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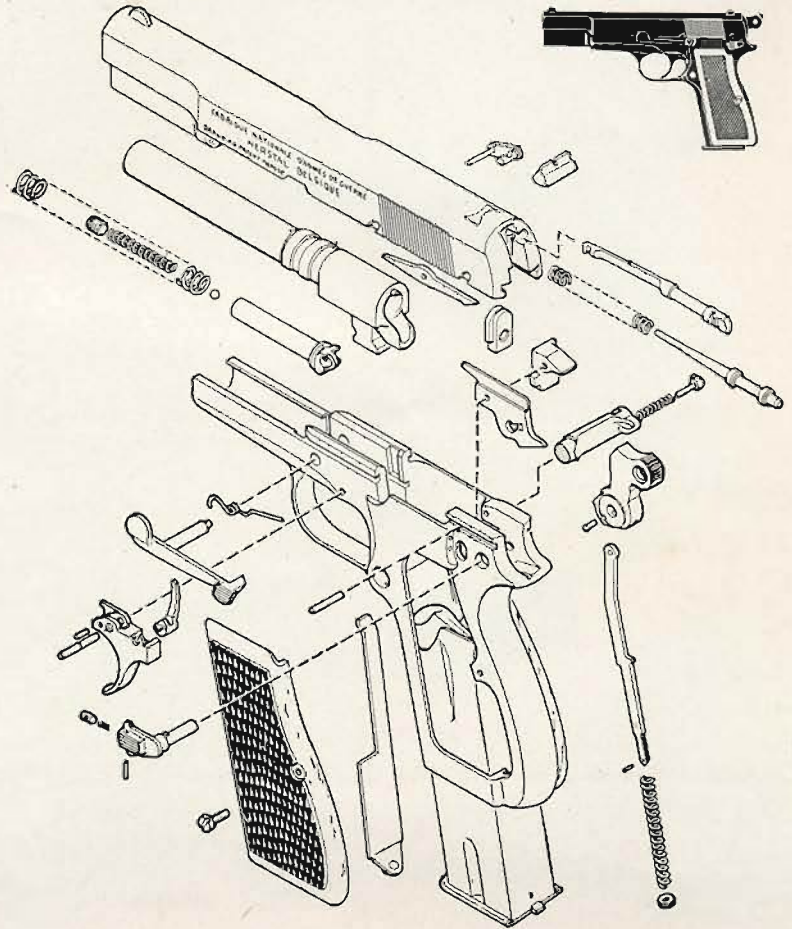
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AN INSIDE LOOK

AT THE BROWNING M-35 PISTOL

By SHELLEY BRAVERMAN



DESIGNED in 1923, the patent for the last pistol of John M. Browning was granted in 1927, three months after the inventor's death. Introduced in 1935, the gun is commonly called the M-35. It is also known as the "13-shot," the "Browning High Power." "Browning 9 mm Parabellum." It is the standard side arm of many of the NATO countries, it is also available commercially.

The original magazine accepted 15 cartridges, resulting in a 16-shot pistol. Production guns have a 13-shot magazine. It is curious to note that two very old features were included in this modern gun: the staggered magazine was used in early Bergmanns and the Simplex almost 70 years ago, and the idea of the "Travelling-disconnector" was used by the early Borchardt and adopted by the Luger! (The sear-lever of these guns was contained in the slide, rather than the frame.)

Variants include models with adjustable rear sights (these have adjustable

front sights), models with fixed front and rear sights, models with a magazine safety, and models with a milled dovetail in butt to accept a detachable shoulder stock. The gun was made by Fabrique Nationale (Belgium) and by Inglis (Canada).

Take-down is simple: a) Remove magazine; b) Lock slide in rearmost position with safety lever; c) Slide-stop may now be pushed up slightly, and withdrawn to left; d) Slide may now be eased off frame by holding firmly as safety is disengaged.

The Armory of the Utah National Guard (at Ogden) displays the inventor's Original Models of this important gun; Items Nos. 79, 80, and 81.

Since WW II, Browning has added a highly decorated version of this gun, suited for presentation purposes, and called the Renaissance Model. Most parts are interchangeable, code designations being "S" for Standard and "R" for Renaissance.

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Guns

FINEST IN THE FIREARMS FIELD

AUGUST, 1962

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THE COVER

The Kentucky rifle and the buckskin clad man holding it are reminiscent of the days when American history was being made by such men and such rifles. The man is a member of the Tennessee Long Rifles, a group dedicated to the preservation of memories of America's youth. The picture was taken by H. C. Grayson, of Knoxville, Tennessee.

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GUN RACK



Red Jet Correction

In the May report on these wonderful practice "bullets" made by CCI, the printers' devils were at work. Primer pocket enlargement should of course be done with a 1/8 or 9/64 drill and not a 3/16 drill—there ain't no such thing. If, by the way, you have trouble getting the Red Jet bullets, be patient—CCI is trying to satisfy the huge and unprecedented demand as fast as possible, but they are having trouble keeping sporting goods stores stocked with them.

Browning Pistols

Browning is now on the market with three new .22 caliber semi-automatic pistols: the Nomad, priced at \$49.95; the Challenger, at \$64.95; and the Medallist, retailing for \$112.95. All guns are chambered for the .22 LR. The Nomad can be considered a plinker or beginner's gun, the Challenger could be classed as junior target gun, while the Medallist is strictly for the serious target shooter. We saw and examined an advance model of the Challenger and believe that this gun will appeal to all pistol shooters, especially the competitive marksman.



Challenger, Medallist, and Nomad, top to bottom, are Browning's new guns.

We tested a Nomad extensively and found it to be a fine gun that performed very well. Accuracy at 25 yards with gusty crosswinds of 25 or more miles per hour from the off-hand position was 3 1/2 inches, ample for plinking and good enough for the beginner. For the beginning shooter with an interest in target shooting the Nomad by Browning merits consideration.

The Nomad comes in a choice of barrel lengths, either 4 1/2" or 6 1/2". The weight for the shorter model is 26 ounces; for the longer barrel job, 29 ounces. The wide plastic grip is very comfortable, the extra wide trigger is crisp and broke repeatedly at exactly 3 pounds and 2 ounces; the thumb safety is positive and easily reached, the fixed rear sight is adjustable for windage and elevation. Field stripping the gun is simple,

but a good screwdriver is essential. Our only complaint is that the gun does not stay open on the last shot, nor is there any provision to retain the slide in the rearward position—a safety feature that we missed.

The Challenger model has a fully adjustable trigger pull, wooden stocks, a steel frame in contrast to the Nomad where the frame is a lightweight alloy. This model and the target gun have an automatic and manual stop open latch.

As soon as the advance model of the Medallist arrives for tests, we shall report on it in detail.

The Combo

If you are seeking a gun for plinking or small game hunting, for the entire family as fun gun, this is one you should consider. Based on the Unique Pistol Model L, made in France and imported by Firearms International Corp., an American walnut stock can be fitted to the pistol in a few seconds and you are then ready for rifle shooting.

The Unique pistol is a highly compact .22 rim-fire semi-automatic with standard features that grouped from a rest at 50 yards just slightly under 2 1/4 inches. Lock the slide back, remove the magazine, push the barrel backwards (thus removing it from the frame), and you are ready to insert the Unique in the carbine-type stock and barrel assembly that FI makes available for \$25. Insert the clip, close the slide and you are ready for rifle shooting.

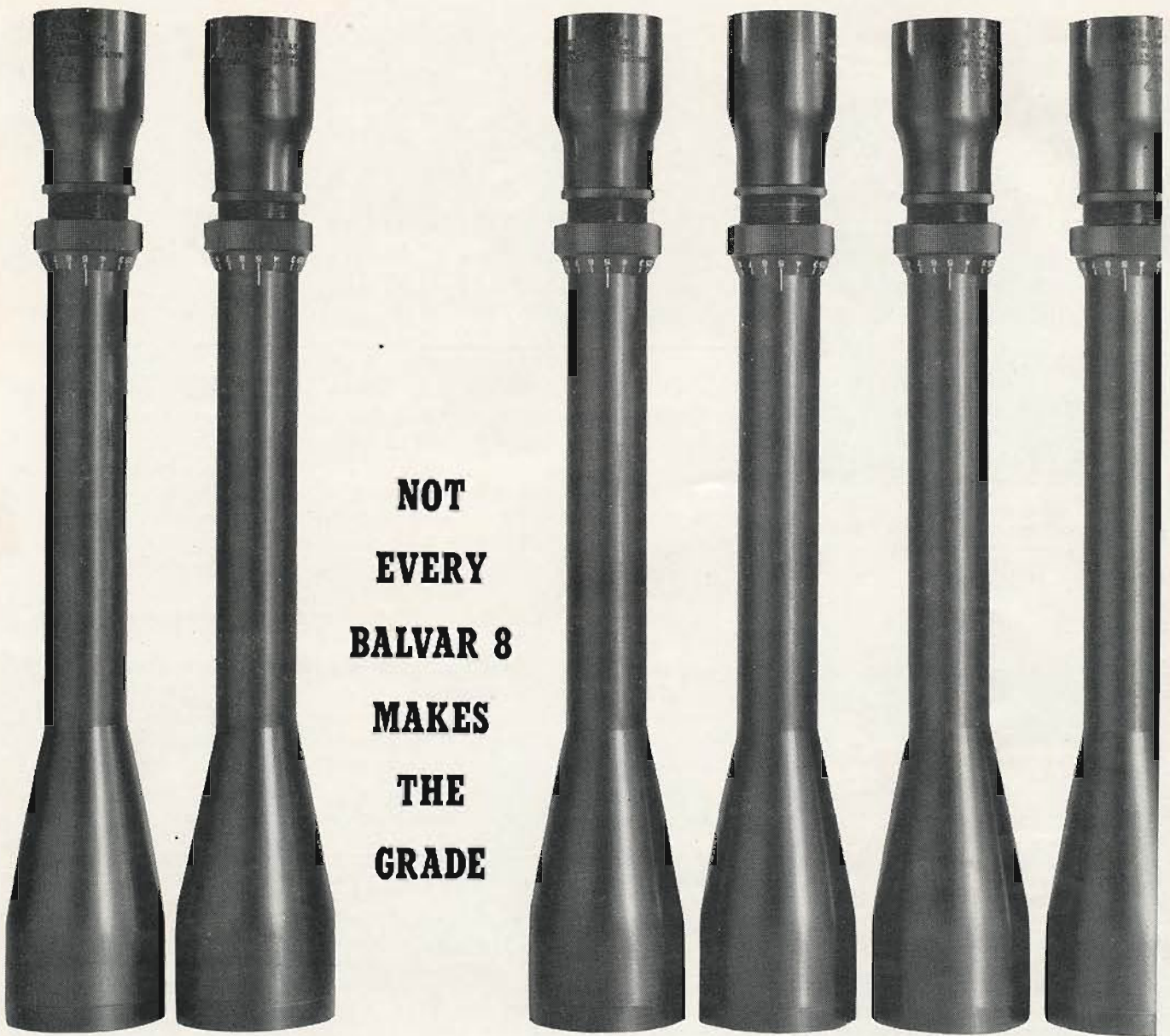
Although the arrangement appears to some as clumsy, the feel is very much like that of a heavier rifle, with the exception that the grip of the pistol doubles as a hold for the right hand. The best comparison offered was that it handles like a submachine gun, though of course, it is semi-auto.

To change from rifle to pistol, retract the slide with the push rod, remove the magazine, push forward on the butt of the pistol, replace pistol barrel and magazine—and presto there is the Unique again.

The Combo stock is well-finished and well-proportioned. There are rails for a scope mount and everything has been done to make the gun a real pleasure to shoot. Even the price is a pleasant surprise—complete with Unique pistol and wooden Combo stock the damage to the pocketbook is only \$64.95.

It should be noted that each pistol is fitted to the stock-barrel unit and thus pistols now on the market may not fit the Combo assembly. Iron sights on the stock appeared to some shooters a bit higher than needed, but we could not agree with this, especially when we were able to keep all shots in the black at 50 yards from the off-hand position.

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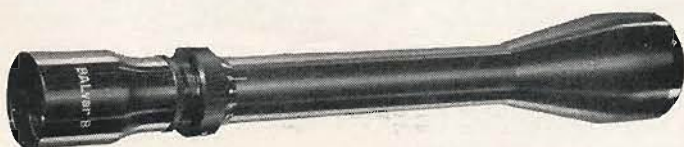
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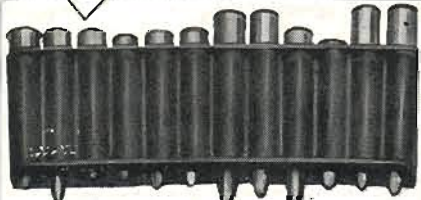
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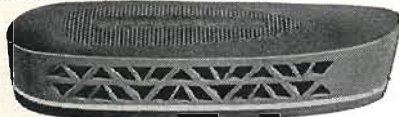
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Wants Letters

Congratulations to you for your fine magazine, to which I subscribe. I particularly enjoy the articles regarding anti-gun legislation.

Kangaroos, ducks, rabbits, and pest birds are the main targets for hunters' guns here. I use a Model 1892 Winchester .44-40, which I find quite adequate for 'roos, as the country around here is fairly thick scrub and timber, and a high powered rifle is not warranted.

If any of your readers would like to swap notes on shooting experiences, I would be only too pleased to answer any letters I receive. My active interests include pistol shooting (I belong to Bunbury Pistol Club), hunting, and handloading; but I am interested in all types of guns and shooting.

Bevan Harewood
Boyanup, Western Australia
Australia

Different Times, Different Targets?

In an article titled "Mail Order Weapons For Hoods" in the Decatur (Illinois) "Herald," Ralph McGill (whose byline is followed by the word "Atlanta," presumably his address), blasts private ownership of guns and accuses the National Rifle Association "of the responsibility for the fact that any thug, murderer, or robber finds it easy to possess weapons . . . The NRA and a good many affiliated Americans act as if the industrial urban America of today was still the old frontier when all a man had to do to knock over a buffalo or a bear was to walk out on his front porch. In the increasingly

urban areas of today, we need really severe laws covering possession or rifles, pistols, and machine guns."

Heaven help us when such attitudes are given space in print! Constitutional rights remain even in "the industrial urban America of today." I suppose that includes even the right of men like McGill to exercise free speech, but articles like this should be challenged with articles defending our rights to own guns for sport and defense. You can't knock over a buffalo from many front porches today, but any good marksman in many an urban area could easily knock over a hood, armed with one of the (already illegal!) machine guns!

You have a very good magazine which merits the support of all sportsmen and all good American citizens.

John E. Moulton
Vandalia, Ill.

The Decatur (Illinois) "Herald" must need filler material badly to draw it from as far afield as Atlanta. In view of this need, why not submerge them with articles relating the results of anti-firearms legislation in now-occupied countries abroad.—Editor

Lawmaker On Our Side

The following item in the Cincinnati "Post" of April 17, 1962, is heartening:

Washington (UPI): Representative William H. Harsha (R., Ohio) says that strict registration of all firearms might be bad thing for the country.

"A bill for the registration of firearms is one of the final steps that Communists

(Continued on page 14)



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See your *Weatherby* dealer

(Continued from page 6)

Remington Guns

We recently reported on Remington's bolt action Nylon rifle. We have now concluded our tests on the short (two-inch throw) lever action rifle which is very much in line with Remington's style set for Nylon guns. The Nylon 76 or Trail Rider is a .22 rim-fire gun that weighs only 4½ pounds and holds 14 long rifle cartridges, the only cartridge-size this gun will handle. Despite its lack of weight, the gun shot well and functioned smoothly. The Model 76 is 38½ inches long, barrel length is 19½ inches, and the tubular magazine is loaded through the butt plate. The gun retails for \$59.95.

The much talked-about 7 mm Magnum in the new Remington style, called Model 700 ADL for the standard grade, has finally made its appearance. Not only is the 7 mm Magnum a new caliber for Remington, but it comes to us in a completely new line of guns.



Remington Model 700 ADL.

The series 700 will replace the present Models 721, 722, and 725. This is not merely a minor change in style and numbering; this is a brand new gun with several outstanding features.

Externally, the gun is finished to a much greater degree than its predecessors were. The checkering is very pleasing, the pistol grips fits well, the Monte Carlo comb allows a quick shift of the eye from scope to iron sight, which has also been redesigned. We understand that the checkering is not actually a checkering in the way it is normally understood, but that the effect is created by a die being forced into the wood—a novel way that gives very neat appearing results.

Further changes are in barrel length. In all but the two magnum calibers (.264M and 7 mm), barrels have been reduced to 20 inches, in the magnums to 24 inches. By doing away with the hinged floor plate in the ADL series, greater rigidity is obtained and a weight reduction is achieved. Both are praiseworthy alterations. Weight-wise, the .222 weighs in at about 6½ pounds, the magnums at 7¾ pounds. The action completely encases the cartridge head, and two over-size locking lugs add extra strength. The safety is virtually noiseless, and bolt handles have been checkered.

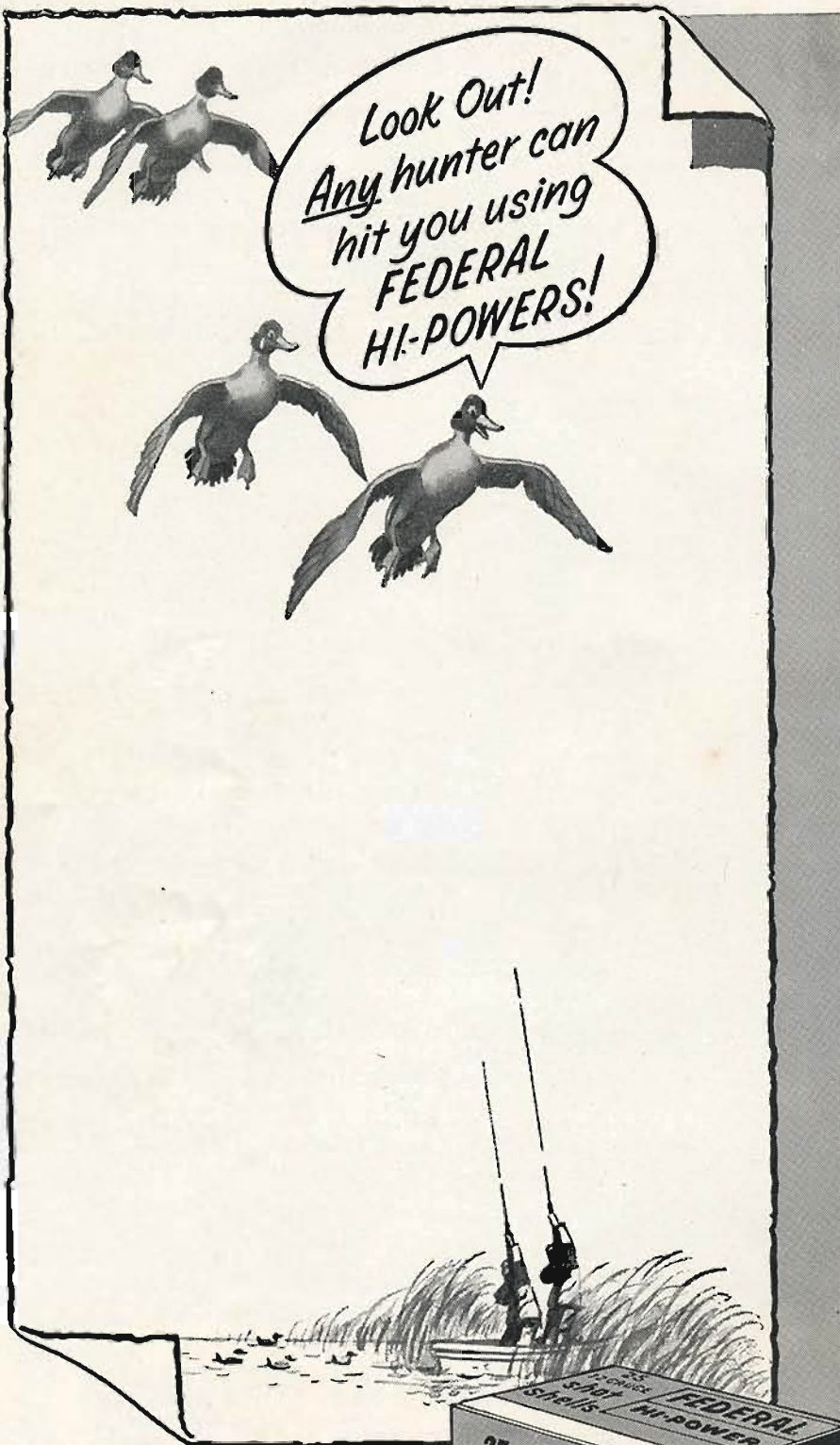


Remington Model 700 BDL.

The BDL series is somewhat fancier and heavier, and is available in the same calibers as the ADL, plus the venerable .375 H&H Magnum and the .458 Win. Magnum. The latter calibers have 26 inch tubes and come equipped with muzzle brakes. It was interesting to see shooters at the range look the gun over, only to guess at the maker's name. Not one even came close, and all had to be shown the Remington name to be convinced.

We mounted a 4X Lyman Perma-Center scope on the gun and sighted in with the Sweany Site-A-Line for 100 yards. The first

(Continued on page 62)

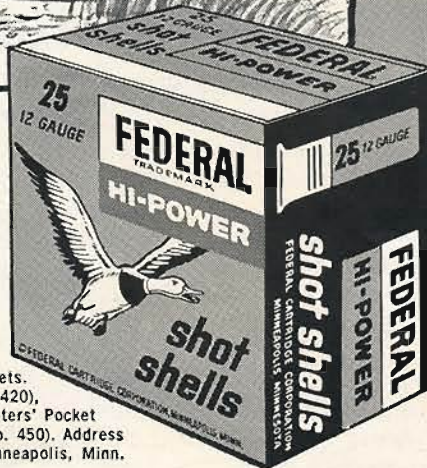


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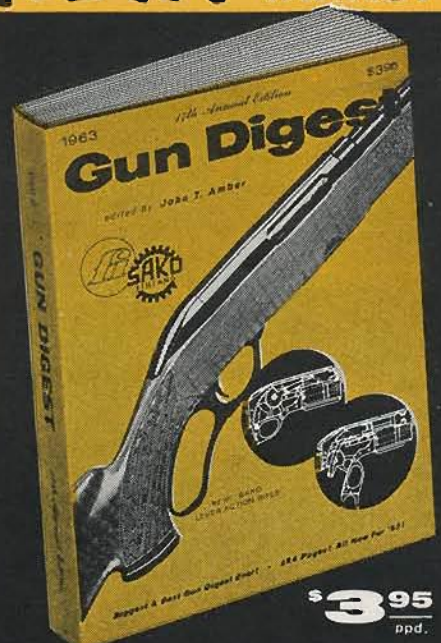


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LET'S COLLECT CARTRIDGES by Stuart Miller
Outlines the basics of this most interesting branch of the gun collecting field. How to start, where to buy and trade, how to care for cartridges, and many other tips are all part of this authoritative article.



MAGNUM PERFORMANCE WITH LIGHT SHOTGUN HANDLOADS by Francis Sell
Sell contends that you, too, can get Magnum performance with light shotgun handloads, and his hunting records back up his contention.

SHOTGUN HISTORY by James Serven
Recalls the long and glorious saga of the scattergun — from the earliest muzzle-loaders and their use as providers of meat for the table to modern day sporting arms. Both European and U. S. shotguns are covered.

CARIBOU! by Bradford Angier
Provides you with all the thrills of hunting the game that carries one of the most magnificent racks in North America. Guns and loads are covered, too.

HANDLOADING THE 22 JET AND THE S&W MASTER PISTOL by Kent Bellah
His years of reloading experience are put to work as he gives you the latest word on loading for these two.

THE SHOTSHELL GROWS UP by Warren Page
Part I covers the increased power and range developed in today's loads. The latest advance in shotshell design — Winchester's new Mark 5, is covered in Part II.

CARE AND FEEDING OF THE REMINGTON 7MM ROLLING BLOCK by Walter E. Hill
Covers one of the most popular of the surplus rifles in full detail.

