood at the time and hearing the cannonading, hastened to the scene—only to find that the hunters would not say anything other than to vehemently deny that they had any part in the shooting. To make matters worse for the game protector, the hunters were all using rifles of the same type and caliber.

Nevertheless, the game protector took the deer, the guns, and the hunters into custody for further investigation. The bullet was removed from the carcass of the deer, and the men were released on bail to appear at a hearing at a future date. In the meantime, the guns and the bullet were brought to Harrisburg for a ballistic test. At the hearing in court, testimony was given by the firearms examiner that one particular rifle had fired the bullet removed from the deer. When this man was accused, his attorney, upon hearing that his client was charged with killing the deer, became highly indignant that the Pennsylvania Game Commission would go to such extremes and even enlist the aid of the Pennsylvania State Police Crime Laboratory to prove that his client was the culprit. However, after much flowery oratory, the attorney advised his client to plead guilty to the charge and pay the fine. The other hunters were then released, as no charges were filed against them.

The road to justice does not always run straight and true; instead, it has its peculiar twists and turns. Take for instance the game protector's friend who was always "Johnny on the spot" when the game protector needed help to drag in a dead deer or help release game. One night the game protector was called out to bring in a dead deer that had been shot the day before the opening of the deer season. After the game protector and his friend had dragged in the deer, they removed the bullet from the carcass. The game protector then began to round up rifles from possible suspects in order that a ballistic check could be made. For good measure he brought along the rifle of his friend, because as he stated, "I wanted to clear any doubt in anybody's mind that my friend could have killed the deer."

You guessed it: our "Johnny on the spot" was the guilty party. His only defense, after



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being confronted with the evidence, was, "Somebody probably came along and took the rifle out of my car, killed the deer, then put the rifle back." He did, however, pay the fine without any hesitancy whatsoever.

Some habitual violators are continually seeking ways and means to circumvent the game laws and to stymie an investigation. A particular instance to this happened near Philadelphia. A known violator bragged that he had the "medicine" to stop the Game Commission and that he could shoot any game, in or out of season, and "those birds in Harrisburg with their high fallutin' gadgets couldn't prove a thing."

For a long time, there was nothing that could be done about it. But one day he slipped. The bullet removed from an illegally shot deer was found to have sufficient body to make it worthwhile to send to Harrisburg for a ballistic check. After carefully removing all of the pieces and the base of the bullet from the carcass, the bullet and the suspect's rifle were forwarded to Harrisburg by messenger.

The outcome was that "those birds in Harrisburg" were able to do something about it. You see, his "medicine" was one of the high velocity, small caliber rifles from which, ordinarily, the bullet blows up upon impact. This man, upon being confronted with the results of the ballistic check, was visibly "shook." He realized that, at long last, his poacher instincts were going to be curtailed. After a long consultation with an attorney, he pled guilty to the charge and was sentenced to pay a stiff fine and, in addition, to forfeit his hunting privileges for an indefinite period.

It is not always the case that the law enforcement officer is out solely to convict the violators. Many times, in fact more often than not, the law is endeavoring to protect the innocent person who happens to be a victim of circumstances. Here again, the firearms examiner plays a most important part. Take the case of the man, whom we will call Pete, who was hunting in the woods, heard a shot, then a groan, and hurried to the scene to discover a hunter lying in the snow, fatally wounded. Before Pete could get any help, the hunter lapsed into unconsciousness and died.

Things looked mighty grim for Pete. No other hunters were seen near the area, and only Pete's footprints leading to the hunter were found. To make matters worse for Pete, the autopsy brought forth a bullet that proved to be the same caliber as his rifle, and the same brand as the cartridges that

he was carrying at the time of the incident. Pete also admitted that he had fired his rifle that day, but insisted that his shooting had been done earlier in the day and at another place.

The rifle and the bullet removed from the body of the hunter were rushed to Harrisburg for further examination at the Pennsylvania State Police Crime Laboratory. The firearms examiner proved that, even though the bullet was the same type and caliber as those carried by Pete the day of the shooting, it could not have been fired from Pete's rifle. You can imagine Pete's relief when he was informed of the results. This time, scientific investigation had eliminated an innocent man, cleared him entirely as a suspect and kept him from being punished unjustly as a victim of circumstances.

Not only are bullets used to trace and pin down the guilty; cartridge cases and shotgun shells also tend to prove or disprove that a person was or was not in the immediate area where a violation has occurred. They can be used to indicate direction, and whether or not a suspect could or could not have fired and killed an illegal piece of game. The services of the Pennsylvania State Police Crime Laboratory are often called upon to curb the careless hunter who shoots first and looks afterwards.

In the case of the young boy and his older hunting companion who were hunting turkeys, the youngster saw the bushes move and shot hurriedly, before actually seeing what was behind the bushes. To his horror, he discovered that he had shot another hunter. His older companion, seeking to cover for the boy, disposed of all the cartridges in the possession of the lad, and then told the investigating officers that they had come upon the body of the hunter by accident. The man failed to realize that the autopsy would probably reveal a bullet—as it did.

When the bullet was removed, it was sent to Harrisburg, along with guns used at the time. The ballistic check showed that the rifle of the young boy had fired the bullet removed from the dead man. When confronted with this evidence, the youngster told the old familiar story, "I saw the bushes move and shot." The boy was released under parole to the custody of his parents; but his future hunting privileges at this time are questionable.

Another time, a boy was shot by a hunter. The man accused stated that he could not have fired the shot that so badly maimed and crippled the lad, since he had fired only one shot, at a deer, and that shot was still in the carcass of the animal. An investigation revealed that part of his story was true. He had killed a deer, and his bullet was in the body of the animal. However, further investigations and searches of the area revealed two more cartridge cases of the type and caliber used by the accused at the time of the shooting. Subsequently comparison examinations by the ballistics unit of the State Police Laboratory showed that the cartridges had been fired in the rifle of the accused. This additional evidence showed the accused was lying, because he had fired not once, but three times, only one of which shots being accounted for in killing the deer.

This and the foregoing stories serve to point out that ballistics have also served to curb wanton shooting in the woods. No longer is the hunter getting away with acts

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of carelessness that make him liable for damages merely by denying the facts. The comparison microscope and other allied instruments used by the trained firearms examiners today are proving to be a most potent and powerful aid in the apprehension of criminals, both on the highways and in the game areas throughout Pennsylvania. They have amply demonstrated their power in the enforcement of the Pennsylvania Game Laws.

The Pennsylvania Game Commission each year confiscates a weird variety of guns—rifles, shotguns, revolvers, and autoloading pistols—guns that have been used for illegal purposes, or that are in themselves illegal, such as automatic rifles and pistols. In addition to these, spotlights are confiscated when used illegally, and if they are used in conjunction with a car, the car is confiscated. The Commission puts all but the illegal weapons on the auction block from time to

time, and sells them to the highest bidders. The illegal weapons are, of course, destroyed.

The Pennsylvania Game Commission School, known as the Ross Leffler School of Conservation, located at Brockway, Jefferson County, Pennsylvania, has now added an additional course of study to their student curriculum. The proper techniques of gathering ballistics evidence is high on the study list, since such evidence is becoming more and more valuable in the successful enforcement of the Game Laws. The rookie game protector is now thoroughly trained to gather evidence and to properly evaluate and transport this evidence to the State Police Crime Laboratory. Practical problems are placed before the rookie to solve, and his ability to recognize ballistics evidence is carefully evaluated by the skilled instructors in order that the student will be better able to carry on his assigned tasks after graduation.

A HANDGUN WILDCATTER SOUNDS OFF

(Continued from page 23)

Harvey uses the "K" chambering principle in the .224 Kay-chuk. Actually, it is a regular K-Hornet case shortened .05" to fit the Smith & Wesson K-22. The K-22 cylinder is too short for the full length case. With ultra-light bullets of 35 grains or less, some amazing ballistics are created, and equally amazing performances are recorded on targets and varmints. I rechambered a .22 Remington Rolling Block pistol to hold this new wildcat. With all sorts of bullets it is very accurate, but I prefer it with reduced loads. My choice is six grains #2400 powder and the 40 grain bullet. Even this makes a sharp report, sounding more powerful than it really is.

My first choice for a .22 C F revolver wildcat is also based on the Hornet, shortened considerably more than the .224 Kay-chuk. Known as the K-Hornet Jr., with overall case length of about 1.100", it was designed by Kilbourn in 1943. At that time, I made up a couple of rifles for the load, but it appealed to me much more in a handgun. I rigged up another S. A. Colt for junior (Single Actions were much cheaper and more plentiful in those days), and loaded from five to eight grains #2400 behind any 45 gr. or lighter bullet. This little cartridge appeals to me today for several reasons. One is that a factory Hornet cartridge cannot possibly be put by mistake into this short chamber. Second, besides the big-cylindered S. A. Colts and the long-cylindered S&W K-22s, other arms such as Colt's Officers Model, the splendid Ruger Single Six, and others with shorter cylinders, can handle it. Using pistol powders, the Junior case has plenty of capacity, more than can be used. It will darn near equal the regular K-Hornet in velocity, when the same type of powder is used. Even using #2400 rifle powder, this Junior case will hold more than eight grains easily, and that will send a 35 gr. bullet mighty fast for a handgun.

