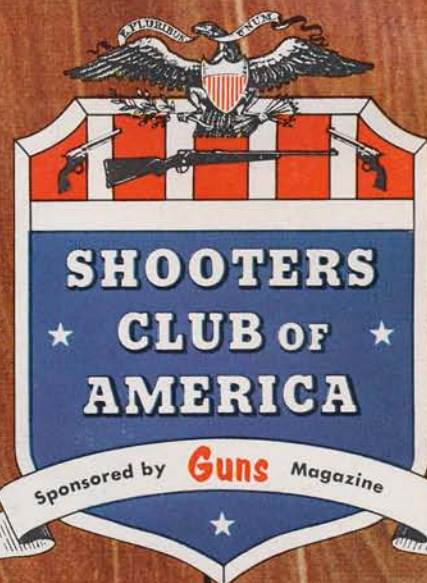


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EUROPEAN & AMERICAN ARMS

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(Crown Publishers, Inc., 1962. \$25.00)

The publishers label this "the complete visual encyclopedia of the weapons used in the western world from about 1100 to 1850," and it would be difficult to find a better description. The Chapter headings indicate the scope of the work: I—Swords and Daggers; II—Staff Weapons; III—Projectile Weapons (Sling, Bow, Crossbow); IV—Projectile Weapons (Firearms and other Guns); V—Combined Weapons; VI—The Decoration of Arms. More than 600 photographs and a series of comprehensive drawings make this a graphic textbook for the collector or student interested in the identification and historical evaluation of weapons of many types. Claude Blair is a scholar of high repute in the field of weapons, in Europe and throughout the world. His book on European Armour, published in 1958, is already an accepted classic.—E.B.M.

THE AMERICAN SHOTGUNNER

By Francis E. Sell

(The Stackpole Co., 1962. \$6.95)

One of the more prolific of the gun writers, Francis Sell is also one of the more controversial—perhaps because he does not hesitate to challenge theories on which others have strong (and possibly wrong) opinions. He is an ardent experimenter as well as an ardent hunter, and this book is a compilation of his findings, based on more actual shooting than most men ever do. With one of those findings at least, this reviewer is in complete agreement: most gunners shoot too far, and not only at targets!—E.B.M.

GUNS THROUGH THE AGES

By Geoffrey Boothroyd

(Sterling Publishing Co., 1962. \$3.95)

Tight printing makes this illustrated history of firearms a bigger book than you would guess from its bulk. It combines broad historical background with descriptions and illustrations of scores of gun developments and devices, with special attention to the long parade of ignition systems, from matchlock to metallic cartridges. There are also many suggestions regarding gun collecting, restoration, and values, plus outlines of federal and state laws regulating firearms ownership and use. The chapter on collector "fakes" could save the novice collector many times the book's price.—E.B.M.

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(Continued on page 61)

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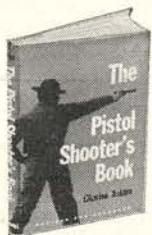
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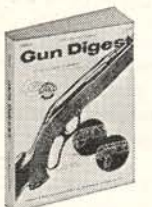
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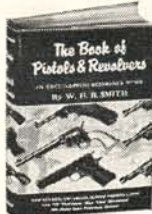
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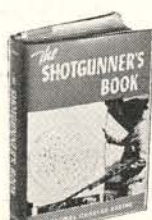
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THE EDITOR'S

H EADLINES FLARED in the newspapers of a certain city not long ago over an ugly crime involving a teen-age boy, a .22 rifle, and murder. Let's not identify the crime with details; it is not unique; teen-agers who have killed one or several members of their own families have been common in history since Cain killed Abel. Intra-family murder has been committed with rocks, axes, knives, fire, poison, not to mention formal executions by guillotine, starvation, and the hanging noose. A few have used firearms. In this case, some of the headlines blamed the rifle.

This is fatuous thinking, but let's accept it for the moment. The rifle is guilty; the rifle should be tried, convicted, and imprisoned or executed. The boy, one supposes, would be tried too, as an accomplice—though his attorneys would doubtless plead that he was an unwilling accomplice, led astray by the wicked rifle.

You say, "But this is absurd! You wouldn't try, you couldn't 'execute,' an inanimate object!"

Agreed. So let's assume the other possibility—that the boy is guilty. He should be tried, convicted—and all boys, certainly all boys of his age, should be imprisoned or executed.

Is this absurd? Of course it is. Yet this is what editorial writers are suggesting regarding the rifle. They are saying, "Because this one rifle committed a crime, all rifles should be punished! Damn all guns! Because one gun was the tool for murder, all guns should be banished!"