S&W's MODEL 52 MASTER 38 by Gil Hebard
Master pistolman Hebard does a TESTFIRE report on the newest of Smith & Wesson target auto pistols. Here's the complete story on the new gun — performance, handloading, data, faults if any, etc.



BLACK POWDER MILITARY CARTRIDGES AND RIFLES by Frank Barnes
A comprehensive account of this interesting subject. Historical and dimensional data and loading information on foreign and U.S. cartridges is covered. A description of the weapons using them rounds out this study of arms and ammo of a by-gone era.



RUGER 44 CARBINE IN AFRICA by Pete Kuhlhoff
His experiences with the killing power of this new rifle and cartridge will astound you, as it did Kuhlhoff and even the maker, Bill Ruger.

JOHN FARQUHARSON AND HIS COMPETITORS by Lee Harthan
A complete account of the famous Farquharson action — its features and its variations. Also covered are the Westley-Richards, Henry, Rigby, Gibbs and other single shot actions that vied for public acceptance. Profusely illustrated and extremely well written.

THE MAGNUM KICK by Lou Bretton
The author has a beef and he expounds on it! His gripe — too many hunters are letting their manly pride overgun them in the field, which actually lessens their chance of bringing in trophies. After you've read this, you'll either agree or disagree — but you won't be neutral!

THE MOSSBERG STORY By Pete Brown
Traces the history of O. F. Mossberg & Sons, fire-arms makers for over 40 years. Included is a comprehensive chart listing all Mossberg guns from the first pistol to the latest rifles and shotguns.



BUFFALO HUNTERS AND BUFFALO GUNS by Norman Wiltsey
A rousing recounting of the tales of the great buffalo slaughter in our early west. He brings to life some of the famous hunters and describes the weapons used in this infamous debacle.

GUNS FOR THE 256 WINCHESTER by Bob Wallack
The hot 256 cartridge at last has a home — two of 'em! Marlin's M57 lever rifle is ready now, and a new Ruger Pistol is in the works. Here's the very latest on the new arms and ammo.

BALLISTIC BULL by John Maynard
Raps the knuckles of the ammunition manufacturers and developers. Maynard claims that the ballistic data given to the public does not coincide with the velocities and energies that the shooter gets from his guns. He illustrates his point in this controversial article.

MAGNUM RIFLES by Robt. Chatfield Taylor
This world-traveled hunter feels there is a definite place for big bore Magnum Rifles — the taking of heavy and/or dangerous game at long range.

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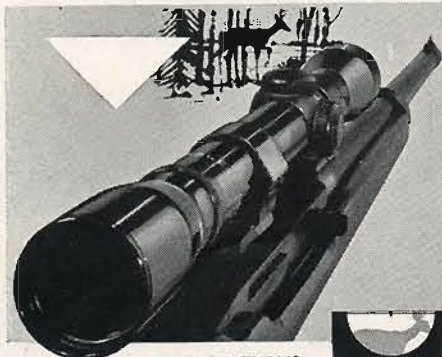
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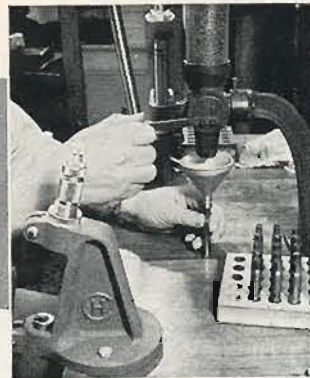
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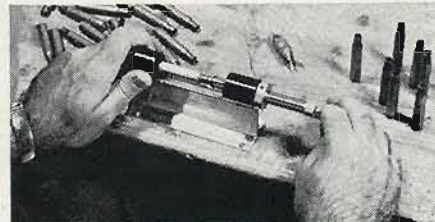
HANDLOADING BENCH

By KENT BELLAH



CASES should be trimmed for safety and accuracy. Don't worry if you lack a precision mike. A 98c chain store vernier caliper will do. It's a precision gauge, but won't measure accurately to .001". (There's a difference!) Measure several new cases. Select the shortest one, wrap it with tape for identification, and keep it for a master

Ted Smith, of Little Drifter fame, (S.A.S., Box 250, North Bend Oregon), has \$7.50 dies for revolver shot loads in .38, .357 Magnum, and .44 Magnum. Alcan can supply wads. The .357 dies I tried work okay with 4 grains Bullseye, Alcan's .070 Nitro Card, the shell dipped full of No. 9 shot, a Lyman gas check seated skirt down, and



Check case length with gauge. If too long, trim cases to proper length, using good trimmer, but check work.

gauge. Set your caliper for this case, after you trim just enough to square the mouth. A cheap caliper is handy for many jobs where .001 accuracy is not necessary. It takes inside and outside measurements and hole depths. A precision Case Length and Headspace Gauge, as made by Forster-Appelt, and others, is \$4.50 well spent.

heavily crimped. Practice with these loads, that are safe in settled areas, and you can soon hit aerial targets and game with bullet loads. Write for complete S.A.S. literature, if interested.

The popular C-H Shellmaster now has Universal Metering Bars, with inexpensive shot and powder Metering Sleeves. They fit your old loader. Sleeves permit loading everything from target shells to Hi-V loads at lower cost, with the advantage of fixed charges. A group "N" Sleeve, for example, is for 23 grains of the new Du Pont Hi-Skor shotshell powder, equivalent to 23 grains Red Dot (by weight) with 1½ oz. shot in a 12 bore. The same sleeve throws 37 grains AL-8, 33 grains Herco, or 40 grains AL-7.

Ted marketed the first inexpensive (\$7.50) .30 caliber swaging dies for ½ jacketed bullets. (C-H had made a few experimental sets before their excellent Swag-O-Matic hit the market. It sold so well they could hardly keep up with demand, which delayed their .30 caliber dies, until production caught up with handgun dies.) Speer's "Plinkers," and Hornady's "S-J" .30's were widely advertised, which made them popular for shooting fun. Millions have been sold, and more millions made by shooters. I had suggested this idea to C-H and other die makers, and so had other people. I suggested these to C-H before my article on Harvey Jugulars, "The Most Deadly Bullets," was printed in the May 1956 issue of GUNS. C-H was quite interested.

S-P (Steel Plastic) hulls give trouble with some crimpers. The C-H Plastic-Crimper is the best I've used on these. It also puts an excellent crimp on new paper tubes.

Ward Sporting Goods, Clay Center, Kansas, sell a dandy \$15.95 Ward Shotshell Reloading Kit. You load a good shell in 8 easy steps, clearly pictured and described in the directions. Speed doesn't compete with production loaders, but you can load enough shells after supper for the next day's hunting. It puts a good crimp on worn and assorted brands of hulls. This isn't possible with most production loaders. You'll quickly learn to dip powder and shot with good uniformity, or you can throw charges with a powder measure. The shot dipper is adjustable for all loads. The powder dipper is for a fixed charge or charges. Cupped shell heads are reconditioned when primed.

Inertia bullet pullers may break when pulling GI pills. Use a good collet puller. First seat bullets a hair deeper in your seater die, so they'll pull easier. Inertia pullers may loosen cores in some soft point bullets. They may leave gas checks in cases. One lad ruined a .44 Magnum this way. In breaking down reloads, he added another charge of fast powder in a charged case with a freed gas check. He found the trouble when he found several pulled bullets lacked gas checks. Hornady "Crimp-on" gas checks, sized in a SAECO Lubri-Sizer are apt to stay on, even after impact.

(Continued on page 55)

GUNS THAT MADE HISTORY

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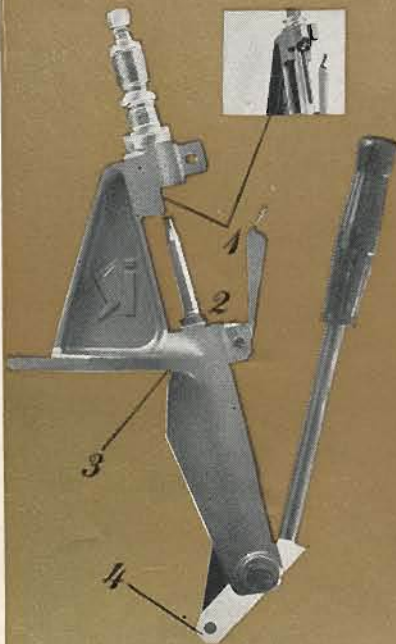
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(Continued from page 8)

always take before they proceed to seize a government," he wrote in a newsletter to constituents.

"With every gun registered, they know exactly where to go to take away the people's arms," he wrote. "It occurred in Spain, Czechoslovakia, and other countries."

All "Buckeyes" and all shooters everywhere should rally to the support of this man in his fight for our freedom. His address: Rep. William H. Harsha, House Office Building, Washington 25, D. C.

Lloyd V. Klaas
Cincinnati, Ohio

Who Will Out-Draw Billy?

Another championship Fast Draw contest is being scheduled as a part of New Mexico's Golden Anniversary of statehood—to be fired each weekend during the month of September, beginning Labor Day, on the mile-long street of Lincoln, where Billy The Kid and Pat Garrett carved their sizeable niches into western history. Fast guns from all over the nation are invited; many will enter, if only to share the thrills of gunplay on what may be the most fabled street in that "Land Of Enchantment" and legend.

Western movie and television stars will be there; and, as if that weren't enough, the annual Lincoln pageant, "The Escape of Billy The Kid," will be staged within stone's-throw of where it actually happened: three evening performances, August 3-5. Some 70 or 80 Lincoln County residents participate in the drama.

For details, write Merle H. Tucker, Tourist Division, Department of Development, State Capitol, Santa Fe, New Mexico.

Connecticut Collectors

At our March meeting our membership thought it desirable, in view of the many collectors groups now in existence, to advise various arms media of a few pertinent facts of our Association.

We are perhaps the oldest arms collectors group in continuous existence in the country having formed in October, 1936 and celebrated our twenty-fifth anniversary last October.

Intentionally not a large group, as we meet monthly (except in July and August) at the homes of our various members; membership being limited to fifteen for that reason.

It is hoped that this information is of sufficient interest to appear in your publication, and should further data be your desire, please so indicate.

Carlos H. Mason
94 George Street
Bristol, Conn.

See Page 16

I believe that you could serve your readers by having more articles concerning Fast Draw. This sport is growing more every day and certainly deserves more space in your fine magazine.

I believe more "how-to" articles on Fast

Draw would minimize accidents, therefore helping heal the scar fast draw has left on the mind of the uninformed. I can't blame the "stuffed shirts" for condemning this sport, since all they know about it is the imbecile who shoots his toe off because he didn't know the safety rules. You might even consider a regular column . . . for instance: "Gunfighters Corner".

Buck Rybka
Birmingham, Ala.

Pistol-Packin' Texan

In September last year, you published an article titled "Today, A Gun Could Save Your Life," by Tom Newburgh, a Chicago police officer who advised home owners and business people to keep guns for protection. Miss Melba Long, who manages a Denver cocktail lounge, may or may not have read the article, but she proved it's merit!

Two masked gunmen invaded Miss Long's establishment. One man carried a sawed-off double barreled shotgun. They forced Miss Long and four employees to lie down on the floor. Miss Long seized an opportunity to draw a .25 caliber automatic from concealment in her clothing, jammed it into the back of the man with the shotgun, and told him to stay put or she'd shoot. He started to turn, and Miss Long pulled the trigger. Hit in the back, the gunman tried to grapple with Miss Long, but she eluded him. The second man ran for the door, and Miss Long snapped a shot at him which hit him in the leg. Both men ran from the building, but the man who had wielded the shotgun was found dead a few hours later, and the other man gave himself up to get medical treatment.

Miss Long said she got her training with guns as a girl in Texas, where she frequently went hunting with her three brothers. Those brothers must have been good teachers; she fired twice, scored two hits. If a few more follow Miss Long's example, maybe the incidence of hold-ups in Denver will take a tumble!

John L. Foster
Denver, Colorado

Who's A Lunatic?

In the "Washington Merry-Go-Round" column in the Philadelphia "Evening Bulletin" of 26 April 62, Drew Pearson accused all who oppose legislation requiring national registration of all privately owned firearms of being members of "the gun-toting 'Minutemen' and other extremist lunatic fringe groups."

That Drew Pearson, of all people, should accuse others of membership in any "lunatic fringe" is truly a magnificent example of the pot calling the kettle black! Maybe Harry Truman was right about Mr. Pearson, after all!

Something in excess of twenty million Americans, at least 99 per cent of whom are not "Minutemen," believe that the right to own guns is ours by specific statement in the federal constitution, and that the defense of constitutional rights is neither "extremist" nor "lunatic."

I, personally, will hereafter refuse to buy any newspaper in which Mr. Pearson appears. If twenty million of us will do likewise, Mr. Pearson's power as a rabble-rouser will diminish.

George A. Van Tern
Philadelphia, Penn.

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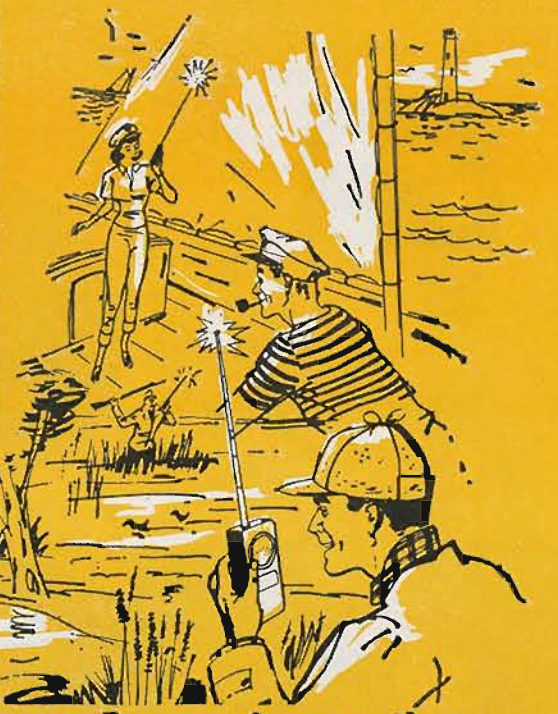
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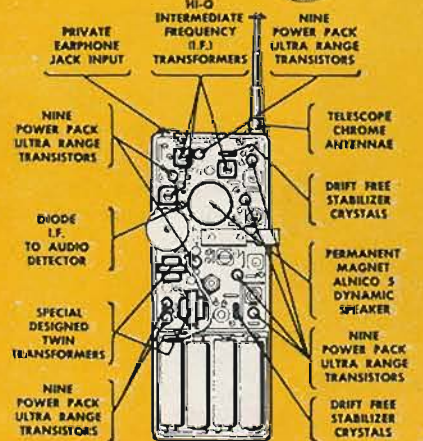
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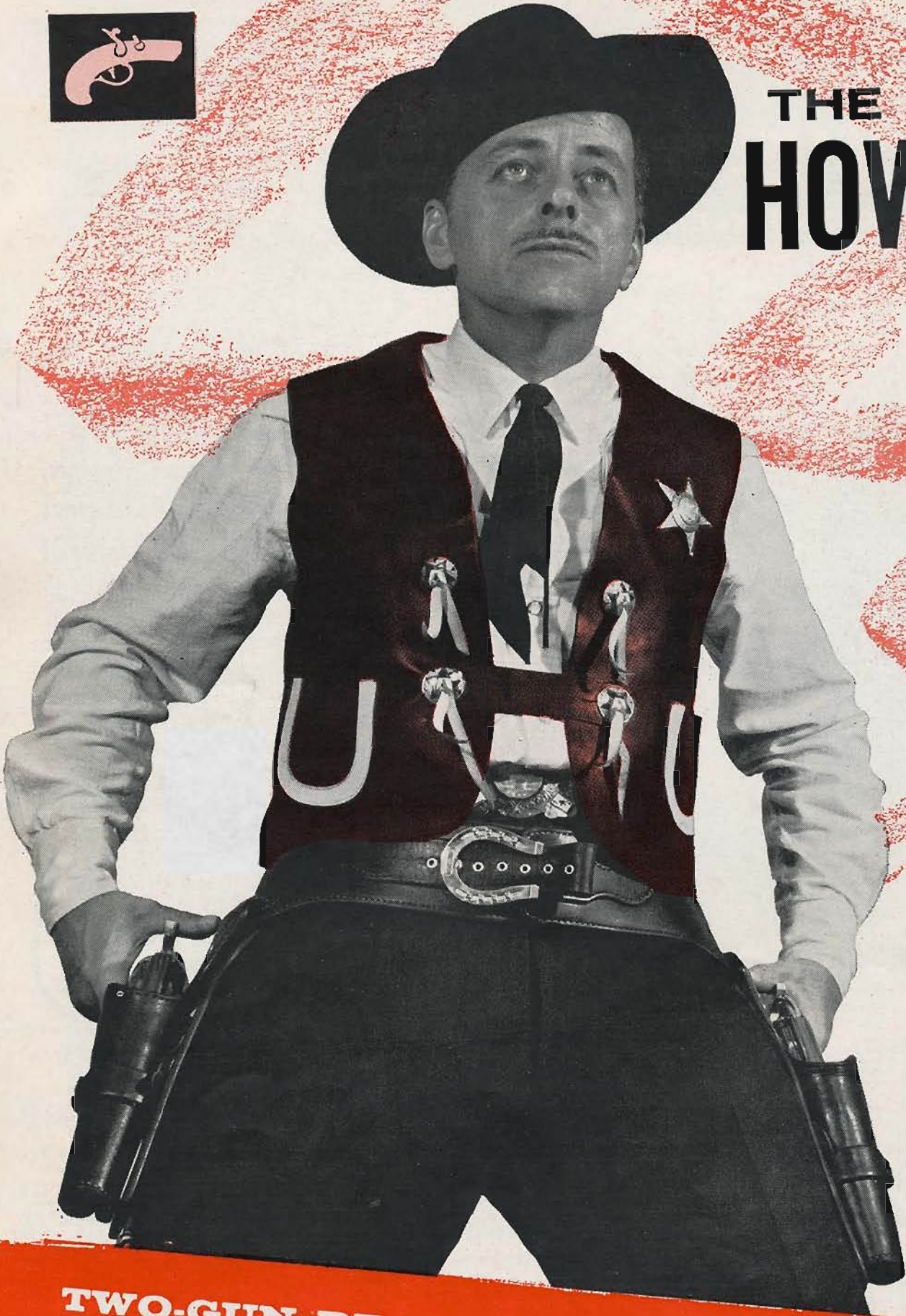
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THE HOW-TO



TWO-GUN DRAW...FOR EXPERTS ONLY

BY USING WAX INSTEAD OF BALL AMMO, FAST
DRAW RETAINS ACCURACY FACTOR, ELIMINATES ACCIDENTS

OF FAST DRAW...

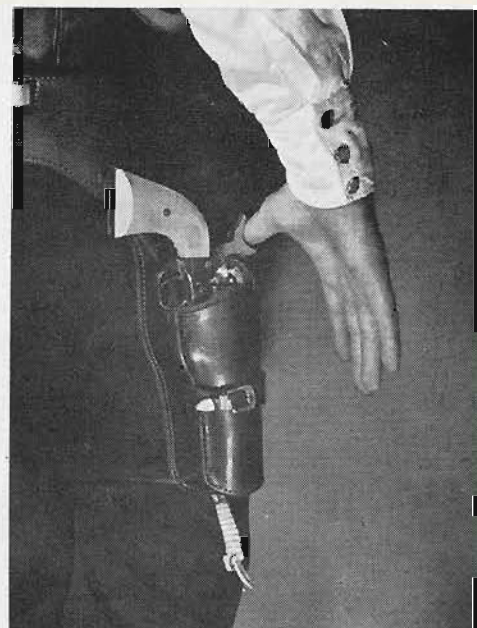
By GEORGE VIRGINES

WHETHER the supporters of the older shooting sports like it or not, and some quite outspokenly don't, Fast Draw is very definitely here—and if one can judge at all from its phenomenal growth and from the number, size, and magnificence of its “championship” tournaments, it is here to stay.

And why not? Fast Draw is a sport, and as such it needs no justification. But because it is criticized, let's justify it. That can be done very simply, in just two syllables: “It's fun!” What more does a sport need?

Fast Draw got more than its share of adverse publicity some years ago because a few people who knew nothing about it attempted to practice it, without instruction, with guns loaded with ball ammo. Just as would happen if untrained people attempted fencing with naked blades and no protection, there were accidents. Today, responsible clubs all over the country are teaching men, women, and children to practice Fast Draw with ammunition that won't hurt them—not, at least, beyond skin burns to remind them of the precautions their instructors have already drilled into them—and the much-publicized bullet-in-the-leg trademark is a thing of the past. It can't happen in properly directed practice, certainly not in competition—because there are no bullets; only blanks, or wax that stings but can't wound much beyond skin blisters.

The only remaining criticism is, “It isn't practical.” It isn't meant to be practical! The Fast Draw addict isn't practicing to put notches on his gun; he's playing a game; a game in which he will match his speed of hand, his manual dexterity, his skill, and his accuracy, against other players—exactly as the golfer, the bowler, the tennis player, the swimmer, matches his or her skill against competitors, for fun, medals, trophies, or simply for self satisfaction. What's practical about golf,



Regular Draw: Hand is at least 6 inches from gun. Hand sweeps back, thumb cocks trigger. Hand continues swing, draws and levels gun, but trigger finger is not around trigger. Gun is level, now pull trigger.

FAST DRAW...



Left hand, palm up, is held belt-high. Right hand starts draw, but the thumb does not touch the hammer, see right.



Index finger of right hand hooks into trigger guard and holds the trigger back, thereby releasing the hammer for the fanned shot.



Left: Trigger depressed, rest of hand clears gun from holster. Now left hand starts turn, while the right levels, moves gun forward.



Gun has been brought forward, index finger still holds trigger back. Left hand sweeps down and back onto and over the hammer, gun fires.

bowling, or tennis? And who cares, so long as millions get enjoyment from them?

But whereas millions of words have been printed on the "how to" techniques of other sports, practically nothing has appeared in print about the actual "how to" of Fast Draw. Newspaper and magazine publicity about the Fast Draw meets—Fast Draw and gun-juggling exhibitions by the various traveling professionals—and the tremendous interest inspired by "westerns" on television—have sent thousands of people to the nearest gun shop to buy guns and holster rigs—without giving them more than the very sketchiest (and often misleading) clues as to how Fast Draw is actually accomplished. Fortunately, the increasing number of Fast Draw clubs throughout the country has enabled thousands to obtain the needed basic instruction; but if there is no club near you, here are a few tips that may help.

Fast Draw is a highly skilled sport that requires excellent mental and physical coordination and fast reflexes. Given these, the next four basic fundamentals are—the gun, the holster, the ammunition, and the techniques.

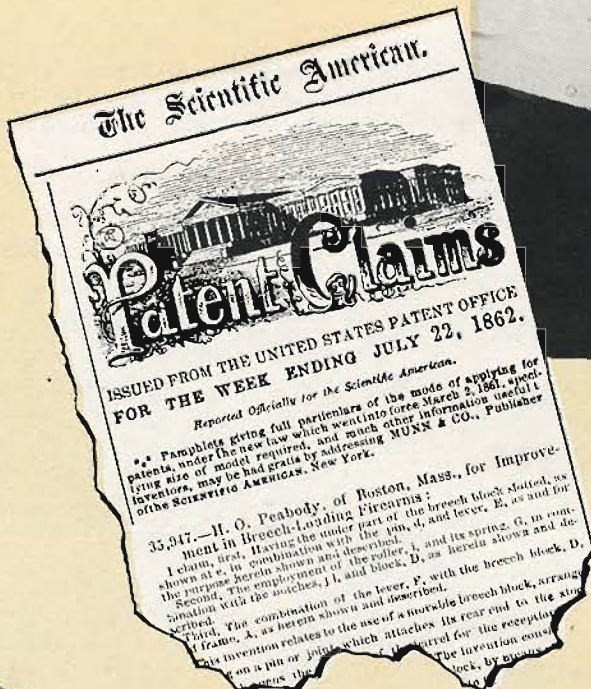
Judging by the guns one sees in competition, most Fast Draw shooters seem to prefer the Colt Single Action Army revolver, in .45 caliber. It has superb balance, a well-shaped grip, and a large hammer spur that makes for easy thumb action in cocking. Colt's are not the only guns used; Rugers, Great Westerns, and Hy Hunter's Frontier are favored by many shooters. Some prefer revolvers of .22 caliber; others use various .38 caliber or .44 caliber guns. The most favored barrel lengths are 4¾ and 5½ inches.