The new .22 Winchester Magnum Rimfire sends a light jacketed 40 grain bullet at a muzzle velocity of 1550 feet per second. Of course this is no wildcat, but the "rim fire" puts a damper on it for thousands of shooters who reload. Wildcat cartridges must be center fire so that the case can be reloaded. But the irony of it is that small game shooters long ago petitioned ammuni-

tion manufacturers to come out with a higher velocity .22 WRF or .25 Stevens, always getting the same answer: "Can't be done—wouldn't be safe." Well now they have done it, and it is a fine thing. Now if the Ruger-Winchester combination would come out with a cartridge like the K-Hornet Jr., a muzzle velocity of 2000 FPS or better could be reached, and handloaders could cook up any combination of bullet or velocity (up to about 2200) they wanted or needed. The Ruger Single Six with this new Winchester .22 W.R.F. Magnum is quite something, but I'd like it even better if it had a center-fire hull. Perhaps the answer for .22 C F fans will be the just-announced .22 J G R (GUNS, January 1960) baby bottleneck.

Before leaving the .22 center-fire discussion, the .218 Bee has also been used in Single Action Colts revolvers properly reworked and chambered for it. Shorter cased than the Hornet, it is larger capacity, more bottle-neck, and therefore has an even more piercing report when fired in a short-barreled

(Continued on page 53)

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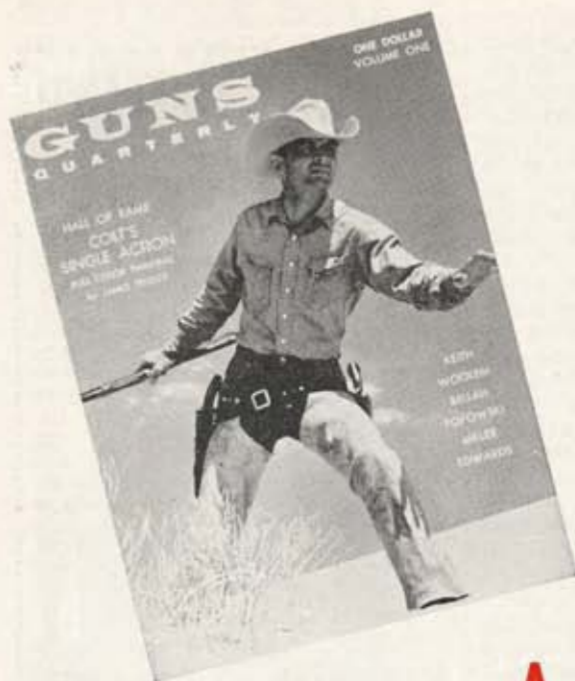
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(Continued from page 51)

handgun. This makes for a poor handgun cartridge, even in the Improved or expanded case.

While .22 C F cartridges like the .224 Kay-chuk and K-Hornet Jr. have appealing usefulness in a suitable revolver (very high velocity and flat trajectory with very light bullets), my choice in the small caliber wildcat handgun cartridge is a .25 caliber on the Hornet case. This is nothing new, as the Hornet case has been used for years by wildcatters in both rifles and handguns. There are three versions of the .25 Hornet: one using the regular Hornet case expanded to hold a .25 caliber bullet, resulting in an almost straight sided case; one on the .25 K-Hornet case, which has greater powder capacity and less taper to the body; and one using the 'Junior' case. I like to think I was the first to use the shortened case, which was as long ago as 1940. I call it the .25 Hornet Jr. or the "Yellowjack" (because I often use jacketed bullets in it). I consider all three of these .25s superior in every way to any of the .22 center-fire cartridges before mentioned.

The main advantage of the .25 Hornet is that the case is almost straight sided with very little bottle neck. This is important, because a straight case puts less backward thrust on the frame of the gun and less pressure on the cylinder walls. I believe that the .25 Hornet can send a 60 grain bullet more efficiently than a .22 caliber center-fire handgun will send a 40 grain bullet. The .25 Hornets are also less noisy than the .22 bottle-necks. And, finally, to get peak performance out of the .22 center-fire cartridge, it should be loaded with a very light weight (and lightly constructed) bullet to gain high velocity and explosive effect. The .25 Hornets can be loaded similarly with nearly equal results, or with a much heavier bullet for better sustained velocity, less wind drift, and better long range ballistics and killing power.

Many handgun shooters, who like to use a revolver for hunting small game, have needed a cylinder gun that was chambered for the Stevens .25 Rim Fire cartridge, and here, in the .25 Hornets, we have essentially the same thing, plus a lot more versatility because it can be handloaded—down, using light bullets, to equal the old Stevens .25 Short R.F., or heavier, to equal the .25 Long R.F., or much heavier still for truly spectacular performance.

My first .25 Hornet revolver was built on a Single Action Colt. It had the almost straight-sided 'K' chamber, and I used a section of .25-20 barrel that had a 1-in-14 rifling twist. It gave excellent accuracy. My favorite bullet then (also my favorite cast .25 caliber bullet now) was the Loverin-designed Ideal #257312, loaded ahead of seven grains #2400 powder.

Remodeling the big Colt S.A. left the gun a bit too heavy to suit me as a hunting weapon, so next time I used the Junior version (case length about 1.10") and a

lighter Colts' double action Lighting, originally .41 caliber. Bushing the chambers and relining the barrel to hold the .25 Hornet Jr. case, it made an ideal small game hunting and plinking handgun—not too big and heavy, yet no toy. I shot that revolver a great deal, and fell in love with it. I developed several pet loads, but five grains #2400 behind the 75 gr. gas check bullet was my favorite.

Then along came the Ruger Single Six, and I promptly converted one to .25 Hornet Jr. Re-chambered, it is now the finest small game handgun in existence, in my opinion. The easy conversion job requires chambering out the cylinder from .22 R.F. to the .25 Hornet Jr.; then fit a .257" barrel, and change the firing pin from rim to center fire. The same can be done to other .22 Colt revolvers, like the Officers Model. Smith & Wesson revolvers present a more difficult rebarreling problem, although it can be done.

When I first began shooting the .25 Hornet Jr., I used many 60 grain .25-20 jacketed bullets in it; hence my pet name, "The Yellow Jack." Longer cases could be used in most revolvers than the 1.10" length of my .25 Hornet Jr., but this length was used because most of my cases were made from once-fired K-Hornet brass, and when the neck and shoulder are cut off it leaves the case about this length. Also most hornet cases are factory cannellured (and thereby weakened) at or near this point, and it is best to cut them off below the cannellure. Even so, this shortened case can be easily overloaded, as can any handgun cartridge, so extra powder room is not really needed, even when rifle powders such as #2400 and #4227 are used.

My Ruger "Yellowjack" has seen a lot of use. After running through my stock of bullets, I rigged up a simple swaging die to fit in my Pacific reloading press, and now use only these swaged bullets. Soft lead wire is used in conjunction with a copper gas-check cup, both formed in one simple

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operation. Any weight of .257 bullet can be made, and I have used both the 50 and 60 grain weight, preferring the lighter one for most shooting.

Barrels have to be really smooth inside or they will lead with these unlubricated bullets. I tried three different barrels on my .25 Hornet Jr. Ruger, all with different rifling twists (1/12, 1/14, and 1/17), and settled on the 1/14 as being the best.

Some of my loads for the Yellowjack are: 2.3 gr. Bullseye and 60 gr. bullet; 3 gr. Bullseye and 50 gr. bullet; 3 gr. #5066 and 50 gr. bullet; 6 gr. 4227 and 60 gr. bullet; and 7 gr. #2400 and 60 gr. bullet. None of these loads have been chronographed, but all are quite potent on game and they are not too hot. I have loaded much heavier charges of #2400, but I always prefer less than maximum loadings.

The .25-20 WCF cartridge, and also the expanded Improved version, have been used in revolvers from time to time, mostly in reworked Colts Single Actions. It takes a big-cylindrical gun to safely hold a factory loaded cartridge, and here again this bottlenecked hull creates excessive noise, even worse than the .32-20. Most shooters are, wisely, afraid to shoot factory .25-20 ammo in even strong handguns. They handload it 'way down, and are then getting the same results as I'm getting with moderate loads in my .25 Hornet Jr.

During the last war and directly afterwards, the .30 Carbine cartridge came in for a lot of cussing and discussion. Everyone agreed that it was a very poor rifle cartridge—and that it was. Then someone figured, here we have a lot of .30 Carbine

ammunition, and it's no good in a rifle, so why not put it in a pistol or revolver? A lot of brave souls tried. A lot of S.A. Colts were remodeled to hold this pee-wee rifle shell, but in a handgun the cartridge became a giant. Fearing that it would tear a S.A. Colt apart, others made completely new revolvers for it. One man even cooked up an automatic pistol chambered for it. Every one who has tried the .30 Carbine cartridge as arsenal-loaded in a handgun agrees that it is plain dynamite. Properly handloaded and used in a heavy revolver, the .30 Carbine cartridge would be all right, but then it would be no better than our present .32-20. To close the book on the .30 Carbine as a handgun cartridge once and for all, Smith & Wesson made up a special experimental revolver to hold the case for possible military adoption and use, but the army did not want it, so the big gun was shelved.