This too is an absurdity. The leading criminologists of our time recognized it as an absurdity when they tell us that the presence or absence of a gun does not affect the commission of a crime. The absence of a gun does not deter it, nor does the presence of the gun inspire it. The crime is in the mind of the human being who commits it. The savage, twisted, perverted mind that plans murder is not made whole and sane again simply because its choice of method is reduced by the absence of one tool.

But it is argued, "This boy was gun-crazy! Admitting that not all guns are guilty, if this particular gun had not been accessible to this particular boy . . ."

That also is fuzzy thinking. Concede, if you will, that a particular mind is committed not only to murder but to murder with a specific tool. He does not own that tool. Will the mind committed to the major crime of murder, with its massive punishment, be halted by the lesser crime of theft? He does not own a knife, but he can steal one . . .

"But we have you there!" says the anti-gun disciple. "If all guns were banished, he couldn't steal one."

True. If there were no guns, he wouldn't have planned a gun murder. Would he have planned his murder with a knife? Then we should banish all knives. With a club? Then we should banish all clubs . . .

What we should really do is think sanely. Could we possibly design a law that would punish the possessor of a firearm more terribly than the laws against murder punish the killer? Yet there have been laws against murder since man came down out of the trees. They haven't stopped murder. The mind which is not deterred by those laws will not be deterred by a law requiring the registration of, or prohibiting the possession of, a firearm.

Perhaps the people who insist that we should design "a better law" against guns are attacking this problem from the wrong angle.

Perhaps we should design better people.—E.B.M.

Guns

FINEST IN THE FIREARMS FIELD

George E. von Rosen
Publisher

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MAY, 1963

Vol. IX, No. 5-101



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THE COVER

Old shooting guns, and a new shooting club combine to make this month's cover. The club story is fully told inside the book. The guns: a collection of Colt SA revolvers, including some unusual ones—a .44 rimfire, a .455 Eley, a .44 S&W—and a full range of barrel lengths from 3" to 12". Taken with a Yashica at F16-60 on Kodak High Speed Ektachrome, by George Virgines, the Fast Draw expert.

IN THIS ISSUE

special . . .

WERE SACCO AND VANZETTI FRAMED?.....Shelley Braverman 16
FOR BETTER GUN SPORT.....26

new guns . . .

"NEWS FROM NILO".....E. B. Mann 19
IT'S A REMINGTON.....E. B. Mann 25

hunting . . .

BOBCAT! ON SNOW AND SAND.....Byron Dalrymple 20
YOU HAVE TO OUTSMART HIM.....Clyde Ormond 38

shooting . . .

FAST DRAW VS. COMBAT SHOOTING.....Bill Toney 22
HIS GUNS ARE TAKING HIM TO COLLEGE.....Dick Miller 32
THE WICKED SEVEN.....Bob Hagel 36

people . . .

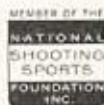
BOY STOCKER.....Jason Connors 24
GUNS AND THE GOOD LIFE.....Ken Warner 28
RIFLEMAN MK I.....James M. Triggs 40

collector. . .

REUNITED—100 YEARS LATER.....Graham Burnside 31

departments . . .

ARMS LIBRARY.....3
EDITOR'S CORNER.....E. B. Mann 4
HANDLOADING BENCH.....Kent Bellah 6
CROSSFIRE.....8
GUN RACK.....12
PULL!.....Dick Miller 14
SHOPPING WITH GUNS.....Roslyn Wallis 56
THE GUN MARKET.....64
INDEX OF ADVERTISERS.....66



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HANDLOADING BENCH

By KENT BELLAH



WE HAVE BEEN testing various cartridges to bring my loading data up-to-date. Variations from standardized loads are small, generally a switch from standard primers to CCI Magnums for better ignition and uniformity. Some charges were reduced a grain or so. Few loads have been checked for velocity or pressure, as the old figures are close enough for all practical use.

The best cast bullet for heavy .357 Magnum loads remains the Lyman-Thompson No. 358156 in solid or hollow point. Ray Thompson recommends a "medium hard" alloy. Our tests prove DIVCO's IBA No. 7 is excellent for medium to heavy loads. It's more uniform than home mixes, and costs no more than alloying virgin metals. You are handicapped with scrap metals or a non-uniform alloy. Loads up to 1,000 fps are satisfactory with a virgin mix of 1:20 tin-lead or harder, or IBA No. 4. Lead testers are fairly accurate to indicate alloy hardness if you average several readings, but they are worthless to indicate the contents of an alloy. Scrap often contains iron, copper, arsenic, and other contamination.