The Fast Draw holster is especially designed for the sport (not for defense or combat use). Two types have been most commonly used, and just recently a third type has been added. These holsters are built around special metal foundations which permit the cylinder to revolve freely in the holster, so that the gun can be cocked in the holster and drawn without drag. The metal in some holsters goes all the way up to the belt slot, so that the holster can be bent to angle the gun butt outward or inward according to the user's preference. Holster-belt combinations are called "rigs."

Arvo Ojala, who added steel to holsters to stiffen them, was one of the first to introduce the fast draw holster as used today. But specialized rigs have changed fashion as often as the Paris styles. Arvo Ojala's holster and belt (one type) is contoured
(Continued on page 47)

...THE FORGOTTEN RIFLE

Peabody rifle in excellent condition, left, is now the property of Holyoke-French Historical House in Boxford, Mass., Peabody's birthplace. Though excellent, the rifles were not accepted by the U.S. Army.



NOT GOOD ENOUGH FOR US, THIS RIFLE WON FAME ABROAD

And, like the Luger and the Maxim, although the Peabody rifle did not make the grade here, Henry Oliver Peabody's invention did play a vital role in the growth and in the wars of several foreign countries.

The original Peabody rifles are very scarce, but I found one splendid example, carefully preserved, in the Holyoke-French Historical House, Boxford, Massachusetts—Peabody's birthplace.

Peabody was born in a small country farmhouse on a lonely backwoods road, May 13, 1826. He was the son of Sarah A. (Towne) and Oliver Tyler Peabody. It is still possible to wander up the quiet rural lane, pass through white wooden fences, and climb moss-covered stone walls to view the old cellar hole that was built in 1728.

Some of the stones of the old well have tumbled in; the meadows and pastures have been over- (Continued on page 40)

By JOAN CAHOON

ON JULY 22, 1862, application was made for United States Patent number 35,947. The applicant was Henry Oliver Peabody, and the patent brief referred to his invention as a "breech-loading" rifle and carbine. It was a gun that easily might have shortened the bloody Civil War.

Actually, the Peabody rifle had no influence whatever on The War Between the States—for the very simple reason that the United States Government rejected the gun. In similar fashion, many years later, we turned thumbs down on the Luger pistol and the Maxim machine gun.

GUNS THAT FOUGHT



British service gun, Brown Bess (top) was no match for the Kentucky rifle in the hands of wily, sharpshooting American backwoodsmen.

By LOUIS WILLIAM STEINWEDEL

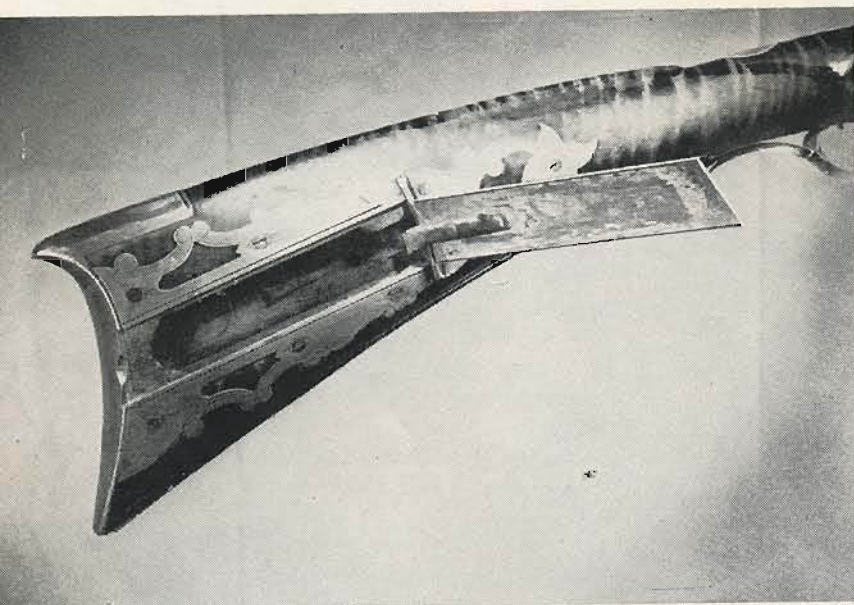
**TAILORED TO FRONTIER
NEEDS, THE INCORRECTLY NAMED
KENTUCKIES SHOT TOO STRAIGHT TOO FAR
FOR TROOPS ARMED ONLY WITH MUSKETS**

AT THE TIME King George was having considerable trouble with his unruly subjects in the Colonies, one loyalist warned that his county had mustered "a thousand riflemen, the worst of whom will put a rifle ball in a man's head at 150 or 200 yards. Therefore, advise your officers who shall thereafter come out to America to settle their affairs in England before their departure."

This forbidding warning had its origin in a peculiarly American invention: the graceful, eye-catching Long Rifle of the colonial backwoodsman, later to become known as the Kentucky rifle.

The colorfully but incorrectly named Kentucky rifle is a classic example of necessity being the mother of invention. The pioneers roaming the unexplored frontier forests of Pennsylvania, Maryland, Virginia, and beyond, quickly found that they needed a highly specialized gun if they were to grow bald slowly rather than suddenly and painfully. What these men required in a gun was enough to make a gunsmith throw up his hands in horror and turn to some other profession.

Those persevering craftsmen who dared listen to their customers' requests heard a gun described that would be light, sure-fire, rugged, fantastically simple, easy on ammunition, but highly accurate into the hundreds of yards with a simple fixed sight, packing sufficient wallop to bring down a howling redskin or growling bruin. So challenged, the immigrant gunsmiths in the Southern Pennsylvania frontier towns of Lancaster, York, and Reading marshalled their recollection



The rifle was the only tool on which frontiersmen lavished such ornamentation as inlaid patchboxes like that pictured.

OUR COLONIAL WARS



Woods-trained Virginia riflemen caused consternation among New Englanders, terror among the British.

tions of a super-accurate gun that they had known in the "old country," a gun used by the professional hunters, the *Jaegers*. This was one of the very early guns which used rifling to give the bullet a spin as it left the barrel to guide it accurately to a remote target. Despite its attractive accuracy, the Jaeger rifle was completely unsuited for the American frontier. The gun weighed from 10 to 20 pounds, took an eternity to load because of its extremely tight

fitting three-quarter-inch bullet that had to be pounded in with a hammer; and, anyway, it was much too expensive.

Nevertheless, the germ of an idea was there, and when the Pennsylvania gunsmiths had finished slimming, lengthening, simplifying, re-designing, and inventing, something typically American had been born. The well-received result was a sleek-looking rifle that averaged between .40 and .55 caliber, was about four and a (Continued on page 51)



Dress position of Hayesling on Enfield sporter (top) and Gunslinger in emergency carry on gun without swivels. This sling rolls up neatly.

which *SLING* for what?

By TOM HAYES

A RIFLE SLING on your hunting gun can make or break your hunt. It can be an invaluable aid in shooting or in carrying the gun; but the wrong sling—or improper use of any sling—can also cost you that once-in-a-lifetime shot.

Let's differentiate right now: There are carrying slings, and there are shooting slings. (And I am talking about hunting guns only; let the target shooters solve their own problems!) The carrying sling is designed *only* for carrying the gun in the field. Usually made of leather, most carrying slings are adjustable for length, serving to free the

hunter's hands while walking, climbing, or dragging out game. If the usual carry sling has any other virtues or uses, I have yet to discover them.

The use of the carry sling as "hasty" sling in game shooting has been advocated. For this the supporting arm is thrust between sling and the gun's fore-arm, the sling slack is taken up by grabbing a handful of strap along with the fore-arm. The hasty sling idea is as old as slings themselves, and was long ago discarded as completely impractical by experienced hunters. Regardless of the speed with



Author's Guntoter carry sling in dress position, forms compact package for time of active hunting.



Gunslinger carries gun muzzle below snagging brush, limbs.



The Continental carry is fast, but sling hampers.



The hasty sling is a snare and a delusion.

ARE SLINGS GOOD OR BAD ON HUNTING RIFLES?

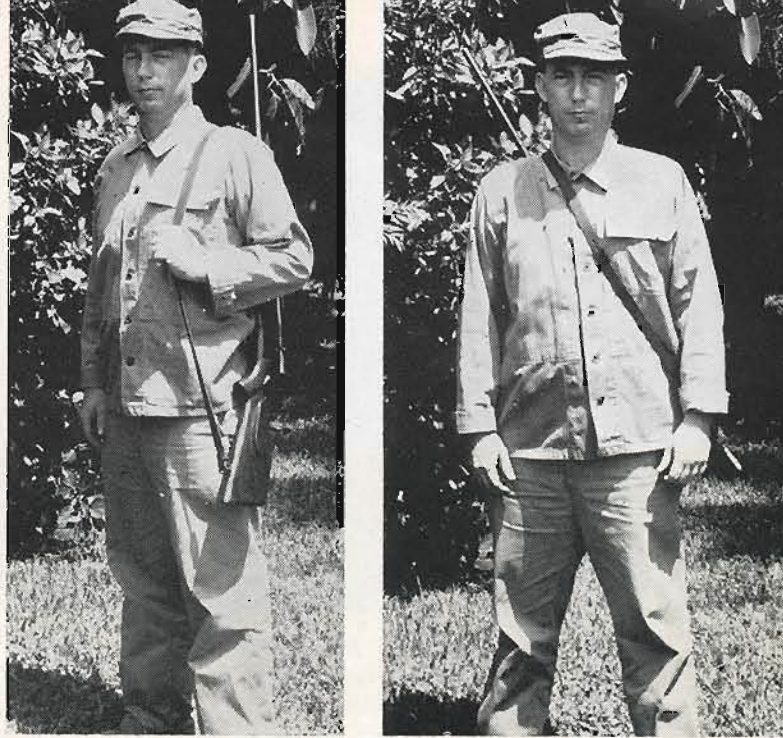


BEFORE YOU BUY, BETTER DECIDE

which the shoulder-slung gun (upside down or in any other position) can be put on target, the gun which is entirely supported by the hands can be brought into play faster. And the experienced hunter wants no binding or restricting of *either* arm when a whitetail explodes suddenly from the timber. The hasty sling is of dubious value in any shooting position, and I declare it to be "a snare and a delusion."

A sling is of no value in shooting game from the off-hand position, and it is an actual encumbrance in shooting close, running game. A loose sling is prone to catch on brush or clothing, and it adds needless weight and bulk to the brush rifle. The side-to-side swing of the sling is transferred to the gun when the hunter takes aim. A very light carry sling that can be attached or removed quickly is a *very* important item, but it should repose in your knapsack or pocket while you are actively hunting. This sling will come in handy in dragging out a deer, or as an emergency belt or tourniquet. It will also ease the carrying chore when you climb or have distance to cover.

Permanently attached slings and sling swivels have no place on a brush gun. Several years ago, I designed a very light and compact swivel-less, carry sling, the Gunslinger, that can be put on or removed in a jiffy. If you must have swivels on your woods rifle, be sure that they are of the quick-detachable type. Permanently attached swivels have the tendency to rattle at inopportune moments, and are prone to catch on brush. The quick-detachable (Q.D.) swivel has made fixed swivels obsolete for all hunting guns,



The carry sling is just that and was not designed as a shooting sling. Here author's Guntoter sling, left, in the conventional carry, and for climbing and riding.

and the Gunslinger has made swivels obsolete except on long-range rifles. However, if you must have swivels on your woods rifle, the Guntoter will make a neat and handy carry sling that can be attached or removed in a matter of seconds.

The shooting sling appears to be an American discovery and has been used for nearly a century. Essentially, it is a leather loop of proper length attached to the proper point on the fore-end of a gun. For practical use, the loop must be tightly bound to the shooter's upper arm; hence the designation "tight-loop" shooting sling. Until recently, all such slings required the use of a "keeper" or two. These are small, tight-fitting, bands of leather encircling both straps of the large loop, and their purpose is to restrict independent movement of the loops. After the shooting loop is in place on the upper arm, the keeper is slid down to tighten the loop, and a second, or "keeper's keeper," is jammed against the first one to prevent its loosening. Although some recently developed slings operate on a slightly different mechanical principle, all worthwhile shooting slings secure the loop in its high position on the upper supporting arm.

The heavy, bulky, military-type sling is still the most frequently met tight-loop shooting sling. Savvy riflemen have long ago abandoned it in favor of the handier Whelen-type sling. This is a vast improvement over the military sling, since the one piece Whelen sling is simpler to attach, use, and adjust. It also has less weight and bulk. The Whelen sling requires keepers, and precious time is wasted in finding and jamming them snugly against the arm. The sling's construction doesn't provide for tightening to "dress" position, and, because the "shooting" length is usually excessive for convenient gun carry, the claw hook or frog must be adjusted for each intended sling use.

Over the years I designed a two-piece leather sling that overcomes most of the disadvan- (Continued on page 33)



Correct sitting position with elbow well placed on knee, the tight-loop Hayesling high on arm.



Above left, George Parker is shown with whopping grizzly he took in Alaska with 7 mm Mashburn Magnum. Right, the Prince Abdorreza Pahlavi with excellent Rocky Mountain Bighorn taken with a 7 mm.

THE 7 mm

—from
Karamojo Bell
to Remington's
new Hot-shot

By COLONEL CHARLES ASKINS



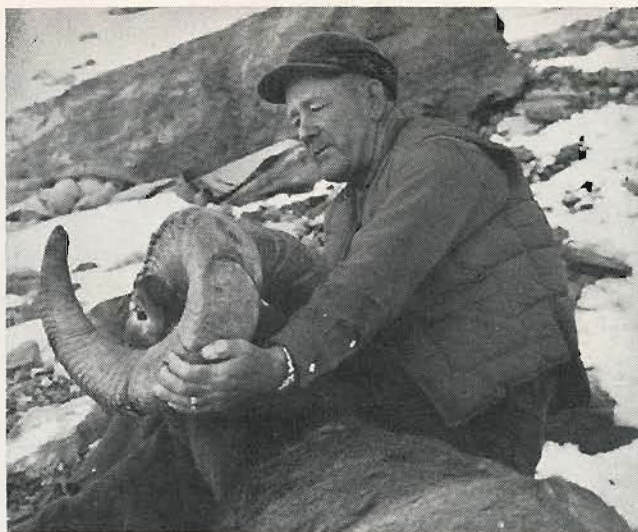
Remington Model 700 is only commercial U.S.-made 7 mm. Giant Sable of Angola was dropped by Parker with Mashburn.

THE MOST FAMOUS 7 mm user the sporting world has ever known was probably Karamojo Bell. This hardy Scot shot 1100 elephants in the short span of six exceedingly busy years, and most of this shooting was done with a 7 mm rifle. Today, in East Africa you cannot go into elephant country with a pipsqueak of this size. The johnny nabs will heave you in old cold and stoney; nothing lighter than the .375 is now cricket.

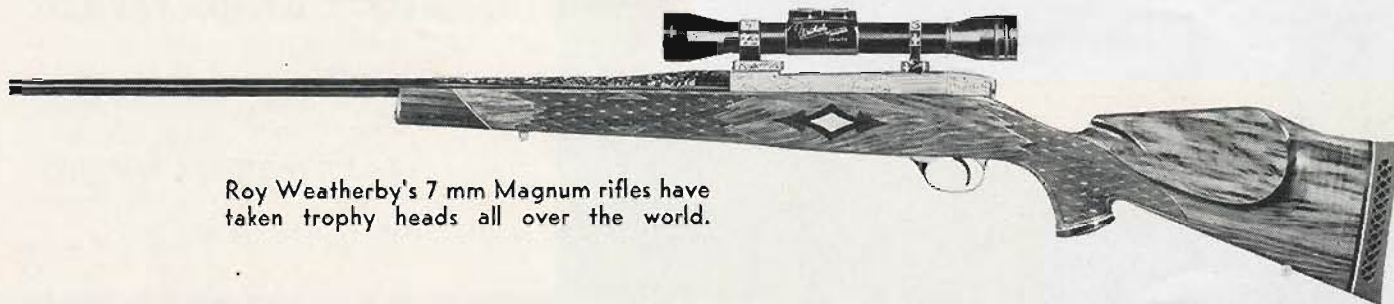
Bell (called "Karamojo" because he did the most of his hunting in the Karamojo district, Uganda) depended upon other light calibers besides his 7 mm. (This seven millimeter is called the .275 by the English.) He also shot the .303 service cartridges a good deal.



Peter Byrne, a firm believer in the performance of the .275 H&H Magnum, now guides tiger hunting parties in Nepal. H&H Magnum caliber is very popular in Europe.



One shot from Weatherby 7mm Mag. accounted for this stone ram with 44 $\frac{3}{4}$ " curl. George Parker took the prized trophy in Alberta during hunt in Fall of 1961.



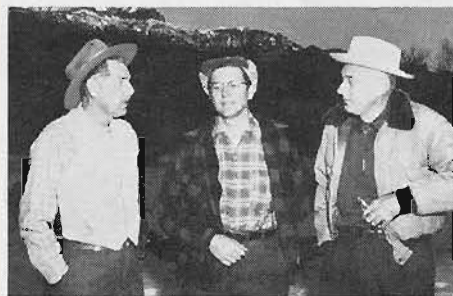
Roy Weatherby's 7 mm Magnum rifles have taken trophy heads all over the world.

and had plenty of confidence in it. The .303 is in a class with our .30-30 and, these days, is not considered more than marginally adequate for Africa's larger antelope.

Just how this fantastic Scotsman enjoyed his extraordinary shooting successes is at this time and from this distance hard to explain. I have discussed old Karamojo by the hour with white hunters hanging out in the New Stanley bar, Nairobi, and the consensus of opinion seems to be, after you have strained out the sour grapes, that, "Bell must've been an 'ell of a fine shot, you know." Which is to say he placed his bullet with a precision which left absolutely no margin for error. He shot his tuskers in the head and at distances from 60 feet down to 10. It took guts to do that, let me tell you!

Discussing his selection of shooting irons, Bell said, "As regards rifles I have tried the following: the .256 Mannlicher, the .275 H&H Magnum (this was his famous 7 mm), the .318, the .350, and the .260 calibers. Among the larger bores, I have tested the .416 Rigby and the .450 Nitro Express. At the time I entered the Karamojo, I possessed a double .400 and also had my .275. Sometimes I used one and sometimes the other, and it began to dawn on me that when an elephant was hit in the right place with the .275, it died just as quickly as when hit with the .400. And, vice versa, when the bullet from either rifle was wrongly placed death did not ensue. In pursuance of this train of thought, I wired both triggers of the double .400 together so that when I pulled the rear trigger both barrels went off simultaneously. By doing this I obtained the equivalent of 800 grains of lead propelled by 120 grains of cordite. The net result was still the same. If wrongly placed, the 800 grains from the .400 had no more effect than the 175 grains from the .275. For years after that, I continued to use the .275 and the .303 in all kinds of country and for

(Continued on page 36)



Remington's 7 mm got first wringing out in Les Bowman's camp. Col. Askins, Al Biesen, Mike Walker examine elk killed by new 7 mm.

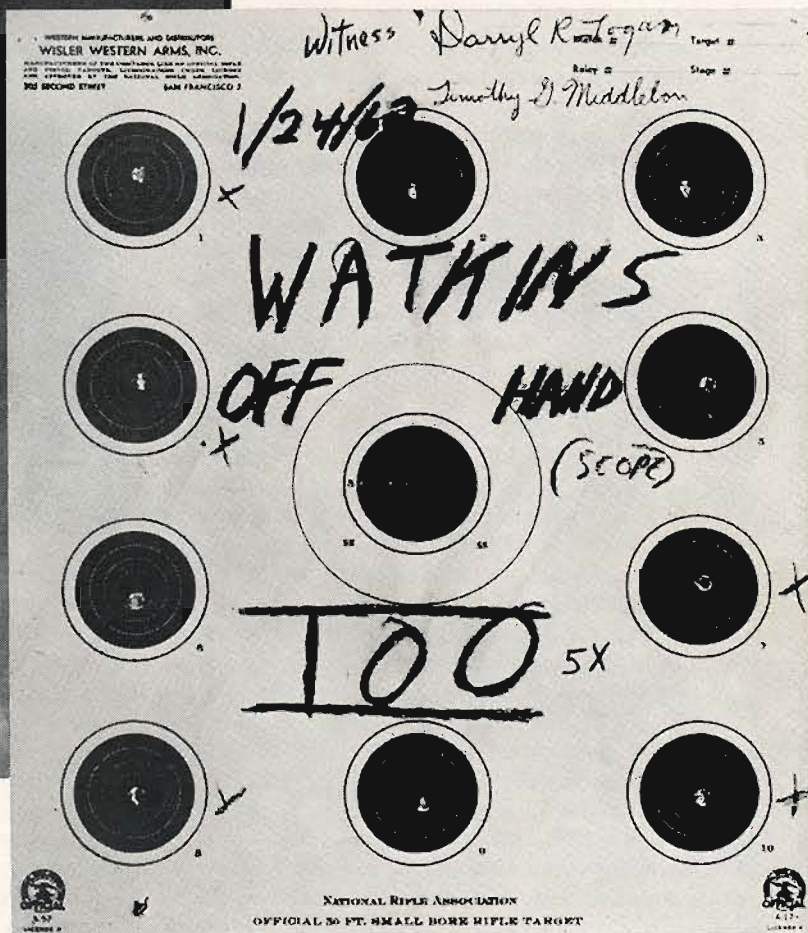


TRY



"A JERKED TRIGGER IS A MISSED SHOT" IS THE RULE, BUT BEFORE YOU SAY THIS LAD IS CRAZY, LOOK AT HIS TARGET

By JOHN STUART WATKINS



Above, Watkins demonstrates off-hand position that has produced targets like the one shown at right. Perfect 100 score was fired by jerking the trigger. Note that the target is witnessed.

JERKING THE TRIGGER!

“SQUEEZE that trigger. Don't jerk it. Just exert a steadily increasing pressure on the trigger till she lets off.”

This, or similarly-worded good advice has been handed out by thousands of coaches to millions of shooters, especially those addicted to small-bore or four position shooting. Is this sound advice or is this one of those old-wives' tales that have been perpetuated for many years? I would not know, for I *jerk* the trigger in the off-hand position!

Why should I be proud of the fact that I am a trigger-jerker? Well, I have managed to get some pretty fair scores with my method of trigger handling, and until someone comes along and proves that I can do better by squeezing the trigger, I'll keep jerking my shots. Shooting my way, I have racked up a modest stack of medals and trophies, culminating in being named to the All American Collegiate Rifle Team for 1961. And I am willing to bet these medals that, admit it or not, many other top shooters also are jerking their triggers . . . Some have even told me so!

In March of 1962, after I had won the Gold Nugget Tournament at the Tanana Valley Sportsmen Association in Fairbanks with a score of 786 out of 800 using iron sights, the range officer walked up to me.

“John, how do you fire your off-hand shots?” he asked.