The .38 Special and the .357 Magnum cases have also come in for their share of wildcatting. Both cases have been necked down to many different calibers and used in both rifles and handguns. A long time ago I also had the idea of doing this, and made up an experimental wildcat handgun-and-rifle cartridge using heavy .32 caliber bullets in a necked down .38 Special case. It did not take me long to realize that this .32/.38 wildcat was absolutely worthless in the rifle that I had made up for it, and not much better in the revolver. Both the regular .32-20 and .38 Special would outperform it in every way. Other wildcatters have worked on the .38 cases, necking them down to .30 caliber for handgun use, even to .25 and .22 calibers for rifles; but in no case has there been any improvement over existing cartridges.

The Great Western single action revolver ushered in a wildcat of sorts, called the .357 Atomic: a souped-up .357 Magnum. Both the .38 Special and regular .357 Magnum cartridges could be used in the gun, and the .357 Atomic loading could be duplicated in the Magnum case. The Atomic appeared along with the .30 Carbine, but both were special-order guns; neither had anything important to offer, and neither are in the lists now.


Big-caliber handgun enthusiasts have long bemoaned the fact that there is no really good handgun-cartridge combination available between the .357 Magnum and the .44 Special. The catalogs list the .41 Long Colt cartridge, but this cartridge has been dead as a dodo for a long time.

This .41 Colt cartridge was never much for power, nor accuracy. But, due to the efforts of many wildcatters, I doubt that the .40" caliber handgun will ever die. (Both the .41 Colt and the .38-40 are really .40" caliber, their bore measurements being .401" to .402".) Handgun wildcatters have been toying with the .40 caliber a long time, and have come up with one outstanding wildcat cartridge, commonly referred to as the .401 Special. Those who have used it have nothing but the very highest praise for it. Like most wildcats, it is hard to determine just who sired it, but two men must take a lot of credit for pushing it: Pop Eimer, Joplin gunsmith who has made up quite a few revolvers in this caliber, and Gordon C. Boser, shooter-writer who broadcast the .401's many virtues.

The typical .401 Special is based on the shortened .401 Winchester Self-Loading cart-

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ridge case, although other cases have been used with some success. This is a very strong case, semi-rimmed so that it can be easily head-spaced in a revolver cylinder without using spring clips, and when shortened to the required length (1.187") leaves plenty of neck thickness. Regular .38-40 cast revolver or rifle bullets are used, and Boser has designed an excellent bullet for it (#401452 Ideal-Lyman 195 grain H.P.). The .401 Special is straight sided, has therefore less powder capacity than the .38-40; but this is more than compensated for by the heavy case and the thicker cylinder walls. It can be loaded heavier with safety than the .38-40, and when loaded maximum will nearly equal hot .44 special loads.

I became interested in this caliber and cartridge in the late forties and have had at least one handgun of some kind chambered for it since that time. The easiest way to get a .401 Special is to take a .41 caliber Single Action Colt and rechamber the cylinder to hold the .401 Special case.

Other revolvers that can be used are chiefly the Single Action Colt Army and Bisley models. If they are chambered for the .41 Colt cartridge and have a serial number above 165,000, rechambering the cylinder to the .401 Special will produce a good gun in which moderate heavy loads may be fired. The same guns in .38-40 caliber are also suitable when fitted with a new cylinder chambered for the .401 Special. Instead of using an old .41 cylinder as the basis of the .401 chambering, it would be better to purchase a new .357 Magnum cylinder and rechamber this to the .401 Special. This would result in a much stronger cylinder because they are made of the most modern steel, and the heaviest loads may then be safely fired. Numerous other makes and models can be adapted.

Another gun that will work ideally for the .401 Special is the old Remington Navy single shot pistol on the rolling block action. I have one which I have used a great deal. It is small, light, and has a small grip, so I shoot only mild loads in it. However, the action itself will stand the heaviest loadings without strain.

Besides this single shot and a Single Action Colt .401 Special, my latest .401 Special is built on a Colt 1917 service revolver, originally .45 Auto caliber.

The factory .401 WSL cartridge is about 1.50" long, and is trimmed to 1.187" to make cases for the .401 Special. This corresponds closely to the .44 Special, which is 1.155" long, and to the new .44 Magnum with a case of 1.285". The .401 Special could be made longer but this is not necessary because there is still plenty of boiler room; it will hold 19 grains plus of #2400 powder and that makes for a very powerful load indeed. Unless I am using light hollow point bullets of about 175 grains, I never use that much powder; 18 grains is the very tops for me. However, for most of my heavy shooting, I use 17 grains #2400 and consider this mighty potent with the 195 grain HP bullet, surpassing the commercial .44 Special load in both energy and velocity. My favorite bullet is the Ideal #401452 HP and weighs 195 grains. Also used and like the Ideal #40188 solid bullet of 175 grains.

Wildcat handgun work is almost always done with revolvers, because the revolver is easier to smith and handload for, and will handle all sorts of loads without adjust-

ment, from squib to magnum. In the automatic pistol, the power of the loads must be controlled in order to work the action properly. If anyone wanted to make a big bore magnum automatic pistol, the .401 Special should be a very good starting point. The case would have to be shortened a bit more to work through a magazine, but the semi-rimmed .401 head is like that of the .38 Super and is ideal for auto use.

This article lacks a great deal of covering the whole range of wildcat handgun cartridges; there are other worthy wildcats around, I'm sure, and also some that make no sense whatsoever. And there are other very good possibilities for cartridge designers to try. The .375 caliber is one.

Will one of these wildcat handgun cartridges ever be adopted commercially by any arms and ammunition manufacturer? Judging from past history, there would seem to be little likelihood of such a thing happening. Our two newer center fire handgun cartridges are the .357 Magnum and the .44 Magnum; and neither were wildcats. But I do predict that there will be more 'magnumizing' like that which has been done on the .38 and .44 Specials, perhaps on the .32 S & W Long and the old .45 Colt. The .32 S & W Long could be magnumized like the newest .22 WRF Magnum by using a more powerful load and a semi-jacketed bullet, leaving the case as is. The .45 Colt would have to be changed in some respect, to prevent the magnum case going into an old gun. This could be done by changing the rim size and thickness. I'll also forecast an entirely new caliber and cartridge to come up in the near future in the handgun field.

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Photo from Mick Fallis of Quilpie, Queensland, Australia, showing skins of two kangaroo that fell to Hornady Bullets.



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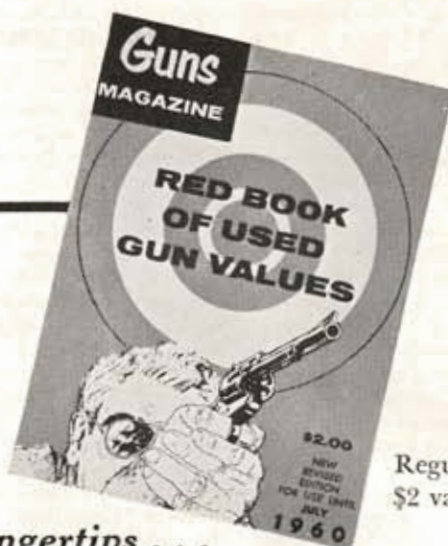


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POLICE TEACH TEEN-AGERS TO SHOOT

(Continued from page 36)

Perry, Ohio, for the past six years. Over this period, they placed 10 of their girl shooters on the International Womens Randle team, with one member on the team in 1955, and three each on the team in '56, '57 and '58.

That, briefly, is the record of Lt. Carten's P A L sponsored youngsters who went from gravel pit to National Championships. They have not only had fun, recreation, and valuable instruction; they have made friends with, and come in contact with people from almost all parts of the globe.

If space permitted, numerous other clubs could be described. The Mission Township Police Department club of Kansas City, Mo.; the Paterson Police PRA Junior Rifle Club of Paterson, N.J.; the Sparrows Point YMCA Junior Rifle Club and the Pointtrees Junior Rifle Club, both sponsored by the Sparrows Point Police Department of Baltimore, Md., come to mind. There are many others.

Today, there are around 3,500 junior rifle clubs and patrols, 1,150 summer camps, and 233 colleges and universities actively affiliated with the National Rifle Association in junior firearms programs. Many of these are backed and aided by local police organizations—and the number is increasing. Police are convinced that a boy or girl who is taught to shoot straight becomes a straight shooter in other ways also.

As for the "danger" the bleeding hearts scream about—according to the National Rifle Association, about four million youngsters have participated in match shooting as a sport, and there have been only four accidents. Those four very slight. The danger that lies in the family bath tub is far greater.

Complete information on hunting accidents is difficult to get, but the five-year record of Travelers Insurance Company, 1952-56, gives a fair sampling for the entire nation. Total

accidents during these five years numbered 207,023. Home accidents led the list with 47.21 per cent of the total. Sports and recreation came second, with 21.01 per cent. Automobiles were third, with 15.48 per cent.