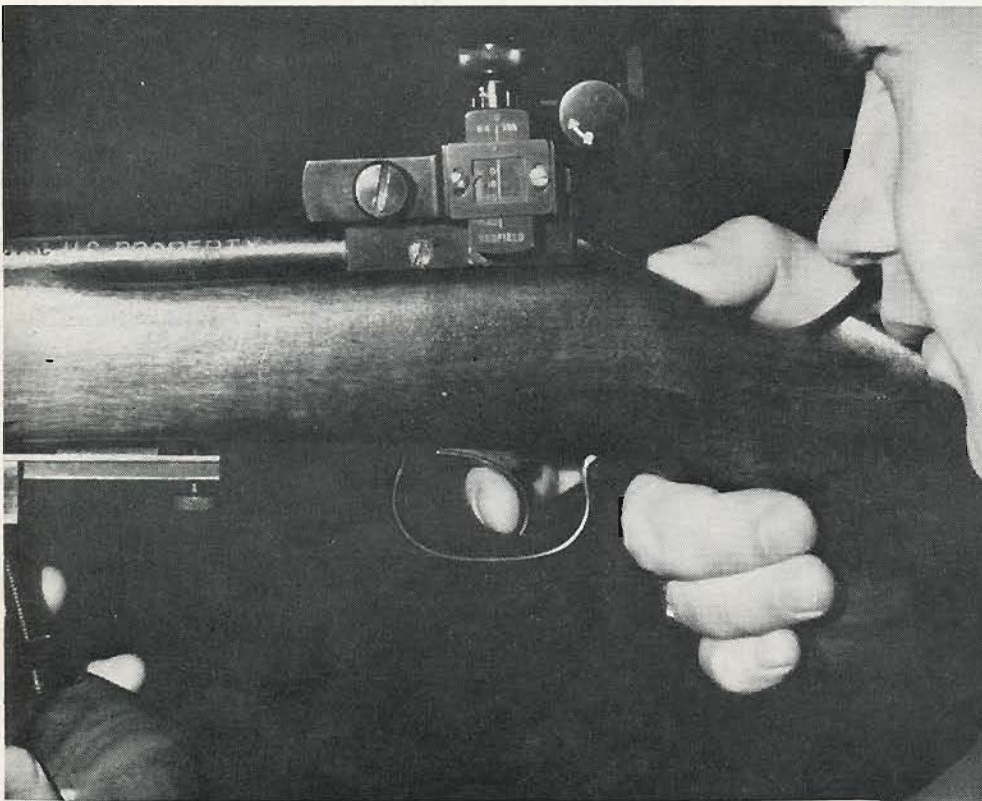
“I jerk them,” I replied.

“Oh. Don't you mean that you squeeze the trigger fast?”

I explained that I jerk the trigger, jerk it so distinctly that it could not possibly be thought of as a squeeze.

The range officer didn't comment, but as he walked away I almost could hear him thinking, “Well, the kid will learn!” He didn't know it then, but I had just finished firing a 98 and 96 in the off-hand position.

When I ask other shooters how they handle the trigger in the off-hand position, I am told they use a fast squeeze, or what is known as an educated (Continued on page 50)



Close-up of Watkins in the off-hand position shows how only the tip of index finger touches trigger, just enough to enable him to jerk trigger. At right, coach M/Sgt. Everad Horton extends congratulations to author for winning trophies, medals displayed.



Properly proud of rifle skill author Watkins shows young wife Jeanette latest accomplishments.



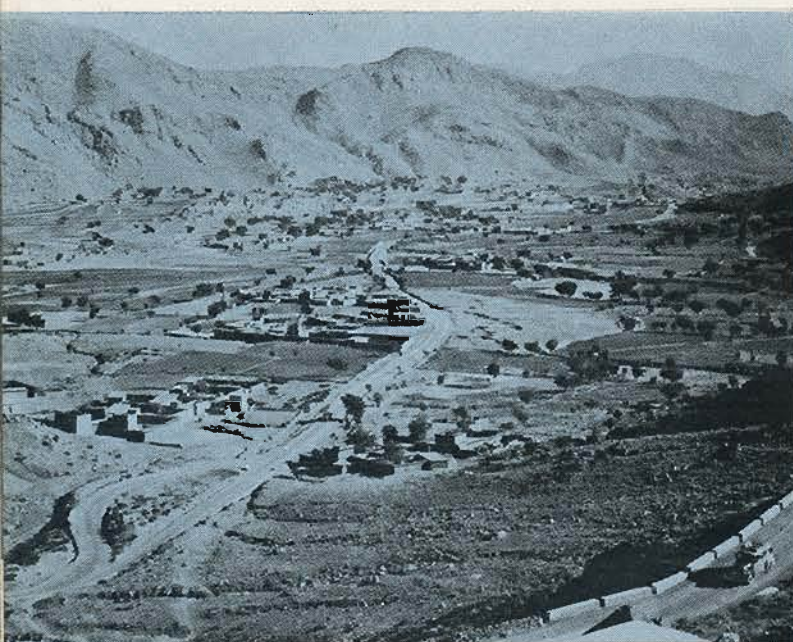
MODERN GUNS, CUT FROM RAILROAD IRON
WITH HAND TOOLS, FLOW THROUGH ILLICIT EASTERN MARKETS FROM

The Gunsmiths of Darra

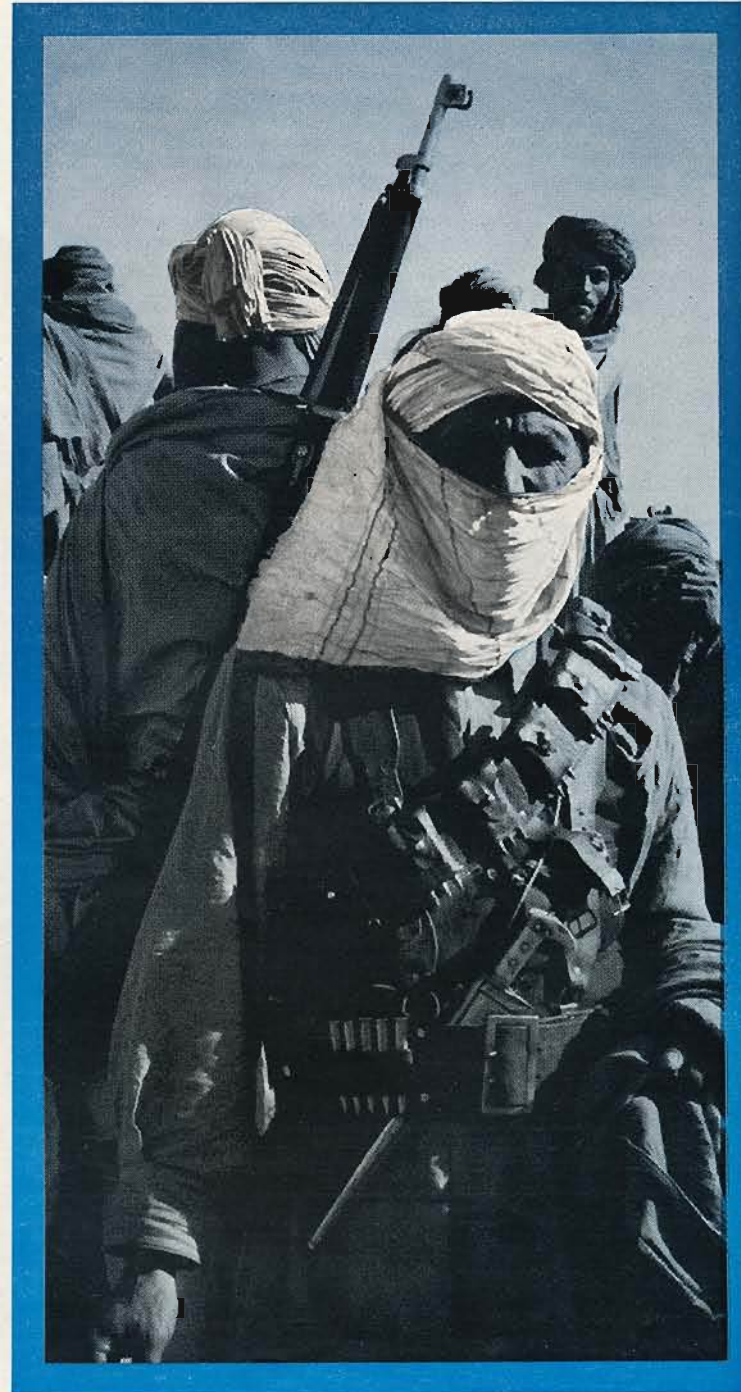
By WILLIAM B. EDWARDS



Barrel boring mill is operated by foot power and work is done by eye without help of gauges or other tools.



High valley towns on Northwest Frontier's trade route support a very thriving home-handicraft gun industry.



Well-used U.S. Enfield was made for British in 1914. The .303 ammo worn by daggered tribesman is home-made.

THIRTY MILES north of the last outpost of modern Afghanistan, on the road from Peshawar to Afghanistan, a sign warns, "Tribal Territory: Go Carefully." This marks the end of the authority of Pakistan President Field Marshall Mohammed Ayub Khan. From this point on, the land belongs to the proud and unconquered Afridi tribesmen—men not too much unlike our own American pioneers in their fierce independence and in their love for (and knowledge of) the guns they bear.

The main street of the town of Darra is the show place for a never-ending gun collectors' convention. Since the days of battle-axes, these men have made weapons. Gunmaking skills date back to the long, curved-stocked "jinghals" and the forward-striking matchlocks, festooned with ivory and brass, which were made here and shipped out over the trade routes of the East. Today, the Darra smiths are making modern guns—passable facsimiles of Webley revolvers in .38 and .45 calibers; wrist-busting Martini-actioned pistols chambered for the powerful British .303 rifle cartridge; highly polished "Berettas;" and, naturally, rough but serviceable "Bren" machine pistols and burp guns. In a pile of captured rifles held by the Iranian army at Abas Abad Arsenal outside Tehran, I examined one of the Darra products: A "spittin' image" of a Czech VZ-24, with the carefully hand-stamped lettering "WAUSER-WERKE OBANDORF" on top of the receiver. For serial number, the Darra craftsmen had stamped a series of ampersands—&&&&&&; not very informative, but very official-appearing!

Darra is legally cut off by the governments of Pakistan and Afghanistan,



Young tribal gunsmith visually checks headspace of copy of Webley Mark III.



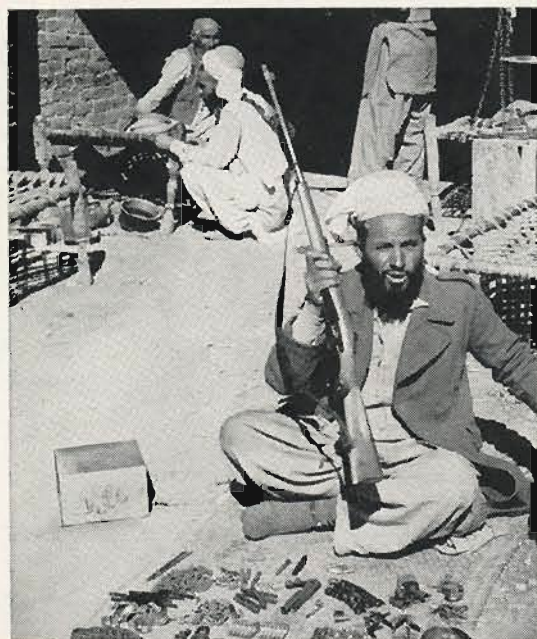
Darra arms dealer holds current production model of VR-and-crown stamped Martini rifle. Wall behind him is full of home-made Enfields with Mauser Karbiner sights and locally designed and made additions, innovations, changes.



Accuracy of the Darra guns depends largely on skill of barrel straightener's eye and hammer.



Cautiously shopping tribesman checks sporter Enfield. Martini shotguns, left wall, sell well.



Hand-filed gun parts are praised by street vendor who also displays sporterized Enfield.

but gun-running is old hat to the men of Darra; they get the guns out. It is said that you can have even a 40 mm Bofors cannon built in Darra, if you have the money and are in no particular hurry—and the betting is that the gun will be delivered (piecemeal, probably, but ready for assembly and service) almost wherever you want it.

Like everything else in Darra, gunmaking depends heavily on camels. Camels bring in the necessities of life, carry out the tools of death. In an earlier day, camels carried tribesmen on raids to steal rails from British railways. Chopped into convenient lengths, these rails were hacked and shaped and filed by Darra smiths into action bodies for Lee Enfield rifles. Today, camels bring raw iron and steel over the final stages of journeys from as far away as Belgium; but rails are still used too; where they come from is nobody's business. Files wear out, are at a premium, hence are used mainly for finishing. The rough work is by chisel and hammer, and I doubt that the word "gauge" can even be translated into the lingo of the hill tribesmen; yet they make parts that fit together into guns that shoot.

The boring of barrels is an art. Hand-forged on a common anvil to length and roughly to shape from the same friendly old Bessemer iron rails, the black rough barrel is then turned on a lathe to outside shape. These tools have no power except that of the knotty, muscled legs of the artisan ceaselessly working a treadle. With these tools, modern in the days of Alexander the Great, the Afridis produce firearms that, even on close inspection, have the well-finished appearance of western work. (That they are butter-soft, and that the barrels are not necessarily bored down the middle, are considered minor objections.)

To get the hole inside the barrel, a horizontal boring rig is used taking one barrel at a time, of course. A string, attached to the mounting clamp for the bit, runs forward toward the muzzle, from whence a heavy stone weight pulls it into a hole in the ground. As the bit cuts into the barrel from the breech end, the stone drops into the pit, drawing the drill along. Boy-power on a flywheel handle furnishes the drilling motion and water the lubricant. This done, such matters as fine boring, reaming, and straightening are given minor attention, though at the last a surprisingly good finish is obtained. Shotgun barrels, bored from the solid this way, are lapped by hand.

Rifling is by guess and by Allah, to localize a phrase. The rifling bench would be familiar to only those Americans who have studied the books on Kentucky rifles and the tools by which they were made. The frame work of the machinery is two mule shoes, at the ends of which are fixed guide rods. The bend of the "U" is welded, at the front end, to a stake set in the ground; at the rear, a solid tree stump is the support. Crossing the gap between the ends of the Us are solid plates as guides. The rifling rod itself is a flat piece of iron bar twisted evenly to give a spiral of approximately one turn in 12-14 inches. At its rear end is a cross handle which the young "Harry Pope" of the hill tribes pushes. There is no fixture to index the barrel regularly—all is by eye and chance. The cutter is a small chip of steel with three teeth, about a half-inch long and $\frac{1}{10}$ " wide, set in a rifling rod that runs in and out when the workman pushes and pulls the handle.

With nothing but their eyes to guide them, these people have created an amazing array of hardware. The primitive arms once forged there might make an endless list. I have seen two pocket Model 1849 Colt revolvers, rudely but serviceably done, winsomely

(Continued on page 44)

HERE AGAIN "MANY OWED MUCH TO A FEW" TRAINED BRITISH SNIPER-RIFLEMEN



"For ENGLAND and KING GEORGE!"

By LT. WILLIAM H. TANTUM IV, USAR

ALTHOUGH war had been threatening Europe for some time, when it did become a shooting war, the British Army was caught without snipers or riflemen who could be pressed into serving as snipers. When the clamor for snipers came in from all fronts early in 1940, the War Office heeded the demands and opened a school for snipers at the famed Bisley range.

The school at Bisley laid the groundwork for later training schools, but all of them followed the basic concept of the original school. The curriculum at the new school was tough, the course short, the training hard, and the men who graduated were well trained for the job of killing enemy personnel. In two short weeks, students had to cope with five major topics, all of them tailored for actual field usage under rugged conditions. Sniper-students first learned the organizational set-up, (Continued on page 42)



Rifle No. 3, Mark 1(T)
A with Aldis scope at
top. Same, with bases
for Pattern 1918 scope
left. No. 4, Mark 1 (T)
with scope #32, right.





Pull!

BY DICK MILLER

TRAP AND SKEET are busting out all over! There are more shooters in both games, more registered tournaments are scheduled, publicity and recognition for shooting performance is greater, and new clubs are building almost daily.

With all this hoop-la and interest in the clay target games, it's obvious that there is no real need for a change in the scoring rules of either game. But, with all the boom (no pun intended) in the clay target sports, there still remains a large number of the unchurched, who either have not been exposed to the fun of grinding up clay targets, or, having been exposed, failed to catch the fever, under present scoring rules.

Let's make it clear that I don't propose to tamper with the rules for tournament shooting. When you have a good thing going, leave it alone, is always a good philosophy.

But a conversation with personable Ernie Fritz, vice-president and sales manager of Auto-Trap, Inc., Champaign, Illinois concerning a scoring system he has worked out for his indoor clay target game, which uses junior size clay targets and .22 caliber smooth-bore rifles, intrigues me. Ernie has applied the scoring rules of bowling to his miniature game, and the results are great.

The present boom in bowling might not have come about without the scoring system that is used in the game. If, for example, your score was the sum of pins you had knocked down, some of the excitement and suspense would be gone from the game. It occurs to me that applying similar rules to either trap or skeet, at the club level (certainly not in tournaments), might generate a lot of fun, enthusiasm, and interest.

There are infinite possibilities for scoring trap and skeet along these lines, and the reader may well figure out a far better plan than the one that comes off the top of my head. But, here goes a possibility.

For the game of trap, give the first 15 shots ten points each. The next five count 20 points, and the last five shots are worth 30 points each.

Scoring a round of trap in this manner would keep the boys on their toes, and make for fun and gaiety. Under these rules, a beginner who missed three shots before getting the range could tie a hot-shot who got careless on the last post. Or five men who had identical scores under regular rules could have a variety of scores, depending on where they missed or hit.

Skeet might be scored in this way. Let each of the singles have a point value of 10. Count 20 points each for doubles, and give the optional 50 points. This system would have put in orbit a friend who just told me the bad news that the previous Sunday he had run 24 straight, then missed the optional. If he had been in squad scored by the rules I mention, he might have been low man.

While I have made it clear that these rules are not for registered competition, they might not hurt the tournament shooter, because they would certainly give him a taste of that pressure which builds up toward the end of a round, and reaction to pressure in tournament shooting is what separates the winners from the also-rans. Many a tournament has been won by a shooter who was no better than the pack, but who simply could stand the pressure.

It's possible that the "fun" rules I have proposed could attract and keep more shooters, and make better pressure gunners of those already in the game.

Another endorsement for a little experimentation along those lines comes from the reaction of one arms company executive who tried Ernie Fritz's game. When asked how many targets he broke, he couldn't remember, but he said he sure could remember his score!

If any club is brave enough to give this system a whirl, I'd be interested in learning what happens.

Speaking of trapshooting busting out all over, I recently stopped in Kankakee, Illinois, for a welcome chat with an old shooting buddy. He reminded me that five years ago he was about the only real clay target buff left in the Kankakee area, and that he had to do a lot of traveling to get in his target smashing. Now, he said, there must be five hundred shooters in the area, and a shooter

can pick and choose for spots to hang away.

One of the area shooters, Irwin Loitz of Peotone won the 16-yard Class C Florida Open Championship at Tampa. Thirty-seven shooters braved wind, rain, and cold in the Wesley Sportsman's Club first registered shoot of the year. Vernon Vondracek took the 16-yard event, and runner-up went to Robert Belmore, from Bradley. Harry Skalsky topped the handicap gunners, one target better than Les Schaal. Les Schaal also locked horns with Pete Ptacek for high-over-all and lost the decision to Ptacek.

The Bradley Bourbonnais Sportsman's Club announces night shoots the first and third Friday of each month. The lights will be on from six until ten each night. This club has scheduled a Sunday event the fourth Sunday of each month, according to R. W. Belmore, proxy of the trapshoot committee. The Sunday programs run from noon until six P. M.

R. Law, D. Glenny, and C. Anderson were the respective winners in one of the Peotone club's early events. The River Valley Sportsman's Letter comments that all the Peotone shooters are tough to beat anywhere, so Pull! congratulations go to Law, Glenny, and Anderson.

Shooters Decker, Fornango, and Schaal ended in a dead heat for one of the Wesley Sportsman's Club events. Schaal showed the way in the shoot-off, with Fornango second and Decker third.

◎ ◎ ◎

Turning from Kankakee to Canada, if this column is any judge of shooters, the membership of the Edmonton Gun Club is due for a sharp jump. The Edmonton Gun Club Bulletin relates that, among other valuable prizes, every member enrolling three new members will receive one round of shooting (shells and targets) FREE for every three memberships sold. Some shooters I know would enroll their mother-in-law, maiden aunts, uncles, cousins, in-laws, out-laws, grocer, butcher, and candlestick maker to get a free round of shooting.

If other clubs are seeking new members and new shooters, this gimmick is worth a try.

◎ ◎ ◎

And for another big jump, from Canada to the Bluegrass Country, Bill Steele, secretary of the great Jefferson Gun Club, at Louisville in Old Kaintuck, reminds our readers that the Southern Zone Shoot (trapshooting) will be held at the Jefferson Gun Club July 25-26-27-28-29. Bill believes that for the past two years the Southern Zone has been the best-attended Zone Shoot in the country. I haven't checked on this, but I don't usually talk back to Kentucky Colonels, and if Bill says it, that's good enough for me. I'll also print a retraction if another Zone Shoot feels that they have been downgraded.

For the edification of shooters who have not attended the big Bluegrass Skeet Shoot at the Jefferson Gun Club, winners receive, in addition to their trophies, commissions as Kentucky Colonels. So if you have a hankering to be a full-fledged, died-in-the-wool Kentucky Colonel, sharpen your shooting eye and head for Louisville.

Pull! hopes to have the new crop of Bluegrass Colonels ready for listing in our next issue.

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WHICH SLING FOR WHAT?

(Continued from page 23)

tages of other shooting slings. This sling is neat, simple, easily adjusted and installed. It weighs only four ounces, and is known as the Hayesling.

No man can shoot well enough from the off-hand position to make a telling shot on big game at long range. Opportunities for shooting from the prone position are rare in game shooting; the kneeling position is hardly better than the off-hand. That leaves the sitting position. Although the best of the shooting positions for hunters, lack of shooting practice in general makes a shooting sling essential for most hunters.

For persons of average build, the front swivel should be located exactly 15 inches forward of the trigger, not the trigger guard. When doubled flat and stretched back to the butt, the arm loop normally extends to the trigger guard—pistol grip area. I found that most men require nearly the same size arm loop regardless of height or build. Persons with longer or shorter than average arm length require a front swivel located somewhat forward or rearward of the standard 15-inch distance. To find your correct loop size, experiment with different length adjustments, until you find one that permits the rifle to be placed to your shoulder in a normal manner in sitting position, with supporting hand properly placed, and supporting arm engaged in the sling. The hunting sling should be snug, not as tight as a target sling, but by no means should it be on the loose side. Unless the sling is fairly tight, you won't benefit from it.

Here is how a right-hander gets into a shooting sling. The rifle is grasped near the balance point by the trigger hand, the left hand gives the doubled loop-strap a half turn in a counter-clockwise direction. The now upper strap is picked up by a finger of the trigger hand, and the loop drops open, and the left arm is pushed into the loop up to the armpit. With the Hayesling, the loop is instantly and automatically tightened by thrusting the elbows apart. With conventional slings, the right and left hands must now be exchanged on the gun so that the right hand can be used to place the keepers in position. The supporting hand comes up and over the sling, grasps the fore-end, and is moved forward until it comes to rest against the forward swivel. The right hand comes back to grasp the pistol grip in the shooting position, and rifle shouldered.

The front swivel's position determines where the supporting hand will rest, and the position of the supporting hand governs the direction in which the rifle will point when the sitting position is assumed. Consequently, the swivel must be positioned so that the rifle will automatically point toward the horizon, and not up or down. The front swivel position for you may be determined by first assuming the sitting position without the use of the sling, and then sliding your supporting hand back and forth until the gun points to the horizon.

Prone position shooting requires that the front swivel be located about 1½" forward of its normal location.

Slings for military and target use are usually fairly wide, 1¼" is standard. Not having to stay in the sling for long, the hunter should select a 1" or ¾" sling. If made of good leather, even the narrower width has strength to spare.

The "tail" of the shooting sling plays no part in actual shooting, but must be adjusted loosely enough to avoid strain or binding across the chest while the loop is being used. The tail restrains and suspends the loop in an easily accessible position and completes the circuit between the two swivels, thus making it possible to use the sling as carrying strap.

The properly adjusted shooting sling exerts considerable pressure on the rifle's fore-end. This pressure is partly transferred to the gun barrel. If the barrel is reasonably stiff and heavy and is carefully bedded, the normal sling tension will result in only a minor shift in the rifle's point of aim. A well-bedded, standard-weight bolt action rifle should give no more than one minute center-of-impact deviation between the tight-sling and no-sling shooting. Experienced shooters sight-in under the tight-sling condition.

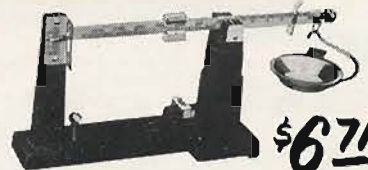
Improperly bedded rifles and especially those with slender, featherweight barrels, usually are sensitive to the slightest variation in sling tension.

Slings can help you bring down that buck, either on a long range shot or in the brush. But in order to get the most out of the device, you must learn to use it properly and speedily. Like most other things in shooting, once you get the hang of it, you won't understand why you had so much trouble with it in the beginning.

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Cal. 7.65MM



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Cal. 7.65MM



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Cal. 7MM



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Cal. 7.62 Russian



The rifle that won fame during the Squaw Valley Winter Olympics custom converted to sell at a gift price that staggers you on hill or dale and in your favorite masterpiece of the East now tamed for Western use. Designed for flawless service in the steaming tropics or frozen north. Only 7 1/2 pounds and practically indestructible. In good or better condition and wood NEWLY refinished and complete with forearm finger-rest for fast "shotgun" type tracking.

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Cal. .30-06



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Cal. .303



The only genuine, true, original Jungle Carbine on the market. Insist on an original while they still last and in good condition. BEWARE of the fake, crude copies floating around these days. Be sure of the best, original now.

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Cal. .303



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Cal. 7.5 Swiss



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Cal. .303 British



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Cal. 6.5 Dutch

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Cal. .303 British

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Cal. 9.4MM Dutch

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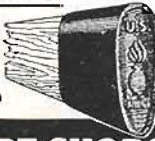
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A ROUNDUP OF 7 MM CALIBERS

(Continued from page 25)

all manner of game!"

Bell goes on: "The deadliest and most humane method of killing the African elephant is the shot in the brain . . . again the smallest bore rifles with cartridges of modern military description such as the .256, the .275 and the .303 are quite sufficiently powerful for this shot. The advantages of these I need hardly enumerate, such as handiness, lightness, and freedom from recoil. For the brain shot, only bullets with an unbroken jacket, i.e. solids, should be employed and those showing good weight, moderate velocity and with a blunt or round-nose are much better than the modern high-velocity sharp-pointed variety. The former keep a truer course and are not so liable to turn over."

This professional, one of the greatest hunters who ever lived, killer of more than 1100 pachyderms, must be listened to carefully and his opinions given weight. He favored the 7 mm, so it must have a lot on the ball!

The .275, so esteemed by the remarkable Bell, is not the garden variety 7 mm. It is an English version which utilizes a short magnum case. It is a shell with a belted head and quite a sharp slope at the case-shoulder. It is a development of Holland & Holland, and has been around since the turn of the century. Despite its antiquity, it still looks surprisingly modern. It was loaded by the Western cartridge company for a number of years, but enjoyed such scant popu-

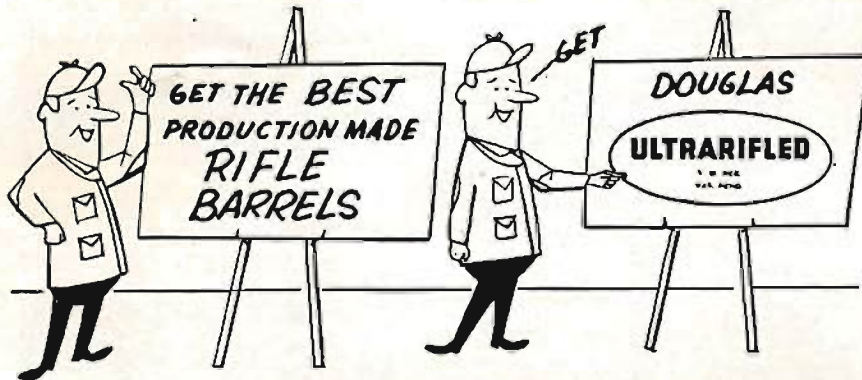
larity that it was ultimately dropped from the line. My old man, Maj. Charles Askins, in collaboration with gunmaker, John Dubiel, made up a wildcat, the .276 Dubiel, on this case. Like the original, it never went over very big.

The .275 H&H Magnum is still loaded in England and rifles are still in production by Holland & Holland. I have seen two of these guns in Africa in the hands of white hunters. The cartridge is looked upon as an excellent meat-in-the-pot number, good on any of the antelope. The current round drives a 160 grain bullet at 2700 fps. These are ordinary ballistics, indeed, in these days of jet-geosed super loads.

In the 7 mm category, there was another which antedated the .275. This was the .280 Ross. It was used by the Canadians during WW I, and while the rifle was on the weak side—it was a bolt gun but a straight-pull—the cartridge was a real whingding. It drove a 145 grain slug at almost 3100 fps which in its day, some 52 years ago, was really sumpin'!

As a matter of fact, the cartridge was away ahead of the bullet. The manufacturers in those bygone days did not know how to make a bullet which would hold together under velocities such as these. The jackets were too thin, and the Ross would sometimes blow up on the surface of tough-skinned game.

The original 7 mm has been around much



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longer than either the .275 or the .280 Ross. It was developed about 1890 by the Spaniards, and we had our attention rather forcefully drawn to its capabilities in 1896. That was the year we fought the Spanish in Cuba. The military from the Iberian Peninsula were shooting the 7 mm in their brand-new Mauser Model 1893 bolt action rifle. They were good shots, and the long 175 grain slug reached 'way out there and pinked many a good Yankee. Not only that, the Spaniards fired only smokeless powder, and it was hard to spot their riflemen. We were still shooting black powder, and it was easy to pick up our sharpshooters.

Right after this summer war, we decided to do two things: (1) Modernize our military rifle by the adoption of the Springfield Model 1903; (2) Investigate the highly lethal 7 mm cartridge. This we did, and both have been with us ever since.

The 7 mm was loaded in this country for a great many years in two bullet weights; the first, a 139 grain slug which turned up 2800 fps; the second, a 175 grain at 2490 fps. The 139 grain eventually went by the board; dropped, it is claimed, because of a lack of demand. The 175 grain load is still with us.

Norma, the great Swedish ammunition firm, today offers a choice of 3 bullets; a 110 grain with a speed of 3070 fps; a 150 grain at 2760; and the 175 grain at 2490 feet per second. Despite the well deserved popularity of the 7 mm, now more frequently called the 7x57, it has been thoroughly out-classed by the new family of souped-up 7 mm magnums. This is the age of the nuclear-powered sporting round, and old run-

of-mill out-dated cartridges like the 7x57 simply cannot keep up.

The 7 mm bullet measures .284". Despite this diameter, it is sometimes referred to as a .275, a .276, a .280, a .284, and at least in one instance, a .285. This is confusing but somewhat irrelevant. The main thing is that it appeals to a lot of smart shooters and hunters because you can get just about as much punch and wallop out of this bullet as you do out of a .30 caliber. And the really imposing facts are that this can be done with a cartridge which kicks less fired in a rifle which weighs less.

The sectional density and ballistic coefficient of the 7 mm is especially outstanding. These factors point up the truth that the bullet will carry 'way down range without dropping but very, very little and while it is reaching out to these maximum distances it is shedding only smallish bits and pieces of its initial velocity. These are extraordinarily desirable characteristics in any sporting cartridge.

Beyond this, and again quite happily, the 7 mm slug penetrates deeply and delivers a lethal killing effect, all because of its exceptional ballistic coefficient. Here is the way it stacks up in its immediate range:

Caliber	Bullet, Wt.	Sectional Density	Ballistic Coefficient
.25 cal.	87 grain	.188	.294
.264	140 "	.289	.482
.270	130 "	.241	.395
.30	110 "	.166	.261
.30	150 "	.225	.218
.30	180 "	.270	.288
8 mm	150 "	.205	.298

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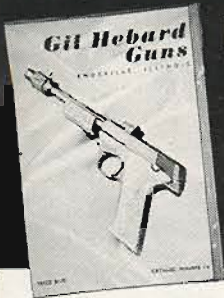
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GIL HEBARD GUNS
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One of the first and still one of the best of the modern family of 7 mm Magnums is the Mashburn, developed by Art Mashburn and Warren Page. Page, well known gun-writer and gun-editor, has downed more than 150 head of game with it in hunting trips around the world.

The 7 mm Mashburn Magnum was made from the .300 H&H Magnum case, chopped back from 2.850" to 2.635" in length, blown out, and a sharp shoulder added. This is a big fat case, with considerable powder capacity. Many loadings have been used, with 160, 173, and 180 grain bullets. The Speer Reloading Manual, notable for sane recommendations, says that, with the 160 grain Speer bullet No. 284-160-SP, 67 grains of #4831 will produce a muzzle velocity of 3090 fps. My own favorite load for my 7 mm Mashburn is 69 grains #4831 with the Nosler 160 grain bullet, for a velocity of 3100 fps. Higher loads have been recommended and used, but it is worthy of mention that loads heavier than these produce pressures too high for many run-of-the-mill rifles. An extra 50 or even 100 fps of velocity is hardly worth the risk, for Mr. Average.

A case in point (speaking of high pressures) was the much touted and ultra-high stepping Sharpe 7x61. Phil Sharpe used a belted case with measurements exactly the same as those of the .300 H&H Magnum. He whittled it down considerably in length (from 2.85" to 2.094"), blew it out, and added an abrupt 44 degree shoulder. Phil used both 160 grain and 173 grain bullets, claimed 3200 fps or better for both. Tests by the H. P. White Laboratory showed considerably less speed than that (3139 for the 160 grain,

2985 for the 173 grain), and reported pressures of 62,533 pounds per square inch with the 160 grain load, 63,910 psi with the 173 grain bullet. These pressures are much too high for safety.

An excellent 7 mm Magnum is the Weatherby. This past season my gun-swinging partner, Parker, took a Weatherby Mark V 7 mm Magnum to the North West Territory, in the vicinity of Great Slave Lake, and killed a Woods buffalo with it. The Woods is the biggest of all our bison. When the bison were all but exterminated in the late 1880s, the only remaining herd of any size were the Woods bison of the distant NW Territory. Mature bulls will range somewhere over a ton in weight. Parker collected a splendid trophy head. In telling me about the shooting he said, quite frankly, he had to place four 175 grain Nosler partition slugs in the huge humpbacked target to bring him down.

He then moved southward a few hundred miles and gathered in one of the largest Stone rams ever killed, with a curl on one side which measured out to 44 3/4 inches. This is a trophy for the Boone & Crockett manual. The 7 mm WM performed perfectly.

The Weatherby Magnum case can stow away a lot of the propellant, even though it is sort of a shorty. It measures 2.253" for length—not as long as the .270 Weatherby Magnum which has a linear dimension of 2.555 inches. The Weatherby drives a 160 grain bullet at 3140 fps out of the 24-inch Mark V barrel. Roy says he gets 3060 fps with the 175 grain bullet, and this in standard Norma cartridges; but this is but from a 26-inch barrel. There's difference of approximately 60 fps in that two inches!

There are other 7 mm magnums, literally scores of 'em! They are wildcats all, but unlike so many wildcats, most of these are very much worthwhile. Space precludes touching on all of them but here are a few:

An old timer and a good one is the .285 OKH. This is a 7 mm slug in an '06 case, first whumped up 30 years ago by Elmer Keith, Charlie O'Neal, and Don Hopkins. Elmer and Don, both ranking big game hunters, have killed trainloads of game with the wildcat. These days, the cartridge is more commonly referred to as the 7mm/06. It will push the 160 grain bullet at around 2900 fps out of the ordinary 24-inch sporter barrel.

Another one is the 7x64. This is the .270 case necked up to take the .284 slug. The 7x64 and the .285 OKH are twins; the former will boost the 160 grain pill to about 2950 MV, just like the old-timer.

That very well known gunsmithing team, the Luft boys of Spokane, have also contributed to the 7 mm magnum picture. Like Phil Sharpe, the Luft Brothers began with the .300 H&H Magnum casing. They sawed the shell off to a length of 2.440" (just a bit longer than the 7x61) and, with a 160 grain bullet, obtained velocities of 3060 fps. This was with a loading of 67 grains #4831 powder in Remington cases.

Fred Huntington, the RCBS tycoon, has cooked up a new magnum by necking down the .338 Magnum brass to accept the 7 mm bullet. Out of a 24-inch sporter, Fred gets 3110 fps with the 160 grain Sierra bullet. His load is 70 grains of 4831. With the 175 grain Hornady, speeds stand at 2925; the load 65 grains of 4350. This Huntington

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brainchild is generally referred to as the 7mm/.338. It is also called the 7 mm Belted Newton.

More recently, the Remington Arms Co. has brought out a 7 mm Magnum of their own. This is a load put up in the conventional belted case with sharp shoulder, of such a length as to work through the standard bolt action with ease. The Remington line of centerfire bolt action rifles has been shaken up and the Models 721, 722, and 725 have been cashiered in favor of a new number, the Series 700. This is essentially the original Model 725 except for the addition of an improved stock. The new stock is a Monte Carlo type, with a better-feeling pistol grip and forestock, slightly improved balance, and a bit sleeker appearance.

The new Remington 7 mm Magnum load will deliver a 175 grain Remington bullet at 3020 fps from a 25-inch fully chrome-lined barrel. There is also a 150 grain bullet which will drift along at 3260 fps, or so the company says. These two bullets are all that are currently offered.

This cartridge has been under development since 1946. I watched the new rifle and its 175 grain load drop two elk out at the Les Bowman hunting camp, Cody, Wyoming, last fall, and while one of these wapiti required 5 or 6 shots, it was no fault of the ordinance. The other bull was dropped cleanly.

It may be that the new rifle will prove better than its load, for certainly the cartridge has nothing to distinguish it from a number of its contemporaries. The standard for comparison among the 7 mms is based on the 160 grain bullet. All of them can register from 3100 to 3200 feet per second. The new Remington load, whether intentionally or not, has skipped the 160 grain; but as soon as the rifle and cartridge is in circulation, you may be sure the handloading clan will stuff one of the many good 160 grain slugs into the new Remington case. It will hit 3100-3200 fps speeds, just as the others will do.

Those who possess the .280 Remington M725 rifle will wonder if they may rechamber the rifle for the new magnum load. The answer is in the affirmative. Ballistics for the .280 are considerably below the hot-rock performance of this newcomer. The 150 grain bullet from the .280 has an MV of 2810 fps. The same slug out of the new 7 mm Magnum scats along at 3260. The 165 grain from the .280 does only 2775, while the 160 grain, when the reloaders get their hands on it, can be expected to do 3100-3200 at the muzzle. Yes, a prompt rechambering of the older .280 is in order. My own pet Model 725 Remington .280 is up with Art Mashburn, the Oklahoma City gun-shark, for this change-over as these lines are written.

In summation, let me say that I like the 7 mm Magnums. These are good cartridges for the sportsman who is looking for an all-around, all-purpose cartridge. Possessed of long-range, flat-shooting, hard-hitting qualities combined with good accuracy, the heavier bullets in the caliber all possess exceptional sectional density and splendid ballistic coefficients. Along with these sterling virtues, the cartridge does not generate much recoil. Because of this, the shooting man can get away with a rifle which is lighter in weight, handier, less cumbersome, and faster to bring onto the target.

Fast Guns In Seattle

Fast Draw is going great guns at the Seattle World's Fair. Under the management of Gerry Schafer and starring Arvo Ojala, Chuck Montero, X Brands (the "Pahoo" of the Yancey Derringer TV series), Astel Longwell, Barbara and Al Siegal, and George Fisher, the Fast Draw Theater show is a sure-fire attraction. Visiting



Montero, Arvo Ojala, and "Pahoo."

youngsters will be timed in Fast Draw, for worth-while prizes. Running from April 21 to October 21 also is a "World's Championship" Fast Draw contest, \$25 entry fee, best three-shot time throughout the show to take the title and top money—the latter to be \$5000 if enough entries are recorded.

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THE FORGOTTEN RIFLE

(Continued from page 19)

grown by trees and brush; and the original house, which was located about a quarter-mile from the dirt road, was laboriously moved in 1851 by a team of powerful oxen to the center of town, where it stands today. In excellent repair, it is now the home of postmaster Horace Moore, reflecting its colonial background against the quaint charm of this tiny village.

Little is known of Peabody's early efforts, trials, and failures. However, we do know that, although his gun was adopted and manufactured by the Providence Rhode Island Tool Company, three long years elapsed before it reached the testing grounds of the Springfield Armory.

In January, 1865, the United States Army

Ordnance had 64 systems of breech-loading firearms under consideration. Extensive tests gradually slimmed the number down to eight. Then the endurance tests began.

For ten days, the competing arms were rusted, exposed to the elements, drenched daily with water. They were subjected to freezing temperatures under blankets of snow and ice, then quickly thawed and dried by excessive heat, without wiping or dismantling.

These violent experiments narrowed the field to four. Then came the final challenge. Charges of 60 grains of powder and three balls, each weighing 450 grains, were loaded and tested. Gradually, charges were increased to five balls of the same weight, and 80 grains of powder. It then became evident that Peabody's rifle was the only firearm capable of withstanding the pressures.

Despite this show of strength, and realizing that these tests far exceeded former requirements, the Ordnance board boldly demanded even greater powder charges. This time, five balls, totaling some 5 ounces of lead, were backed up by a charge of 120 grains of powder.

The Peabody Rifle still did not burst!

A glowing report was immediately drafted: "We unquestionably recommend the Peabody arms to be considered for military service."

But it was too late! On July 12, 1866, as the nation slowly began to recover from the Civil War, General A. B. Dyer, Chief of Ordnance insisted: "The necessity for immediate selection of a model having ceased to exist with the termination of hostilities, further action is suspended."

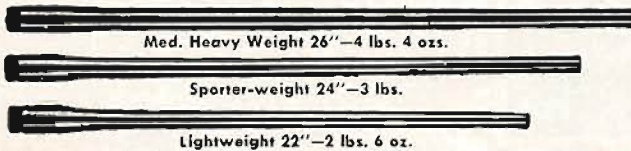
At the time Peabody's "side-hammer" design was doomed by the Army big-wigs, the Canadian government was, in turn, delighted with its possibilities. That same year, 3,000 Peabody rifles were shipped to our northern neighbors. One year later, Switzerland confirmed the gun's excellence by ordering 15,000 for their .41 rim-fire caliber ammunition, while 25,000 guns were earmarked for Roumania, chambered for a .45 center-fire cartridge.

Other orders soon followed. France was supplied with 39,000 guns adapted to a Spanish cartridge for use during the Franco-Prussian war, and a limited number arrived in time for one of Cuba's numerous and turbulent revolts.

The over-all length of the Peabody rifle was 53 3/4" with a 33" barrel, and the gun weighed slightly over nine pounds. It seems almost certain this was the gun mentioned in reference to New York States' ".433 caliber," while Massachusetts adopted the same cartridge and caliber for their state militia.

Fredrich Martini, impressed by the enthusiasm of the foreign countries, attempted to improve the design of the Peabody action. However, his "improvement" was practically a duplicate version of Peabody's second design, which later became known as the sleek "Stricker" model or the "Peabody-Martini." This gun accepted a standard charge of 80 grains of powder, a plain lead bullet, and weighed approximately 8 1/2 pounds. Turkey placed an order for 600,000 of these guns in 1877 for the anticipated Russo-Turkish war.

The Peabody-Martini carbine was some-



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Sporter-weight 24"—3 lbs.

Lightweight 22"—2 lbs. 6 oz.

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Sporter-Weight	1 1/8"	.615"	24"	3 lb.
Med. Hvy. Wgt.	1 1/8"	.700"	26"	4 lb. 4 oz.

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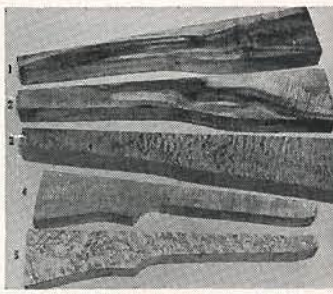
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thing different. Said Phillip B. Sharpe in "The Rifle in America": "This gun was somewhat shorter than the standard rifle, bearing a barrel between 20" and 21". The two cartridges (rifle and carbine) were both bottlenecked and are extremely rare at this time. Indications are, both types had a paper-patched bullet, but whether this was purely for target purposes or military use is not established."

Birmingham Small Arms fitted the Peabody-Martini action with a .22 caliber barrel and custom target stock, producing a #12 small-bore match rifle. This gun proved to be a very accurate and efficient small-bore rifle, one that is still popular today as a target and sporting arm.

The English also took a crack at improving the Peabody-Martini. Alexander Henry added a fancied improvement in the form of a "not-new" rifling system, and the outcome became known as the "Martini-Henry"—leaving Peabody's name out entirely!

In the late 1870's and early 80's, American military men once again attempted to adopt a good army rifle. Despite its worldwide acceptance, Peabody's gun still had little chance of getting the official nod. The customary system of selecting a rifle was to modify and, if possible, improve a previous arm, and this system still prevailed.

The Army brass dawdled, refusing to make a design change for fear that a vastly superior rifle would suddenly appear after a commitment. Consequently, the old Springfield Model 1860 was finally put into oblivion and the Springfield breech-loading rifle, Model 1873, or the old .45-70, was selected. According to Ellis Christian Lenz, noted gun authority and author of "Muzzle Flashes": "This particular rifle had a latch-breech which popped open occasionally at the wrong time, but since it was a fairly accurate shooter, it was OK'd by the 'brass-hats' of the day."

One of these brass-hats jadedly declared in defense: "The present improved arm cannot be rendered worthless by the introduction of an improved weapon, because as long as small arms are fired from the shoulder and the propelling force is gunpowder, the caliber of gun and dimensions of cartridge, now regulation, will be changed and the improvement will only consist in more rapid manipulation and increased rapidity of fire."

This long-winded report came from the Chief of Ordnance in 1878!

Emphasis was still on "improvement" rather than on something new and different. Thus, near-sighted blundering caused the United States Army to lose what some believe to have been the best single shot breech-loading action of the time . . . the Peabody rifle.

In 1920, the Peabody rifle once more banged itself into prominence. This time, the Swiss government employed it during an International shooting event and the U. S. team lost the match ingloriously.

To save face, our shooters were speedily outfitted with rifles bearing the American-Peabody action. But the reporters of the day insisted they had been forced to use "foreign guns" in self-defense. The Peabody rifle had been away from home too long!

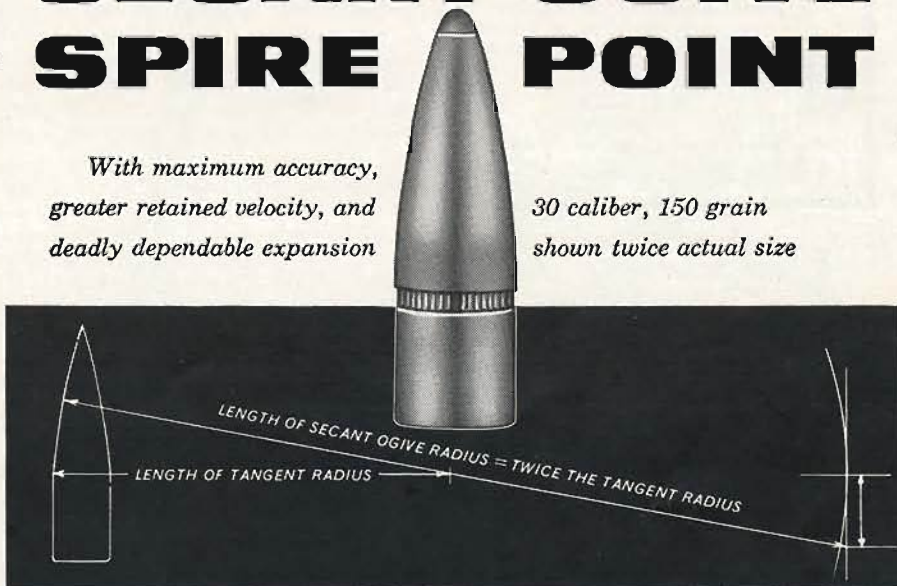
Henry Oliver Peabody rests today in the local cemetery of Boxford. Buried beneath the dust of time, he is forgotten by a nation he might have served in its time of need.

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*With maximum accuracy,
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*30 caliber, 150 grain
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As you see from the bullet illustration and diagram above, our formerly straight spire point now has a slight curve. This curve is drawn with a secant radius—twice the length of the tangent radius (used in spitzer bullet design).