Sports and recreation accounted for 34,888 accidents. Twenty-four sports and recreations were included. Football led, with 4,668. Baseball was second, with 3,275 accidents. There were 15 sports and recreations with 1,000 or more accidents. The Travelers policy holders had fewer accidents hunting than they did at theaters, churches, and concerts, where accidents totaled 950. The hunting accidents numbered 722, and this included many accidents that did not involve firearms; such accidents as falling out of trees, getting limbs broken in various ways, and injuries from other outdoor hazards.

According to the insurance records, we would have to get into such sports as dancing (with 378 accidents) or pool and billiards (with 24) to find fewer accidents than in the hunting category. This in spite of the deplorable fact that "hunters" includes many with no firearms training, and idiots who shoot at sounds and shaking bushes.

Four million kids, shooting under supervision, with only four slight accidents, have established a record for safety. And it is doubtful if youngsters in any other sport have more fun than the rifle club youngsters.

Chances are that we will always have some among us who will scream, in print and otherwise, about the dangers of guns—just as we will always have those who blame all teen-agers for the misdeeds of a few. But police know better; and we can be thankful we will also continue to have straight thinking, tough minded cops and others who will teach more and more youngsters to have fun, win honors, become "straight shooters"—in life as well as on the range.

HANDLOADING BENCH

(Continued from page 13)

in small lots. Keith's charge of 22 grs. No. 2400 is good, starting at about 1,340 f.p.s. for 990 foot pounds muzzle energy. His 5 grains of Bullseye is a dandy plinking load.

The Hensley & Gibbs No. 45 is a fine plain

supply this to dealers, and also a complete line of quality lead products for handloaders, including shot, IBA No. 7 is an excellent hard mix, better for Hi-V than the usual 10:1 lead-tin alloy. Ideal No. 2 is also a hard alloy. The IBA No. 4 is a softer mix, better for slightly lighter loads, say up to 18.5 grains 2400. Soft alloys have more shock with lighter charges, while hard alloys give more penetration.

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My favorite Jugular is a 220 grain for any use. Top charge is 26.2 grains No. 2400 for 1,755 f.p.s., and 1,510 foot pounds M.E. Use 25 grains for 1,639 f.p.s., or 24 grains for 1,551 f.p.s., and less recoil than factory ammo. Soft lead cores in thin jackets pack far more shock than indicated by the ballistics. Max pressure is under 38,400 psi, less

(Continued on page 60)



Factory .44 Mag swaged GC bullet makes smaller hole than (top) Jugular.

base pill, better in the gas check type. So is the Lyman-Thompson gas check No. 429244. These are all good with the above charges. For equal accuracy and less recoil, use a 215 gr. Lyman No. 429215.

Home mixed antimony alloys are seldom uniform. Use a good commercial mix like IBA No. 7. Division Lead Co., Summit, Ill.,

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TOUCH-UP PAINTING KIT handy for repairing old baits and adding color to lures. Kit contains six bottles of vivid colored lacquer, plus thinner, a brush, wiping cloth, sandpaper and sparkling glitter. Can be used on plastic, wood and metal. Available for 99c from the Conrad Company, Box 989, Dept. S-12, Minneapolis, Minn.



LUBRICATING GUN ideal for lubricating firearms. Called Dixon Jet 4 Graph-Air Gun, a flexible rubber bellows mounted on a ¼-ounce container filled with Dixon Microfyne lubricating graphite. When triggered, gun ejects controlled stream of lubricating graphite with force. Atomizing principle prevents clogging of gun nozzle. Lubricant guaranteed not to drip, run, melt, freeze. Product is marketed by Joseph Dixon Crucible Company of Jersey City, N. J.

BUCKSKIN LOAFER. New, different jac-shirt handmade of specially tanned Western buckskin. Shirt is designed for comfortable loafing, lounging and sports wear. Completely washable, dry cleans, and will outwear ordinary jackets. Unique neck opening panel in contrasting smooth tan buckskin. Leather tab at neck buttons on with two leather buttons. Vents on both sides of jac-shirt give necessary "expansion" for comfortable sitting, loafing, driving. Retail at \$42.50, postpaid. From Norm Thompson, 1311 NW 21st, Portland 9, Oregon.



QUICK GUN SHROUD. Connotation of new Canadian gungadget's name points up safety and keep-clean aspects of novel invention. Quickly removable rubber moulded housing for various popular autoloading rifles, shotguns, prevents dirt, snow, water from getting in to action while on hunt. Ideal for offering secondary protection to a rifle carried uncased, not in the presence of game. Bright safety colors and visibility to hunter in woods, yet cover could be slipped off by thumbing top edge which splits to remove. Developed by: James Glover, 32 Lowe St., Chatham, Ontario, Canada.

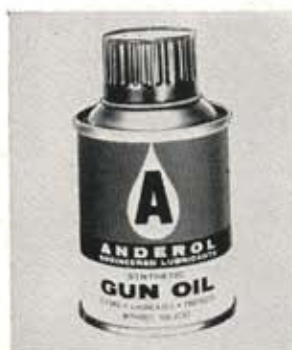


VARIABLE SCOPE CHIEF, 3X to 9X is available from D. P. Bushnell & Co., Inc., 466 Bushnell Bldg., Pasadena, Calif. Instrument offers practical solution to "heavy reticle problem." Bushnell ultra-fine crosshairs, subtending less than one-quarter of a minute, provide a fine aiming point even at 9X. Measures less than ⅛" longer than standard 4X Scope Chief, and wider field with better resolution, power-for-power. New variable is nitrogen-filled and specially sealed to protect against moisture and fogging. More precise micron-atic reticle adjustments, plus sturdy Bushnell aluminum alloy body. Priced at \$79.50, backed by 20-Year Guarantee and 30-Day Trial Privilege.



CAMP COT MATTRESS ends sportsmen's outdoor camping problems. K-1 Sentinel Mattress consists of a solid extra-firm piece of Polyether Foam, a new multi-cellular plastic material. Withstands rugged use, is fire-resistant and tear-resistant. The 30" x 74" slab of Polyether Foam is completely covered and sealed in a 61½ oz. Government Standard ACA Ticking called "Steri-Tick." Completely waterproof, Camp Cot Mattress provides comfortable, healthful sleeping. It is manufactured by Forest City Products, Inc., 722 Bolivar Road, Cleveland 15, Ohio.

WITH Guns



ANDEROL SYNTHETIC GUN OIL now available to gun enthusiasts in 3-ounce spray containers. New containers enable sportsmen to spray a thin film of oil into all working parts of shooting equipment. Lubricant clings magnetically to metal, resisting wipe-off or wash-off. Synthetic lubricants will not evaporate or gum, and operate successfully over temperature range of -50°F to 300°F . Prevent rust and corrosion. Anderol Gun Oil is a product of the Consumer Service Dept., Lehigh Chemical Co., Chestertown, Md.



PLASTIC MASTIC COMPOUND. Home work shop mechanics will find new compound valuable in repair of tools and even in certain gunsmithing jobs requiring permanent adhesion between metal and metal or other materials. Plastic Mastic-General Repair Kit is supplied in quart, half-gallon and two gallon sizes. Each kit consists of two cans of equal size: one can contains white base, the other the black hardener. All-purpose repair compound is a product of Williamson Adhesives, Inc., 8220 Kimball Ave., Skokie, Ill.



NIGHT DRIVING GLASSES. Litenight Night Driving Glasses are scientifically developed to improve night vision and eliminate dangerous glare. Remarkable lenses made of special amber optical glass that lets through infra-red light. Glasses made of 24-Kt. gold-plated aviation frames with adjustable nose-pads and wide-angle lenses. Leatherette carrying case included without charge.

Regular style \$2.98; clip-on style, for use over regular glasses \$2.25. State style, and whether for man or woman, when ordering. Money-back guarantee. Available from Stuyvesant Trading Co., Inc., Dept. G-4, 130 W. 42nd St., N. Y. 36, N. Y.



7x35 BINOCULARS wide angle with center focus. Provides field of view of 500 feet at 1000 yards, nearly double field of average pair. Deluxe lens coatings guarantee sharp images in any light. Four clamped prisms, dust and moisture resistant, laboratory tested and guaranteed. Priced at \$19.98, plus 10% Federal Tax, postage collect from The Akron, 2140 Hyperion Ave., Los Angeles 27, Calif. Price includes genuine pigskin case, straps, and four protective lens caps.

"SILVER ANNIVERSARY" CATALOG published by Flaig of Millvale, Pennsylvania, lists all shooting equipment. Includes exclusive items and gunsmithing services offered by firm. Index gives conventional descriptive and price information. Contains 20 full-size pages which picture story of Flaig's metal and woodwork shop facilities. Front cover features a colorful seasonal painting of Flaig's Lodge. Priced at 25c postpaid.



RIFLES OF CHAMPIONS. Hammerli international-style free rifles and pistols used for tough competitive shooting. Rifles on the slick, fast "Swiss straight pull" action, rapid and certain. Calibers .22LR for 50 meters, and centerfires in popular match calibers, especially .308 (7.62 mm NATO) and other highly-developed 300 meter cartridges. Pistols include famous "Olympia" designed to give pistolmen solid holding, balanced performance, in weighted, adjustable-grip rapid fire models. Sports models also available. Hammerli single shot Martini system .22 for slow fire free shooting is only arm of its type in world, a must for the competitive marksman. From: H. Grieder, Box 487, Knoxville, Ill.



ALASKA REVERSIT. Completely reversible jacket, insulated body and sleeves with 100% prime northern down. Inside or out, Alaska "Reversit" offers style, comfort, versatility. Red side is worn out for hunting, dressy brown Nylon side to wear home. Available in other reversible colors. Two large patch pockets with lined hand-warmer pocket inserts reversing to two hand-warmer pockets plus large flapped breast pocket. Heavy duty, lifetime zipper. Specially designed ribbed wool half wristlets stop sleeve drafts. Filled tailored collar has snap fasteners on back for optional matching down insulated storm hood. Sizes 36 through 46, \$47.95; sizes 48 through 50, \$52.95. Add 75c for postage and handling. A product of Alaska Sleeping Bag Co., 723 N. W. 18th Ave., Portland 9, Ore.

INSULATED UNDERWEAR SUITS provide warmth for coldest weather. All outdoorsmen and sportsmen will appreciate zero-zone garments with action-back for shoulder freedom. Extreme lightweight, made of 100% bonded virgin dupont Dacron, underwear suits retain body heat even in below-zero temperature. Knitted collars, anklets, wristlets hug tightly to keep warmth in, cold out. Available in ladies', men's, children's sizes. Suits manufactured by Ero Manufacturing Co., 714 West Monroe St., Chicago, Ill.



VIS-O-LITE lets outdoorsman see with both hands free. Silverized elliptical reflector throws wide, even beam. Dual clips attach Vis-O-Lite to cap visor, hat band or belt. High impact styrene takes knocks that would ruin ordinary flashlights. Virtually unbreakable clear plastic lens. Shape prevents rolling. Ideal light for glove compartment. Perfect for night fishermen, mechanics, small boat owners, coon hunters, campers, motorists. Vis-O-Lite uses regular flashlight batteries (not included). Priced at \$1.98 postpaid from Edward King Co., Dept. G-4, Box 46, Whitestone 57, N. Y.

SHOP EQUIPMENT

(See also pages 7, 63, 64, 66)

BARREL



INLETING RASP

The rasp with a coarse and fine cut. Since 1937, when I designed and offered this rasp, it has been the favorite of many professional and amateur gunsmiths.

For fast cutting and smooth finishing, use this barrel inleting rasp.

Sizes: 1/2", 5/8", 3/4" diam., 2" long.

Price: as illustrated.....each \$2.75

Set of 2 rasps 1/2" & 3/4", one handle... \$5.00

Set of 3 rasps, one handle..... \$7.25

Send 25c for Big New 48 Page Catalog

FRANK MITTERMEIER

(Established 1936)

3577 E. Tremont Ave. New York 65, N. Y.

Gunsmith
Supplies



WHY GUESS?

This gauge tells you at a glance—

- ★ Caliber
- ★ Millimeter
- ★ Shot Gauge

Calibers on one side, millimeter and gauges on other side.

Made of solid Brass with key chain.

Buy it at your nearest dealer. ONLY \$1.00

Dealer Inquiries Invited

B & G GAUGE CO.
2017 ROSCOE STREET
CHICAGO, ILLINOIS

THE LEWIS LEAD REMOVER

SATISFACTION GUARANTEED

\$3.95

POSTPAID Revolver Cleaning Kit. Removes Leading from Forcing Cone, Cylinder, and Barrel. Available in 35-44-45 cal. Kit for two calibers \$7.10. Patches (Pkg. 10) \$6.00. Dealer Inquiries Invited. Check or Money Order—No COD's.



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College Park, Georgia



Push Button

GUN SIGHT BLACK

IN ITS 5TH YEAR

write to **KEN NOLAN, INC.** \$1.50

San Clemente, Calif. ppd.

DEALERS INQUIRIES INVITED

RE-BLUE YOUR GUN

LOOKS NEW - NOW MADE EASY

Improved Minute Man Gun Blue instantly preserves and renews steels and iron surfaces—Not a paint or lacquer—No heating necessary—Comes complete with all necessary equipment.

GUARANTEED—Tested and proven over 40 years by repeat sales to satisfied users. SEND

MONEY BACK GUARANTEE

NEW METHOD MFG. CO.
G-4 Bradford, Pa.

Name.....
Address.....
City..... State.....



(Continued from page 57)
than .357 factory fodder. You won't believe the terminal performance until you see it on game. Swaged lead is more dense than cast pills, and holds velocity better. 13.5 grs. Unique gives 1,490 f.p.s. For a good hot plinker, I like 10 grains Unique, or 5.5 grains Bullseye. Both charges work well with a 220 grain Prot-X-bore for target accuracy.

A lad blew a Big Maggie to pieces by accidentally using Bullseye instead of No. 2400. Fortunately, he wasn't injured. This mix-up is the main danger in reloading. **Never** keep more than the one canister of powder you are using on your bench. Check the label and measure the setting before you start loading. Let's be sensible.

A gent returned a can of Bullseye after using a bit. He found it mixed with 4198. He got his money back, but I doubt Hercules bought some Dupont powder to mix with their pistol stuff. It sounds like the guy emptied a measure of 4198 in the wrong can.

The Remington cartridge and bullet photo was retouched to look neat. Factory bullets are not that smooth. Hand swaged ones are. The fired case is not retouched. Note the primer is not flattened. If some handloads give flatter primers it does not necessarily indicate excessive pressure. But hard extraction is such a sign, if your chambers are uniform, free of burrs, etc.

Some case sizers are made to SAAMI specifications that call for .432" bullets. Re-

loaders using lubricated .429" bullets may find those in the last round or two will creep out of the cylinder from heavy recoil. I recommend 3-Die sets as made by C-H and RCBS. C-H threads their new No. 1 and No. 2 for the expander-decapper, a real good idea. You can resize and decap in one operation; then clean primer pockets and inspect webs before priming and belling in the next step. These dies save one operation. You use a .38-357 expander-decapper first. Then use a .44 expander only to bell cases as you reprime. If cases expand too much for a tight bullet fit, polish down the expander a bit, or bell cases by tapping a bearing ball on the mouth.

Premium priced, premium quality tungsten carbide insert sizers require no case lube. They burnish cases, work easier and never scratch. Where steel dies may work 6,000 or so lubed cases, T-C dies will work hundreds of thousands of dry cases, and never gall. C-H now makes these in all popular handgun calibers. You can hand them down to the next generation in like-new condition.

Handguns are the cheapest and easiest guns to reload. The cost can be less than .22 L.R. ammo if you use scrap lead. With practice you can throw lead with better accuracy than mediocre riflemen, and make clean kills on deer size game. They are the most fun for year 'round plinking, hunting and targets. All it takes is practice for anyone to learn handgun handling.

GUN RACK

(Continued from page 14)

pears to have been arsenal refinished at some time in the past. The bore is in good condition, bright and no pits. It is probable that if a steel plug is placed in the chamber, with two greased felt wads cut to seal the back, a very creditable .45" muzzle loading rifle can be had, suitable for N-SSA competitions. The G.S. prices on this model run \$24.95 in good condition and \$29.95 in selected shape—well worth the cost.

Some of this model, it is claimed were bought by Southern agents in London during the Civil War and run through the blockade to the Confederacy, but it was not generally used nor issued in the South. Mention of the model is conspicuous by its absence from the standard books on CSA guns. In shooting this one, I'd search out some moulds generally for the .45-70 in the lighter bullets, and use a reduced charge, less than recommended for brass cases, although the standard W R charge is 70 grains of black powder, marked on breech. The felt wads could be pried out of .410 shot-gun shells, while the chamber plug could

be cut from drill rod closest the chamber diameter. We'll give this a try later on when the weather is better for outdoor shooting, and see how it works.

Savage Rifles Are Rugged

A quick trip east showed us a number of things new at the arms factories, including a revamped Model 99 Savage that is really out of this world. The prayers of shooters everywhere will have been answered by the soon-to-be-announced introduction of the "Model 1960" Savage 99, having a true separate sear in its trigger-firing pin works. The new design is the work of vice president Jack Knode, who is a real gone gun nut (in a conservative, adopted New England sort of way, he hailing from Wilmette, Ill.) and who figured out one day that too many people were fooling with the Savage to "lighten the pull" and were creating dangerous conditions instead. The only way the Savage pull can be reduced is to cut the tip of either sear-trigger piece or the tip of the firing pin end. Either way is

(Continued on page 62)

NEW HAMMERLI .177 MATCH

★ GAS-POWERED PISTOL ★



Manufactured and finished according to the famous HAMMERLI tradition! The accurate, precision-made and well-balanced INDOOR TRAINING PISTOL with click-adjustable rear-sight and checkered thumb-rest grips. MODEL "H" for round lead balls \$43.00; MODEL "RD" for round balls and waisted pellets only \$49.00! For details see "Dope Rag" (pages 56 & 57) March 1959 RIFLEMAN.