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How long the point of a bullet?

The longer and sharper the point, the less the air resistance to its flight and the better the retained velocity and energy at long range. But if too long, the bullet loses stability and accuracy.

To shoot accurately, a bullet must also have an adequate amount of straight bearing surface against the rifle barrel—long an outstanding advantage of Hornady spire point bullets.

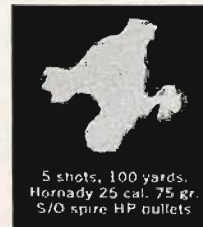
So point length is precisely calculated to provide the longest point that will

maintain maximum accuracy.

Sharper points with the secant

The secant ogive spire shape enables us to produce bullets with sharper points for more retained velocity than bullets of other design. It makes possible both a more efficient point shape and maximum bearing surface for deadly accuracy at long range.

We made and fired innumerable test bullets with slight variations in point length and shape to arrive at this optimum profile—and a more handsome one, too.



The shooting proves the point

This test target is only one of many offering conclusive proof of the fine accuracy achieved. This accuracy combined with more retained velocity and energy assures exceptional hunting results. Performance on game is impressive.

Hornady spire point bullets are now being made with the new secant ogive point shape—and your shooting will prove our point.

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(Continued from page 31)

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their equipment, the tactical handling of snipers, their duties and their use in over-all deployment of troops. Observation training included the proper use of telescopes, binoculars, and locating enemy fire with their equipment. Field training comprised camouflage, movement, and stalking, while actual shooting exercises, dusk firing, recognition of targets, estimating distances, and field problems constituted the final phase of training.

The sniper graduating from the Bisley school joined his combat unit—a well trained, well organized, and capable soldier, a hunter of men. It is amazing to find then that the British sniper had equipment that served him well and that it was at least on a par with sniper equipment of nations who had long prepared for such warfare.

Perhaps the most distinguishing mark of the British sniper was his Dennison smock. Worn over the light battle dress, the smock was absolutely wind-proof, very roomy, and replete with many pockets. The camouflaged smock shortly became the symbol of the expert rifleman in battle conditions and was worn proudly by the men who were entitled to wear it. In addition to the smock, each sniper was issued two face veils, camouflaged

in brown or green, to conceal the face and break the outline of the head. In contrast to other sharpshooters, the British sniper did not wear steel helmets.

Other equipment issued included a prismatic compass that each man had to use extensively before graduating. Special combat watches were also issued. Each sniper carried two hand grenades, 50 rounds of .30 caliber ammunition, plus five rounds of tracers and five rounds of armour piercing ammunition. Ammunition was carried in a leather bandolier worn over the shoulder. In combat, snipers carried a water canteen, one emergency ration, and tubes of green and brown paint to apply over face and hands.

When British snipers worked in teams, they were issued two other pieces of equipment. One was a 20X, three-draw type telescope with sunshade, with a shutter on the eyepiece. This was a precision telescope of excellent quality. The other item of equipment was a standard military 6x30 binocular.

The first sniper weapons issued were Pattern 14 (P-14) guns, originally made in the United States during World War I, and chambered for the British .303 cartridge. When the U.S. entered the first fracas, a stock of the P-14's were rechambered for the U.S. Cal. .30 cartridge and the gun then became known as the Enfield, M1917. Between World Wars I and II, the British Army changed the name of the P-14 to No. 3, Mark I and Mark II*. This was the rifle issued to the newly trained snipers after a Pattern 1918 telescopic sight was fitted to the arm. Once a gun was equipped with telescopic sights for sniper use, the designation of the arm received an additional (T), thus making it the Rifle No. 3, Mark 1 (T), Cal. .303.

The Pattern 18 scope is mounted on the forward part of the top of the receiver and on the left side of the rear sight bracket. Mounting is accomplished by means of two legs on the scope that fit into the front mount, while a similar rear leg on the scope fits into the left side of the rear sight bracket where it secured with a swing-over locking bolt. The telescope is sighted over the axis of the bore. Magnification of the Pattern 18 telescopic sight is 3X, field of view is 7.5 degrees. The scope is equipped with a focusing method and windage adjustment. The reticle consists of a crosshair and a post or pointer that is adjustable by means of the range drum on the scope. Aiming through the Pattern 18 scope is achieved by moving the head until a clear sight picture is obtained. Eye relief is, of course an individual matter, but it averages between 1½ to 2 inches. If blurring occurs, especially on the edges of the sight picture, sighting is improper and the head is not positioned correctly. To aim, the tip of the marker or post is placed on the target at 6 o'clock. When not in use, the scope was carried in a leather case, and the breech of the arm was covered with a special cover. This British sniper rifle did not have a cheek piece attached to the stock.

Another adaptation of the Pattern 14 rifle issued to British snipers was the Rifle No. 3, Mark 1* (T) A, also chambered for the .303 cartridge. The Aldis scope was mounted

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with off-set mounts which are a permanent part of the arm. This scope strongly resembles the Pattern 18 scope, but lacks the windage adjustment. Windage adjustment is accomplished through the mount which, incidentally, places the telescope above and slightly to the left of the bore. In order to overcome the obvious sighting disadvantage, this arm came equipped with a detachable cheek rest, fixed to the rifle stock by means of a wood screw.

Inasmuch as the scope mounting precluded the use of a breech cover, a cover that enclosed the scope and the breech was issued. Why did our British cousins go to all the trouble with the Pattern 14 rifle when they had standard SMLE Mark 3 rifles on hand? Basically, it was a matter of accuracy. The P-14 has a stronger receiver, the barrel is heavier, and the locking lugs are at the forward end of the bolt—and this means that the gun has greater degree of accuracy than the SMLE, especially at the shorter ranges.

Late in 1941, a new sniper rifle was issued after gruelling Ordnance and field tests. For regular troops, the gun was earmarked as the No. 4, Mark 1; with a special sniper scope, the gun became known as Rifle No. 4, Mark 1* (T). The telescope No. 32 was originally issued for the Bren light machine gun, and was then adapted for sniper use. Magnification of the scope is 3X, field of view 9 degrees, and reticle arrangements are identical to that already described.

Mounting of the scope was accomplished by means of bases fastened to the left side of the receiver. Two thumbscrews on the scope fit into the bases, and the spring washers of the screws fasten the scope securely. The telescope has sunshades at both ends, but it lacks the focusing adjustment of the earlier scope.

The Rifle No. 4, Mark 1* (T) is issued to each sniper in a rifle chest that contains all the essential accessories. The telescopic sight is housed in a metal case, the rifle chest is equipped with carrying straps. Inasmuch as scope and gun are fitted together at the factory, both pieces of equipment are marked not only with their own serial number, but also with the serial number of the matching piece. The telescope case is furnished with a leather sling for easier carrying, and also contains leather lens caps, telescope adjusting tool, and cleaning material.

The stock of the rifle is equipped with the now standard cheek rest, and an American-type loop sling has been added. On the inside of the lid of the gun case, the sniper finds not only a complete listing of the contents, but also instructions for the care of his weapon. Although this sharpshooter kit and content are of acknowledged merit, the British sniper has been saddled with a gun and optical equipment that complicates his work: Gun weight alone is 9½ pounds, and the sighting equipment adds another 4 pounds! This weight factor hampers the sniper who must move easily and without being encumbered by equipment.

Despite the fact that the British Tommy got such a late start as a sniper, when he did get into action his training and equipment made him a man to be feared. That he *was* feared was evident in the extreme precautions the enemy took against him.

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THE GUNSMITHS OF DARRA

(Continued from page 30)

stamped ADDRESS COL. SSAML NEW NEW AMERICA, (as near as I can recall) with some of the S's lying on the side, for a change. Found by a collector in Turkey, they came once upon a time across the Great Road of Cyrus on the laden back of some groaning, fussing Bactrian camel, from the market place in Darra to the bazaars of the Golden Horn. But the modern list of arms from Darra is most impressive. Fabricated there currently are:

Shotguns, Martini system, single shot. Though not so good as Messrs. Greener's reputable Birmingham-made "GP" gun, they look almost as fine from a slight distance. And should Greener's be so unwary as to allow a genuine proof tested GP gun to fall into the hands of these clever tribesmen, you may be sure that very soon the big GP trademark will be seen "bootlegged" in Karachi

or Delhi, impeccably imitated on the side of a Darra-made imitation.

Rifles, Lee Enfield system. The Darra craftsmen roll with the times. Before World War II, Darra turned out the early models of Enfields. Though made of railroad iron, firing bullets salvaged from Army target butts and carefully filed clean of rifling grooves, these arms did constitute a war reserve potential which the Indian Government was unwilling to destroy. For years prior to 1941, the British administration in India had considered shutting up the Darra factories. As Brigadier C. Aubrey Dixon, subsequently Chief Inspector of Armaments of Pakistan, puts it, the closure "never came about because of many major political considerations." Certainly one major political reason was the strategic location of these independent tribesmen across the route of access to the Indus valley and the plains of India, from the North. India, historically fearful of invasion from the North, preferred to keep the mettlesome Afridis in business to give warning and a first defense line in case of invasion. Closing the tribal factories would not have been practical, anyway. The Afridis, if refused the right to labor in the craft they loved (and lived by) would merely return to pillaging and border raiding. Further, every cottage in the hills was engaged in one way or another in this gun trade, the families filing out parts, to scale if not to gauge, for later assembly in one of the village shops. If the trade was suppressed in one place, it would merely spring up again somewhere else.

But one practical suggestion was attempted: buying up the output for use by the Police. The quality of the Darra products was too poor to make the police very happy, but it was the right idea. In 1942, the tribesmen agreed to the removal of all their "machinery" to Peshawar, where six separate "factories" employing over 800 men were in operation by January, 1943. Tabled "Police Arms Factories," these stable-boy craftsmen were producing 1200 rifles a month—about 1½ rifles per workman per month. Not bad, for hand tools, hand (or foot) powered.

Rifles made in Peshawar were Lee Enfield No. 4, and the Martini-Henry. The Martini was more popular with the Afridis, who recognize, as the mark of top quality in this rifle, the Imperial Crown over VR—made during the reign of Queen Victoria! Hence hill rifles stamped with these markings—but dated 1946 or later—are still made!

A special Darra version of Mauser cum Enfield has been built in the hills. It has the receiver and two-piece stock of the Lee Enfield, but the barrel and front band, with bayonet stud, are finished like the short M1924 Mausers. Caliber is almost invariably .303, but 8 mm is also made. Whether .303 cartridges will work in Darra 8 mm rifles, and vice versa, is an experiment I have not cared to try.

Basic copies of the Mauser have been made, usually the 1924 type commercial guns. The Model 1914 .303 "American Enfield" and the M1917 are also copied, and a few Springfield are for sale. The influence of the Mauser salesman in the days prior to WW II when Germany was not supposed to be making rifles is still strong. Though a Springfield-

(Continued on page 46)

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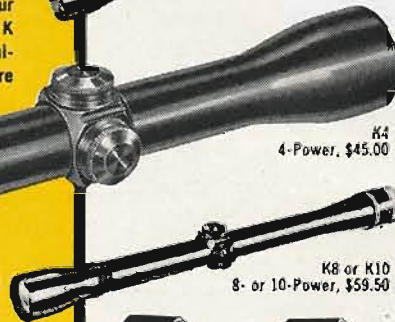
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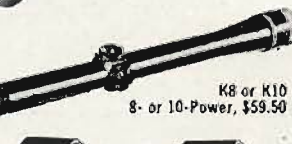
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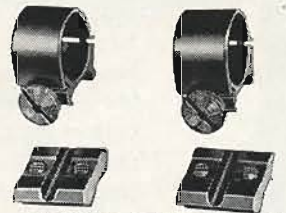
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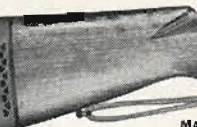
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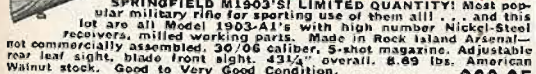
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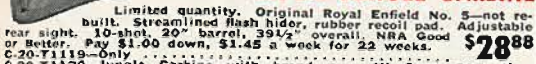
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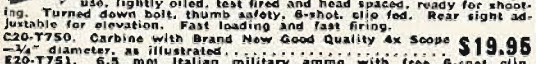
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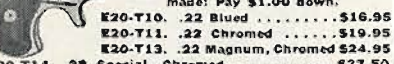
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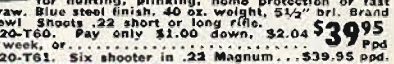
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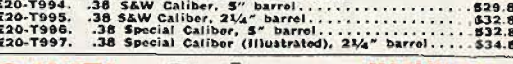
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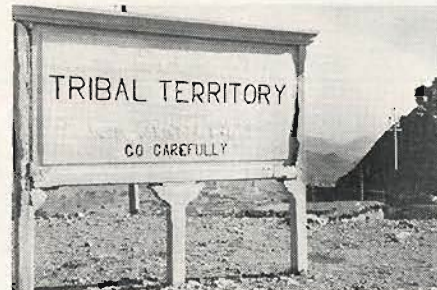
(Continued from page 44)

copy vendor was overheard proclaiming the virtues of his rifle by crying "The Americans won the war, didn't they?," his customer, who preferred the Mauser, was not convinced.

Handguns of Darra are so closely imitative as to fool the most discerning. Precise copies of the popular .38 Webley Mark III pocket and police revolvers are made with every Webley mark upon them in very neat simulation. The tops of the barrels used to be stamped "Made in U.S.A., Birmingham and London," but somebody finally explained where Webley is located, and now the words are simply, "Birmingham and London." The finish of these little pistols, with their recoil plates drawn to a bright straw color in simulation of Webley's finish, and their rich chemical blue, is surprisingly good; but there the quality ends. Others do, but I wouldn't shoot a Darra Webley on a bet.

Less neat are the .303 Martini pistols. Chambered for the .303 British Rifle cartridge, these sawed-off jobs are true pistols, built on the big military Martini rifle action. Inevitably, I suppose, some gun bug will get the yen to fire one of these, mainly to see if he can "take" it. I strongly advise, if you must do so, using a long, long string. The ammunition sold in the Afridi shops is not SAAMI standard fodder; it is much weaker, put up in old British, Canadian, South

African, Australian, and Indian-made cases, with bullets recovered from the butts and filed clean. Primers, as often as not, are actually reprimed — by knocking out the dents and filling with some mixture such as potassium chlorate or old match tips. The gunpowder may be any weight: say 32 to 38 grains, on the average. Chopped movie film is preferred! Velocities for this .303 are low,



under 1300 f.p.s., and the main difficulty is getting the bullet out of the barrel. In a Martini pistol made for this junk, a good round might blow it up.

Since 1946, automatic arms have been appearing in increasing numbers in the hills. The tribesmen are reluctant to show anybody the shops where these guns are made. Very good copies of the 9 mm M1938 Beretta "moschetto" are made, and the Sten gun is also copied. Fabricating the Sten is rather ridiculous, except for its durable qualities. The Sten was designed to be made cheaply by machinery, with a minimum of hand work. Chopping one out of rails and Belgian steel blanks is not easy.

It is reported that automatic pistols are now made north of Peshawar. Lugers are mentioned, but their existence is doubted. But if the Darra workers should manage to add the Luger to their list of wares, they would have achieved a real triumph. With movie-film ammunition and bullets undersized from shooting once before, to get any reliable functioning in a Luger would be a miracle.

Their tools are from the Early Iron Age, but the Darra gunsmiths have been hit by modern inflation. Ammunition prices between 1954 and 1959 have more than doubled, from about 9c a round to about 25c. Martini and Lee Enfield rifles that cost between \$39 and \$60 in 1954 have risen lately to \$50 to \$250. Webley revolvers at \$18 (1954) have increased to \$25, and automatic pistols are said to bring \$100. The strict Communist regime in Tibet has caused some of the inflation: formerly, Chinese soldiers were willing to lose their rifles to the Tibetan chieftans for very little. Now, if a Communist Comrade peddles his one-time Lend Lease M1917, he may lose his head. With demand reflecting the supply, the Darra makers have hiked their prices accordingly.

Like arms makers the world over, the Darra tribesmen take no part in the great global conflicts which rage around them. They are content to work hard and make rifles, do a little shooting up of the countryside to let off high spirits, and then settle back to the serious business of gun trading.

Vice President Lyndon Johnson recently invited a Pakistani camel driver over to the U.S.A. to show him how things are done here. I'd like to invite Darra rifle factory owner Akbar Shah over to an American gun collectors' meeting. I think it would be quite an experience for both of us!

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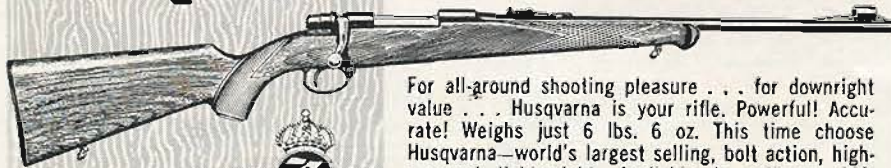
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THE HOW-TO OF FAST DRAW

(Continued from page 18)

around the hips just below the waist line so as to cause the thumb to be even with the hammer when your arm is held naturally by the side. This style is also tied down with a leather thong.

Andy Anderson, former foreman of Arvo's, went out on his own and developed the walk-and-draw type holster. It featured the first forward slant, and is worn higher up around the waist. This style holster also changed the technique of fast draw from cocking the gun in the holster to drawing the gun and "fanning" the shot off. The Las Vegas "Shoot-out" type of competition, a favorite with the spectators, has influenced this type technique.

The latest type of walk-and-draw holster is made by Alfonso Pineda, who added more steel to the belt and holster, and gave the holster still more forward slant.

There are certain fundamentals in drawing a gun that must be mastered to succeed in Fast Draw. Once these elementary rules are fulfilled, then it is just a matter of practice and developing your own special technique.

In the first method of Fast Draw, the gun is cocked in the holster. This is accomplished by extending the hand about six inches forward from the initial point of contact with the gun, which in this case will be the thumb striking the hammer. The hand is brought back sharply, and the cocking of the hammer is accomplished by striking it back with the outstretched thumb before the last three fingers even touch the grip to make the draw. For absolute safety, keep the trigger finger extended alongside the trigger guard until almost on target.

Once you are in position, the draw is a simple three-step sequence: (1) thumb drives hammer back; (2) fingers close on grip, yanking gun clear of holster and pointing it; (3) finger closes on trigger to fire the shot. Always concentrate on this sequence; start practice in slow motion, increasing speed only as the flow of movement is perfected.

The second method of Fast Draw is called fanning. With this method, the gun is drawn with the right hand, the trigger is immediately depressed as the gun is drawn. The left arm is extended across the front of the body about waist high and the hand is open, palm upward, just forward of the holster. As the gun is drawn forward toward the left hand, the edge of the left palm strikes the hammer. Quite contrary to the old fashion idea of fanning a single action until the gun is empty, in Fast Draw only one shot is fired.

In the case of left-handed shooters, there are left-hand holsters available, and the same techniques can be applied in either methods.

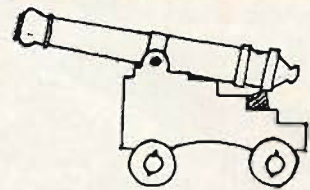
The fourth and final basic fundamental of Fast Draw is ammunition, and I have left it until the last in the hope of giving it added emphasis. There are two—and only two—kinds of ammunition permissible in the sport of Fast Draw. They are blanks (.22 or larger), and cases loaded only with primers and wax "bullets," no powder. Ball ammunition should never be used in any form of Fast Draw practice or competition.

In the early days of Fast Draw as a sport, blanks were used far more than they are now. Times were all that mattered, and

times can be extremely fast with blanks, since accuracy (hence, aiming time) is not a factor. Blanks are seldom used now except in the Las Vegas-style "shoot-out" contests, in which eagle-eyed judges try hard to make sure that the gun is at least pointed level before the shot is fired.

But most shooters find it far more interesting when accuracy is a part of the contest, and wax ammunition makes this possible without danger to shooters or spectators. The only "bullet" is a wax wafer cut (often by using the cartridge case itself as a cutter) from a quarter-inch-thick sheet of ordinary wax—the ordinary kitchen paraffin obtainable at any grocery store. Commercial wax bullets are also available, ready-cut to various calibers; and wax-loaded factory ammo can also be purchased. In all instances, handloaded or commercial, the primer is the only propellant; no powder is used.

These pellets, at ranges of about 15 feet, strike with sufficient force to actuate the timer-targets which record the shooter's speed, and they mark the targets to prove hits. Ammunition for Fast Draw is the cheapest (and the safest) of all ammunitions used in any of the shooting sports. It places accuracy on a par with speed in the scoring, which is all that even the heaviest bullet loads could do, and does it without jeopardy to life or limb. Remember, Fast Draw (the sport) is not a combat training course—any more than bowling is meant to teach delivery of hand grenades! Once you learn to draw correctly, then practice for smoothness, ac-



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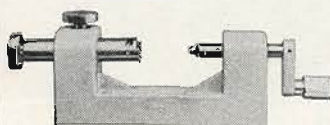
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curacy, and finally, speed. Practice dry firing until you have the fast draw technique perfected. Then, and only then should you progress to shooting wax bullets or blanks.

Like any sport, fast draw also has a standard set of rules that govern most contests. The main rule is "Safety First!" Respect a gun as loaded until proved otherwise. Always check a gun to make sure it is not loaded. Be your own policeman; check and double check any gun that you handle. Never carry live ammo, wax bullets, or blanks in cartridge belts of fast draw rigs.

Here are a set of contest rules that govern most Fast Draw contests, with the exception of some slight modifications in certain areas.

1. All guns must be single action type, with a minimum of 4¾ inch barrel length, center fire.
2. Contestants will furnish his or her own ammo. *Positively no live ammo.* Only wax bullets will be used. Only primer will be used in discharging wax. Positively no powder. Brass and primers must be the same caliber as the bore of the gun. No 5-in-1 brass, etc.
3. Guns may have minor alterations made to suit the individual taste. No essential parts may be removed from the gun or made inoperative. Hammer spur may be turned up or out and lengthened no more than ½ inch above the horizontal top of barrel. Trigger ring may be cut down but not through. Lock slots may be deepened but not through chamber wall. Sights may be altered to suit individual taste, or removed. Guns must have a full hammer fall.
4. Holsters must be open top western style. No swivel or "half breeds" are allowed. At least 90% of the cylinder and all of the barrel must be covered by the holster. Degree of slant allowable, 20% from perpendicular.

5. Guns and ammo must be encased and locked at all times, except in the shooting area.
6. Misfires, broken parts, or missing the target will be scored as one hundred or a full second.
7. Contestant will load only 5 rounds. No more, no less. If gun or ammo become defective while shooter is competing, contestant may borrow another gun or forfeit contest.
8. Neither hand is to be closer than 6 inches to the initial point of contact with the gun.
9. The gun must be fired in a direction so as to hit a target, robot, or silhouette placed at 15 foot distance. The target should be a man size silhouette. Scoring area should be between the knees and top of the head. A light signal will be connected in the silhouette or robot's eyes.
10. Electrical timing device will be used in all contests.
11. Total of ten draws—five draws in each phase. One phase: Standing reaction. Second phase: Walk-and-draw against silhouette target.
12. a. Standing reaction will be 15 ft. away from silhouette. The contestant stands and waits for the silhouette's eyes to light up, which is the command to draw and fire at the silhouette.
b. Walk-and-draw will be from 21 feet to 15 feet. The contestant starts walking toward the target at 25 feet. When the contestant reaches the 21 ft. mark, somewhere between the 21 ft. and the 15 ft. mark the silhouette's eyes will light up, which is the command to draw and fire at silhouette. If the contestant passes the 15 ft. mark, no score. The contestant must shoot that shot over again.
13. JUDGING: There will be one shot per walk, best three out of five shots scored in each phase. Officials will check contestant's weapon before and after each elimination to insure the gun being empty. Weapons will be loaded at the firing line only, and pointed down range. Any distraction to contestant, Judges or timing officials may call "No Contest." Failure to fire gun because of malfunction or ammo will not be grounds for "No Contest." Judges will have final authority to disqualify any contestant for the violation of these rules or any unsafe act. Only the Judges or shooter contestant can contest any breach of rules.
14. All rules will be strictly enforced by contest officials.
15. A minimum of five practice shots in each phase; more if time allows.
16. No fancy gun handling allowed, unless cleared by judges. Also 5-in-1 blanks, or similar type blanks, must be approved.
17. Normal returns of guns to the holster on firing line.
18. Only alibi is timer malfunction. *Judges' opinions are final.*
19. All safety rules will be enforced at all times.
20. There will be at least 3 judges. Hand judge, target judge, timer judge.