Dealer Inquiries Invited

Ask for folder!

Hammerli HEINRICH F. GRIEDER
P. O. Box 487,
Knoxville, Illinois

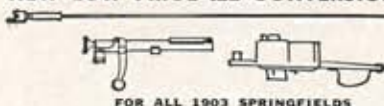


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208 page Catalog-Reference book with more than 1600 items photo-illustrated, described and priced. American, European Firearms and Edged Weapons—all for sale. Send \$1—refunded with first purchase.

The MUSEUM of HISTORICAL ARMS
Dept. N • 1038 Alton Road • Miami Beach, Fla.

NEW LOW PRICE .22 CONVERSION KIT



FOR ALL 1903 SPRINGFIELDS

Handsome conversion unit allows year 'round use of your favorite rifle, even after big game season is past. Inexpensive practice for hunting & plinking now possible with a real, man sized .22 which not only shoots better but feels better while shooting. (Just slide unit to change back to .30-06). Full sized, but short acting bolt, with precision rifled barrel liner gives super accuracy. Each unit, in display box, contains .22 bolt, barrel liner, trigger guard & 7 shot magazine. Bolts have adjustable headspace feature guaranteeing years of accurate shooting. Over 2,000 happy users. Volume sales tumble price to a **LOW, LOW \$19.95** ppd. Extra magazines **\$1.75** ppd.



STEVENS-SAVAGE .22 CALIBER MAGAZINES. New. Fits all Stevens and Savage models after 1923. Spec. **\$1.00** ea., 2 for **\$1.75**, 3 for **\$2.25**.



U. S. CARBINE MAGAZINES

FREE Water (& dirt & tobacco) proof rubber cap given w/ea. magazine.



- 5 shot capacity—required by law for hunting, fits flush with guard—streamlines appearance. Solid machined bottom—not "raw" appearing oversized fold over that some are selling **\$2.45**
- 15 shot, in original wrap, only **\$1.00** ea. or 2 for **\$1.75**
- 30 shot, "banana" clips only **\$4.95** or 2 for **\$7.95!**



REMINGTON 500 SERIES

.22 caliber magazines, 5 shot. New. Only **\$1.00** ea., 2 for **\$1.75**, 3 for **\$2.25**.

NOW — SPECIAL PRICE!
SPRINGFIELD 3 BLADE screw-drivers as issued.
New **\$1.00** ppd.



GARAND RIFLE CONVERSION KIT

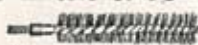
reduces to 5 shots, only way to make Garand fully legal for hunting in most states, (easily installed & removed). Set, complete with special follower & 2 five shot clips, **\$3.95**. Extra 5 shot clips, **95¢** ea. Standard 8 shot clips, **\$2.00** per dozen.



REDFIELD JR. SCOPE RINGS: Solid steel, $\frac{1}{4}$ " dia. only. Fits all Redfield Jr. bases. Very special **\$1.95** per pr.

SAVE \$8.25 in lots of 75

.50 Cal. bronze brushes



for serious cleaning. The extra size makes cleaning bore fast & easy. For all standard rods. Long Lasting. 25 brushes **\$1.75**; 75 brushes **\$3.00**.



WINCHESTER '73 PARTS

Winchester 73 Extractors—new, **\$2.50** ppd.; 73 firing pins (state caliber) **\$3.75**. (Write for other 73 parts)

SCHUETZEN OPEN REAR SIGHT

Fine "V" notch, micrometer windage & elevation adjustments. Sweat-on or screw down, or both. Pre-tuned for easy mounting. All round barrels. For shooters who don't like deep rear sights, but still want fine adjustments. **\$2.25** ea.



SPECIAL!
U.S. GARAND FLASH HIDERS
(M-2) as issued. New. **\$2.95** plus 30¢ post.



LARGE IVORY BEAD SHOT-GUN FRONT SIGHTS

Improves hits. Special—4 beads for **\$1.00**

GARAND TOOL



WORTH ANYTHING WHEN NEEDED

In field or on range, this ordnance tool may be needed at any time—for bolt disassembly, because of poor extraction with fouled chamber or for rifle takedown. "Similar to Illus., only latest model with broom brush end". Fits conveniently in butt trap—keep shooting, a good investment. As issued, Only **\$1.00** ea. (Good to carry with gun—new firing pin—**\$1.25**, new extractor—**\$1.25**)

INSTANT GUN BLUE



"FORMULA 44-40" NOW USED IN EVERY U.S. GUN PLANT AND MANY ABROAD. New industrial uses found daily in aircraft, submarines, clocks, etc. **NEW HIGH-SPEED FORMULA** gives even better results... takes seconds to apply... beautiful, protects. Used cold, nothing complicated. Deep blue permanent finish. Actually penetrates the steel. Used by gun factories and gunsmiths everywhere. Guaranteed to be the best cold blue you ever used—or your money back.

3 GUN SIZE **\$2.00** ppd.
1 pint INDUSTRIAL GUNSMITH SIZE **\$7.50** ppd.



SPRINGFIELD 1903

MILLED T. GUARD & FLOOR PLATE

Complete with catch, pin & spring, steel, not aluminum, specify blue or parkerized. **\$6.20** complete. (Guard alone, **\$3.95**, "P" Plate alone, **\$2.25**, milled follower, **\$1.00**, spring **50¢**)



CARBINE REAR SIGHTS

adjustable for windage & elevation, fits all U. S. Carbine, slides into receiver dovetail—2 minutes to install, as issued, **\$1.85** ppd.

SPRINGFIELD A3 SIGHTS. Similar to above, for 1903A3 only—new, issued **\$1.85** ppd.

NOT \$5.00

ONLY \$1.49



HOODED TARGET FRONT SIGHTS

Standard dovetail—interchangeable inserts included. For .30-06 or small bore. From discontinued Target rifle of largest U. S. maker. At a 70% discount! **\$1.49** ea. **\$12.00** per dozen



SPRINGFIELD 1903 RIFLE

One piece safety firing pin, with crisp speed lock action. Just seconds to install, no laborious taking apart of old firing pin. Really safe, does not depend on tiny wire clips. True hammer type with solid safety shoulder. Lock time reduced by nearly 50%. Speed mainspring of special Austrian steel **\$3.75**



BIPODS (for B.A.R.). Often used on heavy target and varmint guns. Legs adjust for height, and fold-up against barrel. Excellent. **\$3.95** plus 40¢ postage.

LYMAN 57A REAR SIGHTS

SAVE ALMOST 50%—NEW \$4.50



STANDARD DOVETAIL OPEN REAR SIGHTS

one folding with windage adjust., other regular. Both **\$1.00**



LYMAN 17A GLOBE FRONT SIGHTS. Save **\$1.26** ea. during this special offer. Complete with box of inserts. Only **\$2.25** ppd. (Dealers: **\$20.00** per doz.)

ASTOUNDING!

Quickly installed sight set. Streamlined front ramp with sight. Rear sight with both windage & elevation built in. Both installed by simply tightening Allen set screw. Front .560 I.D., rear .775 I.D. Plenty of wall thickness for reaming to all popular sizes. Blued, ready to install, **ONLY \$2.95** for complete set!



ONLY \$2.95

As found on Colt Sporting Rifles



SHOTGUN BEADS DO GET LOST & BROKEN

Here's a packet of 10 large bead (standard 4/40 thread) sights for usual price of just one, **ONLY \$1.00** per Packet **50¢**

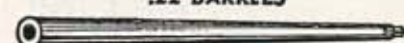
Tap for above, 4/40

BREECH OIL & THONG SET.

For Springfield, Garand, Enfield & Krag, fits in butt, nickel brass, not plastic, as issued, excellent, complete with cleaning brush, thong, oil applicator **\$1.00** ppd.

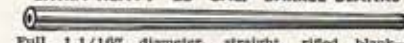


ANOTHER NUMRICH SUPER SPECIAL HEAVY-LONG SUPER TARGET .22 BARRELS



NEW REMINGTON MATCHMASTER BARRELS. for use as barrel blanks or on Remington guns in the 500 series, 20" long, $13/16$ " diameter, all polished and blued, chambered for .22 L. R., 6 groove rifling. Each barrel trued, tested and serial numbered by Remington. The pride of Remington's barrel makers. Even if you do not NOW have a gun for rebarreling, you will in the future—may we suggest you pick up 1 or 2 of these at this exceptional price before they are gone! High strength steel, suitable for center fire calibers, fine for target pistol barrels. Originally made for the 513 Target rifles **Special \$4.95** plus 50¢ post. (Ramp & front sight for above) **\$1.25**

EXTRA HEAVY 22 CAL. BARREL BLANKS



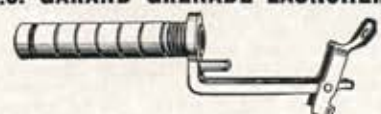
Full $1 1/16$ " diameter, straight, rifled blank—6 groove for super accuracy. 27" long—large diameter makes adaptable for most rim or center fire actions. 1 turn in 14" **only \$7.95** plus 70¢ (Chambering for .22 L.R. only, add **\$1.00**)

ORDNANCE TOOLS for U.S. Carbines

GAS PISTON NUT WRENCH, essential for removing gas piston for cleaning **\$1.00**



U.S. GARAND GRENADE LAUNCHERS



Unused. As issued **\$1.95** plus 30¢ post.