Any one who is interested in joining a fast draw club or forming a club, please contact the Mid-Western Fast Draw Association, 5096 Wick Dr., Oak Lawn, Ill.

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TRY JERKING THE TRIGGER

(Continued from page 27)

squeeze. Sometimes the shooter will admit that he jerks the trigger when I ask him if that isn't what he does.

The fast squeeze is simply what the name implies—the shooter squeezes the trigger in a fast manner. An educated squeeze is the method of putting pressure on the trigger until most of the pressure is taken up. Then, when the sight picture looks right, the shooter takes up the rest of the pressure and gets off the shot.

I have had four different rifle coaches since I began to shoot in competition, and none of them have ever told me to jerk the trigger. They all said to squeeze the trigger in the off-hand position. I am sure this is standard for most coaches, and yet most shooters will admit that they "squeeze" the trigger differently as they move from the prone, to the sitting, to the kneeling, and to the off-hand positions. Most shooters squeeze the trigger several times faster in the off-hand position than in the prone position.

It is this fast squeeze that coaches are afraid of, and rightly so. It is easy for a shooter to have a poor sight picture and to yank his trigger in the hope that the sights will be on the bull by the time the round is fired. But it is equally easy, while squeezing the trigger slowly, to find that by the time the round has left the chamber, the shooter has a bad sight picture and a bad shot.

The shooter who jerks his trigger watch for several pitfalls. He can not expect a good shot by jerking his trigger as the target moves past, for he must have a good sight picture. He need only be "on the bull" for an instant, but in that instant he must get off his shot. He must jerk his trigger straight back, taking care not to pull his rifle off the target. Position, natural point of aim, breathing, sight picture, steady hold, and trigger control are all essential elements of shooting that every marksman must observe, especially the shooter who jerks his trigger.

This year I have fired a 97 or better out of a 100 possible in the off-hand position at least ten times. My highest match score was

a 99, and in practice I fired my first possible. I offer this as proof that good scores can be fired using my method of jerking the trigger, and as an incentive for other shooters to give this method a trial.

In firing off-hand, I employ the regulation N.R.A. approved position, using a palm rest, but no butt hook. When firing the rifle there are three points I concentrate on primarily. These are the sight picture and sight alignment, holding of the sight picture, and getting off the shot. The latter is the most important part. I hold my sight picture until I am satisfied with it, then jerk the trigger, moving only my trigger finger. If the shooter twitches his shoulder muscles, twists his wrist, or blinks his eyes as he jerks his trigger finger, then that round will miss its mark. If, however, the shooter holds his sight picture, flicks his trigger finger, and continues holding the sight picture until the round has cleared the rifle, he will have fired a shot that really counts.

I have been shooting competitively for five years, and began perfecting my trigger jerk in the latter part of my junior year in high school. I have chalked up several wins of which I am especially proud, and I have used the trigger-jerk to achieve them. These include winning of the Virginia State Military High School Championship 1958-59 at Fishburne Military School in Waynesboro, Virginia. That same year I won the William Randolph Hearst National R.O.T.C. Rifle Match in the military high school division. The highlight of my shooting career was being selected to the All American Collegiate Rifle Team in 1961 while a sophomore at the University of Alaska. Recently I won High Individual in the Kansas State Turkey Shoot held at the Kansas State University in Manhattan, Kansas, in November, 1961.

I am not suggesting that every shooter use my method of trigger pulling, but I am certain that it could improve the scores of some shooters. My scores are improving, and I offer my method as a possible solution for those shooters who are not satisfied with their present off-hand scores.

Instead of squeezing your next shot, try holding the sight picture and jerking the trigger. Give this method a fair trial, and see if you don't get better scores. If not, then go back to your former method, but remember, good scores do not come for the asking. They are the result of practice, patience, determination, and—a will-
ingness to learn.

EDITOR'S NOTE

John Stuart Watkins was born on December 9, 1939, in Richmond, Virginia. His home was in Charlottesville, Virginia, where he resided with his mother and brother. He first became interested in shooting while a cadet at Fishburne Military School in Waynesboro, Virginia. Upon graduation from F.M.S., he enrolled at the University of Alaska where he is majoring in education. At 22 he is married and has a two-month old son. After graduation he will go into the Army as an R.O.T.C. 2nd Lt. He hopes to make the Army Marksmanship Unit at Fort Benning, Georgia. Watkins will make Fairbanks, Alaska, his home when he leaves the army, and plans to teach in the elementary schools there.

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GUNS THAT FOUGHT OUR COLONIAL WARS

(Continued from page 21)

half feet long, and had an attractive curly maple or "candy striped" stock with an inlaid patch box in the butt. The firing mechanism appeared to be complicated, but actually was a primitively simple flintlock.

The Kentucky rifle was so named because of its extensive use in that vast, dimly defined frontier wilderness called "Kentucky" that stretched from the edge of coastal civilization to who-knows-where. Soon hundreds of frontiersmen were daily staking their lives on this invention; and to this very day, a finely made "Kaintuck" squirrel rifle will still outshoot all but the best products of modern technology.

When you look at a fancily turned Kentucky with its elegant and painstakingly engraved fittings and rococo curlycuts, you might get the impression that it was the personal property of some satin-swathed fop. Nothing could be further from the truth. To the American pioneer, his rifle was first and foremost a basic and indispensable tool, not a fancy toy. However, in the long, lonely months when the only things a man had to remind him of far-off humanity were the scanty few items he could tote with him, it was psychologically sound practice to have some comparatively opulent reminder of civilization at hand.

The long, slim Kentucky rifle was "it" as far as the frontiersmen were concerned, but their chosen gun was almost unknown and unfamiliar in the coastal colonial cities. Here the traditional European preference held for

musket-pattern flintlocks with smoothbore, 3/4 inch diameter barrels which fired loose fitting, inaccurate round balls. The logic behind such a gun was its use by several thousand massed troops whose watchwords were "firepower" and "speed," rather than accuracy. This was supposed to be taken care of by the sheer numbers of whizzing lead balls filling the air.

As the hour drew near for the embattled farmers to take their stand at Concord bridge, it became obvious that considerable quantities of guns would be needed. Unfortunately, nobody thought of consulting the backwoodsmen about their preferences; and so, in line with the theory that Europe knew what it was doing in military matters, Revolutionary purchasing agents were hustled off to the Continent to round up what they could in martial "firelocks." The European dealers "saw them coming" and stuck the arms-hungry Colonials with a pitiful lot of junk.

Not every American saw eye to eye with the officially endorsed tactics of massed shooting strength versus pinpointed accuracy, and General Daniel Morgan was one man who decided to do something about it. Realizing that the dense, tree-covered American landscape was as ideally suited for concealed sniping action as it was suicidal for the massed formations of red coated Britishers, Morgan combed the hills of Virginia and marched north with 1500 sharpshooting woodsmen, each with his own Kentucky rifle.

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Arriving in the metropolis of Boston, Morgan's men provided some initial comic relief for the urban Bostonians who thought buckskin leggings, coonskin caps, and long skinny rifles were very funny, and didn't mind saying so. They hastily changed their minds when the quaint hill folk put on a shooting match, unerringly puncturing tin pie plates at fantastic 200 yard distances.

Bostonians were even more amazed when a wild and wooly looking band dubbed "Cresap's Riflemen" trudded into town in August of 1775. A correspondent for the "Pennsylvania Gazette" had the following rather conservative commentary to make about the intrepid band from Frederick County, Maryland: "I had the happiness of seeing Captain Cresap marching at the head of a company of a hundred and thirty men painted like Indians, armed with tomahawks and rifles, dressed in hunting shirts and moccasins and, though some of them had traveled near eight hundred miles from the banks of the Ohio, they seem to walk light and easy and not with less spirit than at the first hour of their march."

If Morgan's demolition of pie plates had produced astonishment from the New England city dwellers, Cresap's men were determined to best their Virginian confreres. As spectators held their breaths, two brothers put on an exhibition of frontier shooting that has become the basis for many a legend and tall story. While one brother cocked his firelock and swung the sights up to eye level, the other walked out to what seemed an interminable distance. Turning on his heel, he displayed between thumb and forefinger a silver dollar-sized piece of white cardboard. The "Pennsylvania Gazette" reporter covering this unique prelude to the feared and deadly American sniping of the Revolution claimed to be "more astonished than pleased" to see the young man hold the disc in his hand while his brother plugged it dead center.

At about the same time, a similarly startling shooting match was taking place in the city of London. Early in the war, the British opinion of the rebels' fighting abilities was so low that a captured "hayseed Colonial" (Continued on page 54)

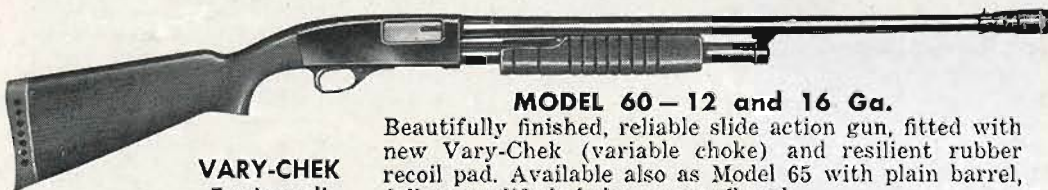
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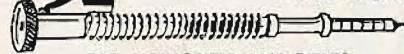


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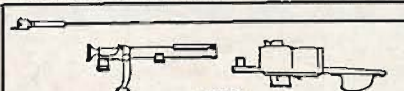
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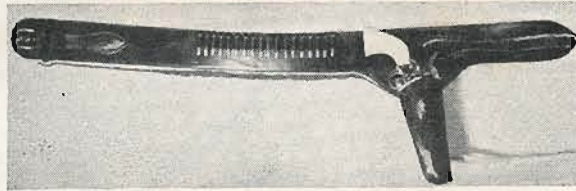
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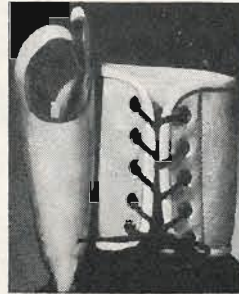
Fast draw type holster with soft glove leather white lining. Belt and holster in black cowhide only. \$8.99 PP. Send waist size, caliber, model and barrel length of gun when ordering. Double gun set available @ \$13.95 PP.



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NEW IMPROVED HIDE-A-WAY Ankle Holster

This is the improved Hide-A-Way Holster, made of the finest quality leather . . . the leg strap lined with softest kid to prevent rubbing and chafing . . . hand stitched by fine craftsmen . . . snap strap to keep gun in holster. The Hide-A-Way Ankle Holster solves the hidden second gun problem for dangerous assignments. Made to fit any gun from derringer on up. \$5.00 PP. No COD. State make and model of gun when ordering.



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Beautifully made, hand plaited, genuine leather riding crop, with 18 inch dagger hidden inside. Practical collector's item: attractive for den or patio. \$5.00 PP.

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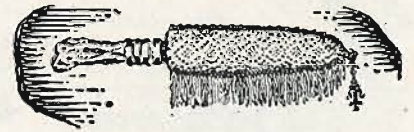
WHITCO

P. O. DRAWER 1712
BROWNSVILLE 18, TEXAS

(Continued from page 52)

dressed in buckskin and complete with home-grown long rifle, was shipped to London. He was to serve as example of the incapability of the Americans, and thus boost enlistments. The story is told that some British officers' faces turned as red as their coats when somebody thought it clever to give the Colonial an opportunity to put on a demonstration of his much touted but strange looking gun.

To show up the American guest, targets were placed well beyond the range of any ordinary musket, but apparently not far enough. The American pulled the rug out from under his hosts, smashing targets hundreds of feet away with routine regularity. With that brand of encouragement, enlistments took such a nose dive that Britain was obliged to fork over five and a half million pounds sterling for imported Hessian mercenaries. Rightly or wrongly, it has been stated that this captive was a "plant," a piece of early "psychological warfare" conceived by a man named George Washington for the very purpose which it accomplished.



If the British VIP's in London were disturbed over one captured American's shooting abilities, multiply their concern by 1500 and you have the problem confronting the field officers whose unpleasant duty it was to face Dan Morgan and his unruly but deadly accurate Virginians. From the British viewpoint, the Americans were downright unsporting about the thing. The action around Freeman's Farm, which was part of the late 1777 struggle for the upper Hudson River territory, was typical of the "unfair" American approach to warfare. When the English General Burgoyne made a flank attack on the American left, he was flabbergasted to find Morgan's men mounted in the trees like orangutangs. Busily they were picking off his officers and artillerymen at distances three to four times the range of the universal British "Brown Bess" musket. This, Burgoyne insisted, was hardly cricket!

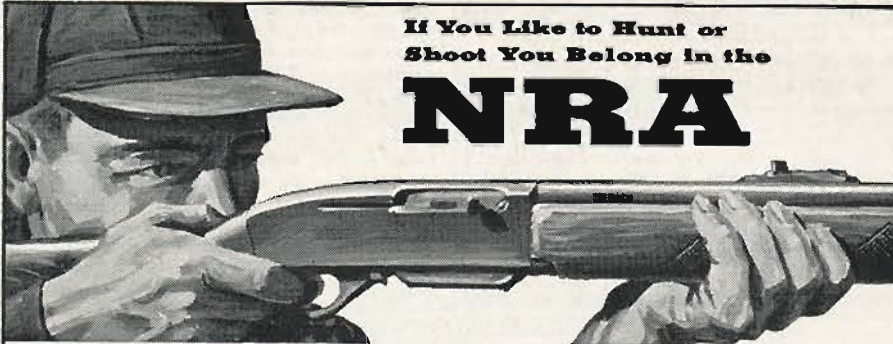
At this time, Benedict Arnold had not yet altered his sentiments, but he had been relieved of command as a result of the jealousy of his superior, General Gates. Watching Morgan's glowing success from a nearby hilltop, Arnold was unable to restrain his unbridled enthusiasm and dashed headlong into the melee to re-assume direction of the fight, receiving welcoming cheers from his men.

Unlike many of the colonial commanders, the storied traitor recognized the potential of the frontiersman's weapon and, when he saw that Burgoyne's General Simon Frazer was still somehow managing to hold against Morgan's superior rifles, he called Tim Murphy—a Pennsylvania woodsman—to his side and explained what he wanted done. A few minutes later Murphy and his double barrel long rifle had accounted for Frazer at a remarkable distance of three hundred paces. Burgoyne ended his frustratingly unrewarding day by turning over 6,000 of his inadequate smooth bores to the jubilant victors.

(To be continued)

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HANDLOADING BENCH

(Continued from page 12)

Ward's Kit was designed for people who, with a small investment, want to reload a few boxes of shotshells. But owners of production machines also like the kit. With your big tool set-up for your most used load, Ward's Kit is handy for all other loads. Both paper and S-P reloads functioned perfectly and patterned well in my High Standard Trophy. Because it patterns well, the Trophy is a good test gun to compare reloads with factory ammo.

◎ ◎ ◎

Webster's RW-1 scale at \$16.50 has long been the most practical number in their line. A new Webster RW-2 is identical except for a longer beam to weigh to 510 grains. It also takes the Webster Funnel Attachment to speed loading. Beam notches for rider weights are wide and deep, clearly marked for easy reading, in 0.1, 1.0, and 10.0 grain graduations. Like all Webster scales it has self-aligning bearings, adjustable sensitivity, and a hydraulic damper.

◎ ◎ ◎

Despite some opinions, good light rifles can give superb accuracy. My friend, Caddy McCall, gets near bench rest groups with a light Colt .243 right out of the box. His load is a 75 grain Sierra H.P. ahead of 48 grains 4831 and CCI 200 primers. This is a real varmint huller. A 90 grain pill with 46 grains 4831 is a dandy game load. His fast handling gun bags game that would get away from a heavy, sluggish piece. Try a slim, trim tube for a new thrill.

◎ ◎ ◎

William S. Ripple, Dresden, Ohio, made 132 grain Swag-O-Matic .357 bullets with Illinois Swag-O-Matic pure lead .308 wire cores, in Speer jackets. Maximum variation was .9 grain. He then formed cores in C-H .30 caliber dies, with Illinois 250 Swag-O-Matic 3% antimonial lead wire. Swaging the pre-formed cores in the .357 jackets gave harder press operation, and 1.2 grain maximum variation.

This indicates there is no uniformity advantage with alloy wire for handgun pills, even with pre-swaged cores. The Swag-O-Matic was designed to make uniform bullets with pure lead cut slugs. These deliver more shock than any alloy, of course.

Mr. Ripple swaged some soft lead core pills for deep penetration, with jacketed and gas check bases. Then with the C-H Round Nose punch (the only design that works well) he put a jacket over the nose and lifted the handle until he felt it swage on. His 50 yard groups were about 4" with 15 grains 2400 and W-W primers, with a .357 S & W Magnum. His regular half-jacketed pills averaged 3" groups with 17.5 grains 2400 a very powerful, but not excessive, load with bullets weighing around 132 grains.

◎ ◎ ◎

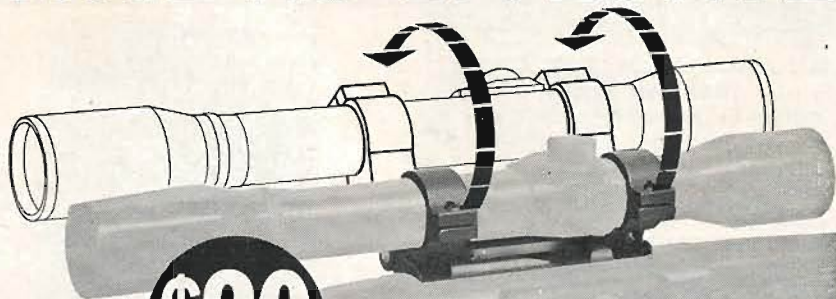
Hornady's 50 grain S-X (Super-Xplosive) pill is exactly that. Best load for the .222 is 20.5 grains 4198 with CCI standard primers. *This is 1.0 grain more than listed in Speer's manual as maximum, so work up to it.* There was no indication of pressure in several rifles. But it may be too hot with some cases and rifles.

◎ ◎ ◎

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(Continued on page 59)

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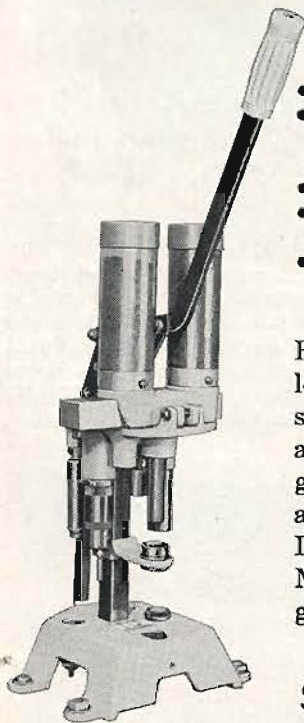
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ALL-SPORTS BARGAIN BOOK for '62 sent free to past or present customers of Klein's Sporting Goods, Inc., Dept. G-8, 227 W. Washington St., Chicago 6, Ill. All others interested in securing a copy send \$1.00, refunded with first order. Most items illustrated, all described in detail and reasonably priced. Archery, boats and motors, camera, camping, clothing, exercisers, firearms and accessories, fishing tackle and accessories, golf, radios, skin diving, and tool set lines included.

RIFLE SLINGS, carrying straps with solid brass frogs (hooks) made from top grain cowhide, available from J. M. Bucheimer Co., Frederick, Md. Hand set solid brass rivets, lock-stitched keepers along with specially tanned process prevent cowhide from cracking, makes slings strong, durable, attractive. Slings are available in Military or Whelen type, or as carrying strap, either plain or hand-tooled, in russet or oiled finish.

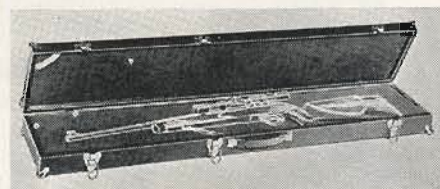
SHOTGUN SAFETY LOCK designed for competitive skeet and trap shooters. With safety in "Off" position, device slides over small end of safety and is secured by set screw. Safety then locked in "off" position. Lock is positive and sure. Can be quickly removed when desired. Made of aluminum alloy, lock is light, compact. Fits Winchester Model 12 and Model 50. Also fits all Williams Giant Head right and left hand safeties for above shotguns. Safety Lock priced \$1.25, from Williams Gun Sight Co., 7300 Lapeer Rd., Davison, Mich.



FRONTIER TUNICS new design for outdoorsmen, sportsmen, sportswomen, adapted from buckskin clothes of mountain men of Wyoming. Slightly longer than a shirt with two slash pockets and thong-laced front. Individually handcut and sewn from fine quality Western deerskin, tanned by process which makes it completely washable. Priced at \$42.50 postpaid for men or women. Manufactured by Norm Thompson, 1805 N.W. Thurman, Portland 9, Ore.



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KUM DUCK CALL. Natural sound of call maintained at any range. Effective when blown softly for close-in ranges, or when blown hard to turn ducks at distances up to one-half mile. Available with two extra reeds and detailed instructions. Priced at \$3.00, postpaid. Measures 5" long, weighs 1 1/2 oz. A product of Sporting Dog Equipment Co., 1817 NW 18th Ave., Portland 9, Ore.

WITH Guns



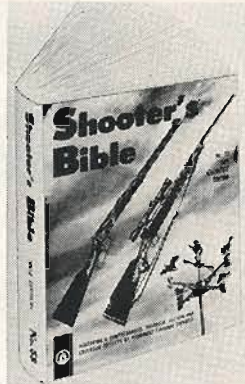
1962 SUPERBA AND MARATHON sedans and station wagons introduced as "40th anniversary models" by Checker Motors Corp., Kalamazoo, Mich. Produced in both 4-door sedan and 4-door station wagon models in two series. Ideal for sportsmen, station wagons feature auxiliary foldaway rear seats, power-retractable rear seat, and car top luggage carrier. Sleek lines accentuate interior roominess. Overhead weight is 3,780 pounds. Highlighted interior improvements in sedans include high fashion flair upholstery fabrics, padded dashboard, and fluorescent-treated circular gauges. Classic body style remains same for '62.

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1962 EDITION SHOOTER'S BIBLE released by The Stoeger Arms Corp., 45-18 Court Square, Long Island City 1, N.Y. Firearms guide contains 576 pages with descriptions of world's foremost firearms and accessories. Priced at \$2.50 publication serves as buyer's guide, comprehensive firearms directory, and textbook for collector or student of small arms. Complete sections cover handloading tools and accessories, sights, scopes, air and gas guns, leather goods, ammunition, gun parts, gunsmithing tools, targets, traps. Technical section contains ballistics tables and wide selection of informative articles by gunning authorities.



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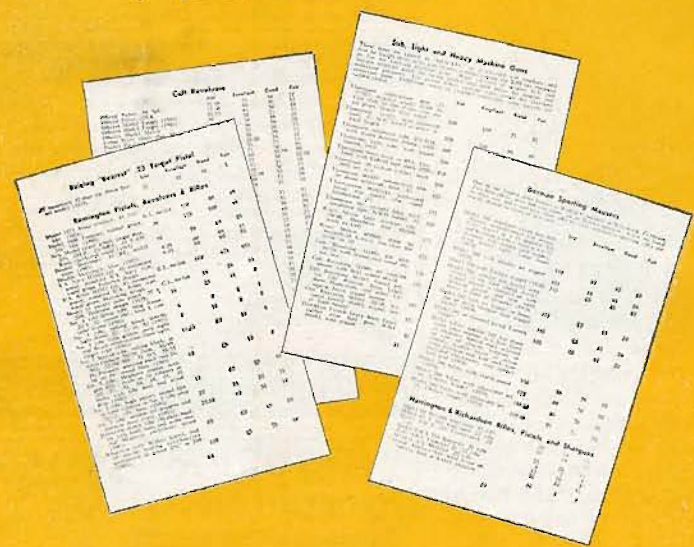
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(Continued from page 55)

custom loads, contact Leonard R. Goff. He loads thirty calibers, including several Berdan primed types. He decaps these with a "Pop Gun," as he calls it, of his own design.