.44 CALIBER BARREL BLANKS

27" long X $1 1/8$ " dia. Used for 44/40 & .44 Spec. High alloy steel, adaptable to Win. '02, 1873, 6 groove rifling, Marlin pistol barrels etc., **\$8.50** plus 70¢ post.

RIOT!

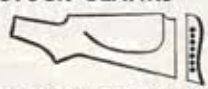
These shotgun barrels should cause one at these prices! **ABOUT 12% DISCOUNT**—buy an extra, ideal for slug & brush work. 20" cyl. bore, all 12 ga., new, blued, Winchester Mdl. 12 **\$4.95**
Winchester Mdl. '02—Solid Frame **\$4.95**
Winchester Mdl. '97—take-down—complete with fitted bushing **\$6.95**

WANTED! Broken, incomplete guns!

All kinds for usable parts. We buy lots of 1 to 1000 pieces at HIGH prices. We must have parts and the only way to get many of them is by breaking up used guns. Ship off for our offer. Check airmailed day shipment received. Merchandise returned prepaid if offer not satisfactory.

MONTE CARLO STOCK BLANKS

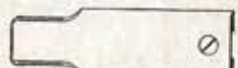
For old Model Rem. 11 (front safety) and Sav. 720 auto loaders. Rough inletted, outside needs finish sanding. Can be used for later Model 11 (rear safe.) by inletting deeper. W/cheek piece. Rubber ventilated recoil pad included **FREE**. Made by mfr. for their deluxe skeet & trap guns. Walnut. Only **\$3.95** plus 40¢ post.



WINCHESTER MODEL 73

DUST COVERS

complete with slide & screw **\$3.75**



NEW .45 BARRELS

auto, 1911 & A1 **\$6.95**



.45 AUTO MAGAZINES FREE CASE !!

made 1954 of new steel spec., superior to any made previously. New, in orig. wrap, **\$1.95** ea.—2 for **\$3.50**. **NOTE:** When 2 are ordered, new web carrying case included **FREE**.



SATISFACTION ALWAYS GUARANTEED

We have some 20,000,000 gun parts in over 27,000 sq. ft. of storage space—modern, obsolete, foreign—advise wants for free quotation.

NUMRICH ARMS CORPORATION

WEST HURLEY 1, NEW YORK



.22 CALIBER
\$695

The skilled hand of the German gunsmith is responsible for this .22 caliber, 6-shot repeater automatic with self-ejecting clip. Just 4" long, fits easily into pocket or purse. Ideal for sporting events, stage use, (not available to Calif. residents). Not a lethal weapon. Sold on money back guarantee. Comes for \$6.95 p.p.d. from **Best Values**, Dept. A-282, 403 Market, Newark, New Jersey.

THE In-built Streamline MUZZLE BRAKE

U.S. Pat.—Canadian pending
Complete job as shown for
Most guns \$25

The one and only **STREAMLINE** Anti-recoil Gun Barrel. The muzzle brake that is precision machined into your rifle barrel, avoiding unsightly hang-ons. Controlled escape for highest kinetic braking, minimum blast effect and jump elimination. All but prevents jet thrust (secondary recoil). Guaranteed Workmanship. **FOLDER**. Dealer discounts.

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NEW ... from STITH!

"PULL BUTTON" SLING SWIVEL

JUST PULL THE BUTTON

The best Q.D. Swivel you'll ever own! Strong 1-piece machined from solid Alcoa 75-T6. Natural color, satin finish. 1" size only.

SET **\$375**
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Works in seconds! **Loosens Rusted Bolts**
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"Loosens 'frozen' parts of RODS, REELS, GUNS, OUTBOARD MOTORS, etc." AT HARDWARE STORES, GARAGES, FILLING STATIONS EVERYWHERE

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SEND FOR THE CATALOG OF THE RIFLE STOCKS WHICH ARE THE FAVORITES OF BOTH EXPERIENCED HUNTERS AND TARGET SHOOTERS.

Dealer inquiries invited on printed letterhead.

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Los Angeles 16, California

(Continued from page 60)

WRONG or, as we don't like to say but must at times, DEAD wrong. Now, a rocking sear that is released by a minor movement of the trigger has been introduced into the firing pin functioning, and will be coming out on Savages soon. With this design is a new safety which works off the top like a shotgun tang job instead of that lever locking gadget they have had for eons. All this is by way of introducing a "guest editorial" from western rifleman Allyn Tedmon who, obviously, approves the Savage dropping-sliding breech design:

RELOADING FOR THE MODEL '99

It seems impossible to sufficiently impress many rifle shooters and "experts" with the fact that the Model 99 Savage rifle is not just another ordinary thutty-thutty lever action. The fact is that the Model 99 is the only lever operated repeating rifle ever made in the USA, commercially, that has successfully handled cartridges of the high intensity type, over a period of not less than 45 years. With the recent advent of the Winchester Model 88 we now have two lever operated magazine rifles that are in a class by themselves and that can in no way be compared, except that they operate with a lever, with our other well known and popular lever action hunting rifles.

The Model 99 action is very simple and it is extremely strong. Nearest thing to a blown Model 99 I have ever seen, or know of was a .22 Hi-Power that was brought in to the late C. E. (Ed) Howard, the noted North Park, Colo., rifleman who was a close friend of the late Charles Newton, too many years ago. Ed's best guess was that an awful load of some pistol powder had been dumped into that fatal case. However, regardless of the big BANG!, all that happened was to blow off the extractor and make kindling wood of the stock and forearm. The action when I saw it was just as good as ever. Again, I have a clipping from Outdoor Life (of 1917, I think) in which the late Charles Askins, Senior, in reply to some fellow who had the pressure of the .250-3000 Savage cartridge in mind wrote: "The Savage bolt, so I am told by the people who made it, has been tested with a breech pressure of 150,000 pounds, the barrel ultimately flying to flinders, but the action remaining intact." In other words 150,000 pounds had no effect on the bolt. All of this has been brought about by the printed reply, several months ago, by a certain "expert" to a Model 99 owner who was having troubles with reloaded .250-3000 ammunition in a Model 99 Savage rifle. (It appeared to me that the other fellow who

did the loading, not the owner, no doubt used cases having been fired in some other .250 rifle.) Anyway, said "expert" told the troubled rifleman that as for all lever action rifles, to reload the cases they must be full-length resized. Having reloaded the .250 Savage for over 40 years—I have three of them—this reply irked me.

In the first place, as a general statement, it is no more necessary to resize .250 cases fired in a good Model 99 for use in the same rifle, than those fired in a bolt action. The only resizing usually necessary, where cases fitting the chamber are being used, is neck resizing. There is to all practical purposes no more case stretch in a good Model 99 than in the ordinary bolt action, regardless what apparently uninformed "experts" say or think.

To make the story short, Savage engineers ran a test for Capt. E. C. Crossman, using a Model 99 in .300 Savage caliber which, as Crossman pointed out, developed the same pressure and thrust on the bolt head as the .30-06 Springfield as then loaded. This consisted of firing 500 rounds of 150 grain, and 500 rounds of the 180 grain bullet ammo. To quote Crossman: "The rifle was checked for headspace at the start of each test and then through it. All firing in strings of 20 shots, all strings caught on the target." The 20 shot strings—not 5 or 10 shot—gave a mean of 3 inches at 100 yards, which is high class hunting accuracy.

"At the end of the thousand shots, through this rifle," Crossman wrote, "the headspace had increased 27/10,000 inch, or slightly less than three-thousandths. This is less than half of the tolerance allowed in these rifles when new, or about 5/1000 inch from 'go' to 'no go' in gauging them; hence, it is of no importance whatever." The engineers said that this minute set-back occurs during the first few hundred rounds and then ceases permanently. And a thousand rounds of high power ammo is more than the average deer hunter will fire in his lifetime.

And if you think this a lot of hoovey don't forget that the Model 99 not only comes in .250 and .300, but also the .243, .308 and .358 new Winchester loads that run still higher in pressure. The Model 99 and the Winchester Model 88 are not bench rest rifles, but they will more than compare in every way with the regular issue bolt action sporters, in same calibers of course. And if you still think the Model 99 just another lever deer rifle—you and our 1873 vintage "experts"—play fair, just give the grand rifle a fair break. You might be surprised. —Allyn Tedman.

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ELMER KEITH SAYS

(Continued from page 9)

in for the load. In most all cases we have found the larger bore rifles shoot hard gas-check bullets much more accurately than do .30 and smaller calibers.