My friend Wayne Weems, Box 7261, Fort Worth 11, Texas, has contributed to my varmint hunting success since he first made the \$4.00 Weems All-Call with two "voices," and the \$3.00 Weems Wild Call. Now he has one that's better than either, the Dual-Tone Predator Call. It uses interchangeable cottontail and jackrabbit voices, included. The advantage is the built-in "coaxer call," that brings animals closer for handgunning, photography, or bow and arrow shooting. When varmints get in sight you cover the call muzzle with your hand and continue calling. It's a clever and dandy call.



Norma's .38 Special Match Wadcutter is a good one. It has a deep 5/16" "hollow tail," as they call it. This is similar to the famous Ed McGivern design. In the 1930's McGivern set some records that have never been approached, much less equalled. He probably was the best practical handgunner of all time. To load Norma's Match pill for revolvers, crimp lightly in the crimp groove, if desired. Or seat the bullet out to your particular chamber length, friction tight, without a crimp. I prefer the latter method for cream puff target charges, the former for heavier loads.

You can precision load Norma's Match pill for the new Smith & Wesson Model 52 Master auto pistol. With cases trimmed to a uniform length, chamfer mouths with an Inside-Outside Deburring Tool, a bit heavy inside. Size to hold bullets friction tight. Cases should not be sized so small that they show a bulge when bullets are seated. They should be tight enough that bullets can not be easily pressed home with the fingers. Seat bullets slowly, after starting them in alignment with your fingers, until they are flush with the case mouth. Crimp barely enough to remove the mouth bell. Use 2.5 to 2.7 grains Bullseye with CCI standard primers. These loads should stay in the 10 ring every day and Sunday too.

Cannelured cases are not the best, if bullets are seated below the cannelure. The groove won't iron out completely, even with heavy loads. While this does no harm with light factory loads, it has no useful purpose. It weakens cases for heavy loads, and reduces case life. Let's hope that ammo makers will eliminate cannelures in all center-fire cases.

You can load the hollow tail Norma pill base forward for normal .38 Special service loads for revolvers. Seat it to your standard overall length, using a round nose seating stem. This forms the huge hollow base into a huge hollow-point nose, to permit chambering. The load looks mighty deadly with that giant hollow-point! This is a good tip to remember. I've loaded 3.2 grains Bullseye in .38 Special hulls. Also 5.2 grains Unique. Use a medium heavy crimp. Be sure the overall length is about as long as factory service loads, or nearly cylinder length. The round nose reduces the bearing surface to permit longer cartridge length and heavier charges.

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TRAIL AND TARGET

THIS DID NOT start out to be exclusive—a "how to shoot a pistol" department, but having fallen into the subject, let's fill at least a few of the gaps left in the earlier sessions.

'Twas stated earlier that everything about pistol shooting is controversial—including the word pistol. To answer a critical reader, yes, I do know the meanings of the words "pistol," and "revolver." I suggest that he does *not* know those meanings, that he has been converted by certain half-informed but pedantic-minded busy-bodies who, years ago, robbed us of one perfectly serviceable word and thereby forced us to invent another (unnecessary) word to replace the first one.

A pistol is by definition "A short firearm intended to be aimed and fired from one hand. Pistols are now usually either revolvers or automatic (semi-automatic or autoloading) magazine arms."

What's wrong with that? Pistol is the generic word, like "horse." A revolver is a kind of pistol, as a Percheron is a kind of horse. Automatics (or semi-automatics or auto-loaders) and single-shots are other kinds of pistols.

Everything was fine until the pseudo-experts came along and inveted a new and entirely arbitrary definition for pistol—"A short firearm intended to be aimed and fired from one hand . . . and having only one firing chamber." Thus a pistol is an automatic or a single-shot, but a revolver is not a pistol! So we had to invent the word "handgun"—and a monstrosity of a word—to replace the word and the meaning we already had! . . . Oh, well, people are funny, and gun people are as funny as any.

Whatever you call 'em, no implement of sport, not even the golfer's putter, is quicker to penalize you for rough, or careless, or improper handling. (The word is feminine in Spanish, and the fact is considered.)

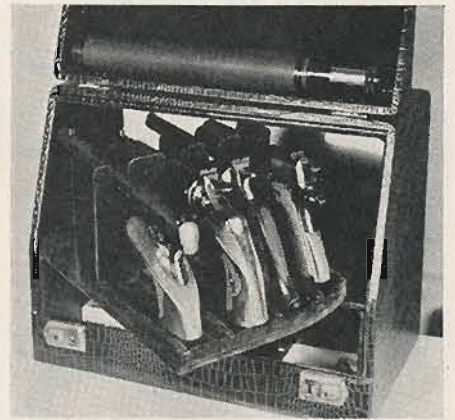
But let us say that you have passed your apprenticeship with the pistol, found the practice pleasant, and would like to test your new skill against competition. Your first step will be to join a club. It should be a club affiliated with the National Rifle Association, since at least 90 per cent of American pistol competition is under the aegis of the NRA.

We will assume that you have done your practice so far with a .22 caliber gun. If you haven't, you should have—the same reason that it's better to learn to walk before you enter a footrace. The .22 is the easiest firearms caliber to shoot, the easiest to learn to shoot well.

You will now find that pistol competition comes in three "calibers," with three distinct types of matches in each caliber. It is not required that you enter all three "calibers," or even all three types of matches in one

caliber; but if you are like most shooters, you will want to. You can stick to .22 caliber competition only—or even to Slow Fire .22 caliber competition only. But the first time you shoot a winning, or near-winning, score in a .22 Slow Fire match, you'll begin to look longingly at those Grand Aggregate models and trophies, and the next thing you know you'll be practicing Timed Fire and Rapid Fire and looking thoughtfully at other pistols. If So-and-so can shoot .38 and .45, why can't you do likewise?

NRA pistol competition, the National Match Course, consists of Slow Fire (10 shots in 10 minutes) at 50 yards, Timed Fire (5 shots in 20 seconds) at 25 yards, and Rapid Fire (5 shots in 10 seconds) at 25 yards. In Timed and Rapid, you fire two 5-shot "strings" in each match, for a 10-shot score. Thirty shots make the Aggregate in each caliber, and the courses are fired in each of the three calibers. Times and ranges



Many shooters believe that custom grips on target guns are essential.

vary in other courses (NRA Short Course, in which Slow Fire time is reduced to 5 minutes and all firing is at 25 yards; Camp Perry Course, in which Slow Fire time is 2½ minutes, all firing at 25 yards; and the Marksman League Course, Slow Fire in 5 minutes at 25 yards, Timed and Rapid same times as above but at 15 yards) Various combination of courses are included in tournaments.

Center Fire match rules stipulate ".32 caliber or larger," but few competitors shoot the .32 caliber; in practice, Center Fire means .38 Special or .45. In all except "Service Pistol" matches, you may shoot either a revolver or a semi-automatic. For years, most competitors shot the automatics in .22 and .45 matches, revolvers in Center Fire—because there was, for years, no semi-auto in .32 or .38 caliber in which the shooters had confidence for match target accuracy. Today, that picture has changed, and the trend is to automatics because, with

them, the time required for cocking a revolver can be devoted to perfecting the sight picture and controlling the trigger.

So, eventually, you find yourself owning at least three fine pistols. (If you think I'm going to recommend makes and models, you're crazy! I still have a few friends, and I want to keep them.) Of course, by now you know more about pistols than the designers and makers, so you will have had them "accurized," custom-gripped, weighted, and otherwise altered. Equally of course, you will be experimenting with handloads in the quest of better accuracy, less recoil, bullets guaranteed to cut the 10 ring, or something. You can't possibly appear in public without a spotting scope on your handsome pistol box; and your box will probably be so loaded with gadgets that you'll grunt when you lift it. This means that you're a pistolman—not necessarily a Master, not necessarily even an Expert, but a dedicated addict. You'll never get over it; the disease is incurable.

One final word about "how to," and I've finished (for now, at least). Before you have gone this far toward pistol mastery you will have heard endless argument about keeping both eyes open in sighting, about special lenses in your glasses—some with



Left eye is master eye for right-handed shooter. Simple alignment of gun and eye enables him to score consistently.

peep-hole apertures for sharper sight picture, some with black-out shields over the non-sighting eye, some with both peep-apertures and shield, some with shields at the side to protect the eyes from side lighting. As for the gadgets, try them. Some shooters swear by one or more of them; some manage to shoot extremely well without them. As to squinting one eye or keeping both eyes open—

Well, it stands to reason that, since you have binocular vision and have used it all your life, you can see best with both eyes open. However, some of the best pistolmen I know squint one eye while sighting. Almost anyone can learn to sight with both eyes open, even though you may think you can't when you first try it. But if it's difficult

for you, if you have to concentrate on it even after reasonable practice to the extent of lessening your concentration on sight picture and trigger mechanics—forget it. There's no law that says you have to keep one eye closed, or both eyes open.

But if you decide to close one eye, be sure the one you keep open is the one you see with! Keep your master eye open.

You can find out very easily which eye controls your vision. Hold a pencil vertical at arms length and, with both eyes open, align it with some vertical line across the room. Now close the left eye. If the pencil still covers the distant line, your right eye is your master eye. This is true for most people. But if the pencil moves, start over. Align the pencil with both eyes open, then close the right eye. If the pencil remains in alignment now, your left eye is your master eye.

Don't let this disconcert you. A person with very strong left-eye control and very weak right-eye vision could find himself in some trouble in rifle or shotgun shooting, but it's no problem with a pistol; no problem at all. Simply move the pistol a couple or three inches to the left, and let the left eye do the sighting. You will do this without knowing it, if you shoot with both eyes open. But if you are unaware of this left-eye mastery and are closing that left eye, you are simply forcing your weaker eye to do a job the other could do better. Look at the picture. This man is left-eyed. He shoots with both eyes open, but the picture leaves no doubt as to which eye is doing the sighting.

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GUN RACK

(Continued from page 10)

five shots were in the exact center of the target, and minute of angle groups were consistently fired. At 250 yards the groups still measured moa, regardless of barrel heating or cooling. The extra wide trigger on the test gun was free of creep or backlash, and the trigger pull was a constant 4½ pounds. Bores of the Model 700 ADL are chrome plated, and Remington's ammo showed very little fouling.

Remington currently loads a 150 grain and a 175 grain soft point CoreLokt bullet for the 7 mm Magnum, which by the way means that the bore is .284. The ADL Models will retail for \$114.95; the BDL Custom grade will sell for \$139.95. The 700 BDL Custom De Luxe in .375 H&H and in .458 Win. will carry a price tag of \$310. All guns are tapped and drilled for scope mounts and feature the same fine safety. The BDL grades do come with hinged floor plates, and the ramp sight is hooded.

Ballistically, it is interesting to compare the 7 mm Magnum cartridge with some of its ballistic relatives. These are factory data and will vary somewhat from rifle to rifle and load to load, especially with handloads.

COMPARISON OF VELOCITY DATA

Cartridge	Muzzle	100	200	300
	Velocity	Yard	Yard	Yard
	fps	Ve-	Ve-	Ve-
		locity	locity	locity
Rem. 7mm Mag.				
150 gr. S.P.	3260	3040	2820	2600
175 gr. S.P.	3020	2650	2310	2010
Win. .264 Mag.				
100 gr. S.P.	3700	3260	2880	2550
140 gr. S.P.	3200	2940	2700	2480
Norma .308 Mag., Belted				
180 gr. S.P.	3100	2881	2768	2464
Weatherby 7mm Magnum				
175 gr. R.N.	3067	2790	2500	2270
.300 H & H Mag.				
180 gr.	2920	2670	2440	2220

COMPARISON OF ENERGY DATA

Cartridge	Muzzle	100	200	300
	Energy	Yard	Yard	Yard
	ft./lbs.	Energy	Energy	Energy
Rem. 7mm Mag.				
150 gr. S.P.	3540	3140	2760	2410
175 gr. S.P.	3540	2750	2130	1630
Win. .264 Mag.				
100 gr. S.P.	3040	2360	1840	1440
140 gr. S.P.	3180	2690	2270	1910
Norma .308 Mag., Belted				
180 gr. S.P.	3842	3318	2846	2477
Weatherby 7mm Magnum				
175 gr. R.N.	3662	3024	2429	2002
.300 H & H Mag.				
180 gr.	3400	2850	2380	1970



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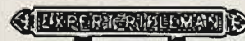
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Pocket Positive	3.50	4.50	3.10
.22 Woodsman, old model	6.25	15.00	4.80
.45 Auto. Government	6.25	15.00	4.20
.38 Super .22 Ace	6.25	15.00	4.20
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.25 Pocket Auto.	3.50	4.50	3.15
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Magnum S&W Grips			
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Chief Spec. H.E. Rd Butt	9.00	12.00	6.20
Kit Gun (Sq. Butt)	9.00	15.50	6.20
Standard Style Grips			
Regulation Police	8.00	11.50	7.20
.44, .45 Model 1917, 1908	8.00	9.00	4.80
K.22, .38 Sq. Butt, 1905 O.M.	5.50	8.00	4.80
1902 Rd. Butt	5.00	7.00	4.20
Chief Spec. Kit Gun Sq. Butt	5.00	7.50	4.20
Chief Spec. Kit Gun Rd. Butt	4.25	5.25	3.20
.32 H.E., .38 T.B.	3.50	4.50	3.15
.32 N.D., .38 N.D.	3.50	4.50	3.15
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Savage Turkey Gun

At long last, American turkey hunters can now buy a combination gun for gobbler hunting, a gun that performs smoothly and won't entail a second mortgage. The gun is the Savage 24-MDL, now bored for the 20 gauge 3 inch Magnum shell and for the .22 RFM.

The shotgun barrel is full choke and does deliver a full pattern with standard and 3 inch Magnum hulls. Similar to the Model 24 DL, extraction of the fired case and the .22 hull is manual, but enough of the case protrudes to make extraction relatively easy.



Best of all is the fact that the upper barrel shoots directly into the center of the pattern at 40 measured yards. The upper barrel is grooved for a tip-off scope that might be desired by some hunters.

The switch from shotgun barrel to rifle is accomplished by the traditional button on the side of the receiver, and the gun can be carried on half-cock safely—even severe jolts won't fire the gun. Externally, the gun is nicely finished, the frame is satin chrome decorated with game scenes, and the stock is walnut with Monte Carlo style stock and fore-end. The test gun broke easily and closed smoothly and noiselessly, an important consideration when hunting.

The new 24 ADL should not be considered a gun for the turkey hunter exclusively. It is a very fine small game gun, and the 20 gauge barrel will do a very fine job in the field.

In summary: A fine gun that has been needed for quite some time.

Herter Bullets

This company, located in Waseca, Minnesota, recently submitted some .30 caliber 150 grain bullets for tests. These bullets showed a weight variation of from 150 grains exactly to a maximum of 151.8 grains when weighed on our Ohaus 314 scale. Average of ten bullets weighed was 151.1 grains. Bullet diameter average was .30851". These bullets have a complete partition in the middle, designed to control expansion and give deep penetration.

Two batches of test loads were made up. Lot #1 was primed with CCI 200 primers and charged with 49 grains of 4895. Fired in a Finnbear .30-'06 equipped with the 3-9X variable Redfield scope in Sako mounts, several five-shot groups at 100 yards measured 1 inch, and a ten shot group fired at (Continued on page 65)

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(Continued from page 63)

the same distance measured two inches.

Batch #2 was loaded with 45 grains of Hi-Vel #2, again with CCI 200 primers, and using the same rifle-scope combination. Despite a 25 miles per hour gusty crosswind, groups at 100 yards measured 1¼ inches, with a ten-shot group measuring 2½ inches.

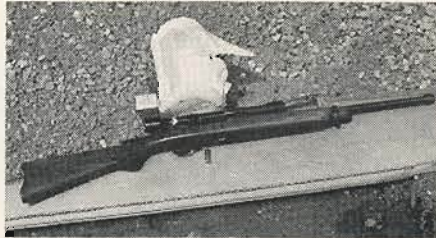
Penetration and bullet recovery tests were made in moist sand. Ten additional rounds of each batch were fired at 50 yards into a bullet recovery box. Penetration and expansion of the bullets was very good, and the H-Mantle design performed as anticipated, with excellent bullet upset.

The bullets submitted to GUNS Magazine were obviously production items and were not selected, since a number of them still

showed greasemarks and bullets were not polished. These Herter bullets performed in the best tradition of the H-Mantle bullets and, if the hunter does his share, they should perform equally well on game.

Winchester Ammo News

We took the new .44 Magnum ammo to the range to see what effects the 240 grain slug would have on a heavy plastic bottle. Using one of Bill Ruger's carbines and a heavy plastic bottle filled with soapy water, the effects produced were nothing short of fantastic. The bottle rose into the air about two feet and sprayed soap suds 25 feet into the air over a 15 or 20 foot area. Half of the two-gallon bottle simply disappeared into thin air, but the reconstructed entrance hole



was exactly .44 caliber. Exit hole diameter cannot even be guessed at. Muzzle velocity, according to Winchester is 1750 fps, at 50 yards the reading is 1530 fps, at 100 yards the bullet still had 1350 fps. Energy, in the same order, was 1630, 1250, and 970 foot pounds. Our shooting was done at 50 yards.

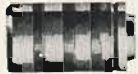
This improved Super-X .44 Magnum ammo comes in a pack that contains 20 rounds in a plastic holder that is most welcome to reloaders. This cartridge may be used in handguns, but was designed primarily for shoulder arms.

O O O

The same shipment from Winchester also brought us some of the new Mark 5 shotshells. Winchester has once again done some very progressive ballistics work, and the Mark 5 shells are the result.

When shot travels down the barrel, shot pellets rub hard against the wall of the barrel, and against each other. This deforms the shot, and non-spherical shot makes for poor patterns. In the Mark 5, this deforming is greatly reduced by the use of a polyethylene collar that fits around the shot in the shell and that stays around the shot column for a few feet after the charge leaves the muzzle. The plastic collar then drops away and the undeformed pellets are on their way.

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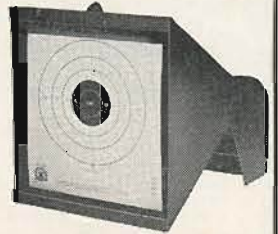


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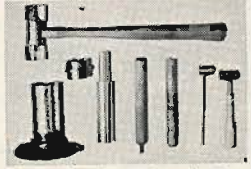
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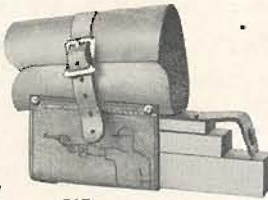
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This collar increased pattern density on our range by 8 per cent, and in one instance, by 12 per cent. Winchester claims that shot string length is shortened by about 10 per cent, and we can testify that effective range is considerable improved. Using the Mark 5 loads at a measured 40 yards and with the choke set for modified, we succeeded in blasting claybirds with great regularity. Changing to standard Winchester shells, our average dropped surprisingly. Using the Mark 5 ammo again, we were able to recapture our previous average.

Mark 5 will be available in various loads and gauges and is already making its appearance on the shelves of gunshops.

Lyman Mould News

Three cast bullets have been put through the paces, and moulds for them are available in single, double, and four cavity styles. In filling the demands for flush-seated .38 Special wadcutters for the S&W Model 52, Lyman now offers their cast bullet #35863.

This is a 148 gr. double end pill, that casts .360 diameter with Ideal Metal #4 (1 part tin, 20 parts lead). Size this bullet to .358, and it will also work when sized to .356. All grooves should be lubricated, and the Lyman seating screw #344 is the one to use. Seating and crimping should be done in two steps, and 2.5 to 2.7 grains of Bullseye are just the ticket.

The cast bullet #31141 is a 170 gr. flat nose .30 caliber gas-check hunting bullet for .30 caliber rifles. The mould we used produced a bullet of .311 diameter with Ideal metal #2, (1 part tin, 1 part antimony and 10 parts lead). Depending on bore size, this bullet can be sized from .308 to .311, and a .30 caliber gas check is used. Lyman seat-

ing screw #295 is suggested. This bullet should not be used in short neck cases similar to the .300 Savage, but as .30-30 load with 30 grains of 3031 it did very well in our Marlin carbine.

For the charcoal burner clan, Lyman has finally came up with a round ball mould that casts balls with a diameter of .385. Properly patched, the ball will fit most .40 caliber muzzle loaders. This mould fills a crying need, since it bridges the gap between their .380 and their .389 moulds.

Gun Caddy

This is one of the nicest gun cases we have had a chance to examine and use. Built very much along the lines of the fitted cases used by small-bore addicts for their target rifles, the bottom and lid of the Mastra Gun Caddy is filled with a plastic foam that is covered with a wide choice of material, ranging from corduroy to Orlon deep pile. Available in three styles and various sizes, the Gun Caddy will snugly hold any gun, scoped or un-scoped, and effectively cushions the gun from rough handling. We examined the Gun Caddy with Roy Weatherby and successively used it to lug around one of Roy's guns, a shotgun, and two handguns. No matter how much shaking the cased gun gets, it does not move in the case, even when the case is dropped.

This Gun Caddy is not designed for saddle use, but certainly should be considered by anyone who lugs around a treasured gun. Gun Caddy prices depend on size and style of case, starting at \$12.95 and going as high as \$74.95. If your gunsmith cannot supply, write to Mastra Company, 2104 Superior Ave., Cleveland 14, Ohio.

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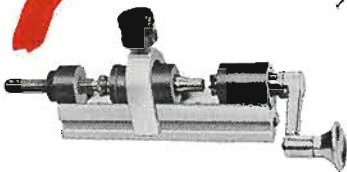
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April 1, 1962:

Winchester-Western introduced new Super-X and Super-Speed Mark 5; a new type of load that hits harder, shoots further than any other shotshell in the world. At no increase in price!

It took a lot of doing to improve the modern high-brass shell. Most hunters believed that these were the finest shotshells ever made. And they were right. Until now.

These new Super-X and Super-Speed Mark 5 loads shoot unbelievably harder than anything you've ever known. They'll put more game in your pocket at longer range than any other shotshells ever made. Bar none.

Where does this extra impact come from? Most of it from that little strip of polyethylene you see. It helps these new Mark 5 loads deliver magnum effectiveness without the extra cost and with less recoil.

And the Mark 5 magnums (in 12, 16 and 20 gauge) are really "super magnums" in performance!

As you probably realize, a good deal

of the power in ordinary high-brass shells is lost. You might just as well take a lot of the shot from the shell and throw it away. Because that's actually what happens.

Look what goes on now when you shoot a new Super-X or Super-Speed Mark 5, how it harnesses the hitting power other shells waste.

The polyethylene strip, the collar, that's wrapped around the shot inside the shell stays wrapped around the shot until *after* it leaves the muzzle! This collar protects the shot against wasteful deformation, prevents lateral shot dispersion, keeps the wads out of the shot column — in short it puts more shot where more shot belongs: right on the bird!

The over-all effect of these new Mark 5 loads is up to 10% better, denser patterns: up to 10% shorter shot string; the effect of a 1/4 ounce heavier load;

lengthened effective range, and it eliminates barrel leading and tubewash.

Does all this help make you a more effective shot? Absolutely! Or Mark 5 wouldn't be on the market!

And for the trapshooter, there's a new Super Trap Load in Xpert and Ranger Mark 5 in two shot sizes, 7 1/2 and 8. If there's anything you want here — it's heavier, denser patterns. For example, from 16 yards to 27, trapshooters now have the effect of 1/8 ounce more shot on target with these new Mark 5 loads!



If you're an upland gunner who prefers the more open patterns of low brass Ranger and Xpert — we haven't changed those a bit. For the close-flushing bird or the skeet field, they're still the best you can buy.