Blond Remington Sportsman 58

For some months we have been shooting magpies with a blond Remington Sportsman 58 skeet gun. It is a splendid gun in every respect, with elevated ventilated rib, ivory bead front and mid-barrel sights on a 26" Skeet bored barrel. Stock and foreend are nicely checkered, light-colored wood, maple, or at least maple color. The trigger, action pins, the dial on front of foreend cap, and the action button are gold plated. Receiver is engraved and blued. The gun is perfectly stocked for most shooters, and the gun handles very fast. The dial on the foreend cap can be set in an instant for either light or heavy loads, and we fired it with about everything in 2 3/4" length, from light No. 9 skeet loads to 1 1/2 ounce magnum loads. It functioned perfectly with all loads used.

A magpie has no chance out to 40 yards with regular skeet loads of No. 9 shot if you do your part in gun pointing. The gun shoots right where it looks, which is not true of all shotguns. The magazine is very easy and fast to reload, as you merely press the shell down on the rear end of the carrier trip, which unlatches it and allows the loads to slide easily into the magazine. Safety is the usual cross-button type at rear of trigger guard. It is one of the most streamlined of all automatic shotguns. The action release button is on bottom rear end of carrier, and not only releases the action block and allows it to go forward into battery, but also releases the carrier for loading more shells into the magazine; a very handy arrangement.

After several months usage, I like this gun about the best of any auto-loader I have ever used. It is simple, light, and seemingly fool-proof. It takes down very quickly by removing the foreend cap and simply pulling the barrel forward out of the action. For anyone wanting an auto loading shotgun, we highly recommend the Remington Sportsman 58.

Canadian Gun Service & Supplies

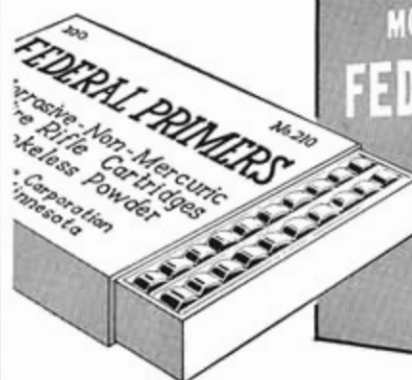
Elwood Epps of Clinton, Ontario, Canada, offers complete gunsmithing service to all Canadians as well as to others in all parts of the world. He not only carries a very large stock of new and used arms but remodels military rifles as well. He specializes in remodeling good .303 British Enfields with fancy cheek-piece sporter stocks, scope sights, etc. He also carries complete lines of arms, from the new Weatherby magnums to commercially made lines, as well as ammunition, reloading equipment and components—in fact everything for the sportsman. GUNS readers living in Canada and needing shooting equipment will do well to contact Mr. Epps.

Colt Buntline Scout .22 WRFM

The Colt Frontier Scout, Buntline Scout, and Officers Model Match are now all chambered for the new .22 WRF Magnum. The Colteer single shot rifle will also be furnished. (Continued on page 65)

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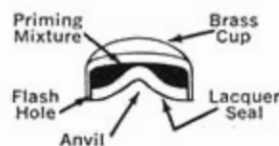
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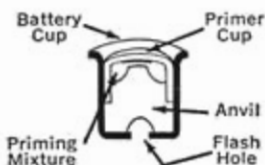
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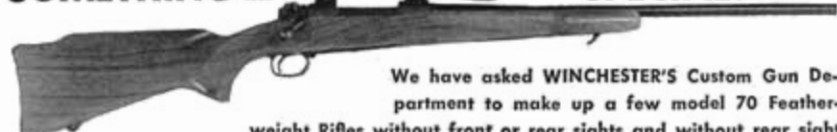


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nished for the new cartridge. This Colt Buntline Scout has a 9½" barrel and should give maximum sixgun velocity to the cartridge. Ruger and Colt, we understand, use a 14" twist of rifling, while Smith & Wesson use a 10-inch twist. A turn in 16 inches is and has long been standard for the .22 L.R., and is supposed to be also for the new .22 Magnum cartridge when used in rifles. However, factory experiment has shown a sharper twist is needed for best results in hand guns.

This Buntline Colt follows exactly the lines of the Colt Buntline .45 Single Action, and is a very fine understudy for those using that arm. It balances well in spite of the long barrel. Thousands of single action quick draw fans prefer a smooth, standard shaped single action revolver with very low fixed sights, that can be used for their hammer draw and for fanning as well. The little Buntline Scout and the Frontier Scout in either .22 L.R. or 22 Magnum follow these lines. The little gun has a cast one-piece grip frame, the usual Colt black rubber grips, and a flat main spring. The firing pin is, however, separate from the hammer and far better adapted to any high velocity load than the old fixed firing pin on the hammer of the standard center fire S.A.

As this gun came from the factory, the trigger pull was too hard for me to give it a fair test. It also shot very high. So I had Eddie Schaller, our local gunsmith, work the trigger pull down to a respectable 3¼ pounds, and weld more metal on top of the front sight. Then the little gun shot beautifully. I shot several excellent groups with it at 15 to 20 yards, and also did a lot of shooting out to 400 yards with it. It is a very accurate gun. I would prefer good adjustable target sights on any and all sixguns except pocket guns for hip shooting only.

The gun cocks smooth and easy, and the lighter mainspring does not seem to jar the gun in hammer fall. It functioned perfectly at all times. Extraction of a single case at a time was free and easy. With its long barrel and maximum sixgun velocity, it should prove a very fine small game gun. It is also a fine understudy for the .45 Colt Buntline for long range sixgun practice. The little pill does not throw up as much dust as do the heavier slugs of centerfire cartridges for long range work, but I had no trouble keeping it on a car fender at 400 yards with two-hand-rest position. Had the gun been fitted with good target sights I know I could do even better with it. The standard old rear sight notch is far from the best for any careful long range shooting, as it reflects side lights too much.

Cartridge heads are recessed in the cylinder, and there is ample room to let the hammer down on the firing pin between cartridge heads, in case you want six cartridges in the gun. Cocking it just past the half-cock notch will actuate the hand and bring a cartridge under the firing pin.

We found standard .22 W.R.F. ammunition okay for the Colt in case anyone wanted cheaper ammunition. The chambers will have to be scrubbed out with a brass brush and solvent after each use of the shorter case, but at 15 yards they shoot in the same group and would be ample for frogs, cottontails, and similar very small game. For tough old fox squirrels, chucks, grouse, and jack rabbits, I would favor the Magnum load. Many local hill billies who have seen the little gun want one for a grouse and rabbit gun. Price

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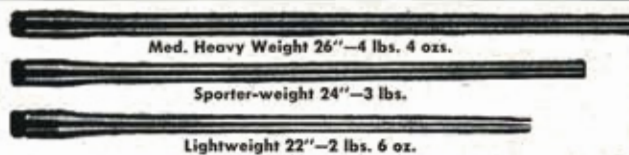
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235 Grain Keith Hollow Point .44 Magnum on Deer

Last Oct. 30th, I killed my mule buck, a small one, with the 4" Smith & Wesson .44 Magnum. Range was probably 225 to 250 yards. Witnesses: Hugh Dunkin, his son Norman, and wife Mary. Position: seated, two-hand-rest.

I held up too much front sight over the rear blade the first shot, and went over the buck. We saw strike of the bullet over his shoulders. The deer moved into a jam of fallen logs, and I held a trifle less front sight up for the second shot, perching his shoulders over top center of the front sight. This time, I hit him, and he lurched

farther into the log jam. We could not see strike of third and fourth shots, but the buck moved out into tall grass.

The fifth shot hit again, and the buck jumped into a hard run, with head carried low. But he went only about 30 yards and piled up.

Bullets were cast by W. G. Murphy of San Francisco, and were copper coated 235 grain Keith Hollow point. Powder charge was 22 grains Hercules 2400. Remaining velocity was far too low at that range from a 4" barrel gun to expand the hollow point. The first slug went through the center of the left fore leg just below the chest, the fifth slug went through the right shoulder, just over the heart, and out behind the left foreleg. No expansion of either bullet; just .44 caliber clean holes through the buck; no meat damaged or wasted. This experience clearly illustrates the loss in velocity from the longer 6½" barrel.

Son Ted killed his mule deer with his Smith & Wesson 5" 1950 Target .44 Special and my 250 grain bullet backed by 18.5

grains 2400, at about 30 yards range. The bullet wound channel was much larger through his deer.

Bob Moody, of Moody's Reloading Service of Helena, Mont., has for years used his 6½" 1950 Target .44 Special S & W and my 235 grain hollow point with 18.5 grains 2400 to kill his annual mule buck, and he reports excellent expansion of my hollow point in most cases, even out at 200 yards. While the 4" .44 Magnum is the ideal peace officers and police gun, this experience clearly shows that the 6½" or 8½" S & W or the 7½" Ruger Dragoon would be far better for shooting any big game at such ranges. I was fishing for steelhead, had only my 4" S & W with me, and, as the Frenchman said, "I had to do with what I had to do with".

These same 235 grain Keith Hollow points with 18.5 grains 2400 from a 6½" Triple Lock .44 Special will simply demolish a jack rabbit at 50 yards. If the big bunny is shot in the rump, you will have the hind legs and a strip of skin left.

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