It's easy to drill either H.P. or solid bullet loads with a Forster $\frac{1}{8}$ " Hollow Point Accessory in their excellent case trimmer. Drilled cavities expand faster. Thompson's bullet practically eliminates leading. At least it's the best cast pill I've used. Some .357 guns are notorious "leaders." If this is your trouble, try this bullet with Perfect Lube, which I believe is better than the graphite types.

I think Lyman's suggested 12.0 grains 2400 is too light. Try 13.2 grains with CCI No. 550 Magnum primers, crimping cases in the upper crimp groove. It burns well even in 4" barrels that spit out too much powder with standard primers. A .357 diameter is okay in S & W, Colt or Ruger guns. Hard alloys give better accuracy. Soft pills are better for defense, with more shocking power, if soft, swaged half-jacket bullets are not available. This is a powerful, moderate pressure load in good guns.

Use 6.5 grains Unique with the same primers for a reduced load. This is too light for deer, although a chap used it to bag one with a neck shot at about 40 yards last season. These bullets plink well with 3.0 grains Bullseye and CCI No. 500 primers. I recommend this load for Magnums, using .38 Special cases crimped in the lower groove. This identifies light loads, that work well in .38 revolvers.

Hot .357 loads in .38 hulls are not recommended. They could damage a light frame gun, and too many brittle cases are found. The best naked cast pill is a Hensley &

Gibbs No. 51, designed by Phil Sharpe for the .357 S & W Magnum. It takes all the above loads. Leading is generally not bad in the heavier charges with Perfect Lube. The small crimp groove helps hold greasy bullets with a moderate crimp against creeping from recoil. Phil knew more about reloading in the 1930's than any man alive, and he did more testing. His errors were extremely few. Sharpe's pill is probably best in .358 for .38 Special guns. A good load in 6" and longer barrels is 9.5 grains 2400 with

OUTDOORSMAN OF THE YEAR



Nash Buckingham (center), named 1962 Winchester Outdoorsman of the Year by a poll of some 4,000 outdoor writers and conservationists, receives the award from John Olin, chairman of the Executive Committee, Olin Mathieson Chemical Corporation, at a banquet in Alton, Ill., Jan. 18. Buckingham received also, from Lowell Krieg (left), vice president and general manager of Olin's Winchester-Western Division, a custom-made Winchester Model 21 shotgun, suitably engraved. Nash Buckingham, of Memphis, Tenn., has spent most of his 82 years as a leader in the fight for better conservation. He has been particularly effective in his work for the preservation of waterfowl. The award dinner was the closing event of the fourth annual Winchester-Western Seminar.

CCI No. 550 Magnum primers. A better load for shorter tubes is 5.0 grains Unique. This is good for occasional use in the lightest frame gun, the snub-nose Chief's Special. If it skins your knuckles a bit, consider what it does on the terminal end!

A Chief is accurate to 150 yards or more. Standard stocks are terrible for accuracy. FITZ Gunfighter grips make it hold like a target gun. They absorb recoil like a blotter does ink. To amaze yourself and your friends

with long range accuracy, practice at targets such as rocks on a hillside. Slick up the action with Anderol gun grease, that is very fine stuff indeed. Dab a bit on hammer and trigger contacts. Attach a Flaig's No. 14 Ace trigger shoe, for a superb "target trigger" feel. The screws are hardened. Pull them tight with the long end of the Allen wrench that comes with the shoe. Now your little gun will shoot very nearly as well as a heavy target revolver. You won't believe it until you practice a while. Practice is the secret. These tune-up tips will improve scores with all guns.

Speer's top load with their 146 grain hollow point jacketed bullet is a good one in .357 Magnums. It's 16.0 grains 2400 with CCI No. 500 primers. We use this same load with CCI No. 550 Magnum primers. It shoots beautifully in a 6" S & W .357 Magnum, Model 27. This is the heavy "N" frame model. You can substitute the same charge of W-W 295HP Ball powder, if you have some available. We trust the good people with W-W will soon return this fine powder to the canister trade.

Inferior quality sizers and seaters may have faults in material, dimensions, alignment, and finish. Good rifle dies may size case necks more than necessary to compensate for variations in cases. This is good. It practically eliminates dangerous case failures at the head, if hulls are trimmed and reamed as necessary to hold dimensions, and used with normal loads. It causes the first case failure to be a split neck, which isn't dangerous. Long cases can run pressure up. Some cases need trimming after one firing to insure safety, and always for uniformity. Don't overlook this vital operation.

Die makers have a problem. SAAMI specs do not always apply to all calibers, chambers, cases, and bullets. Quality dies are a bargain at \$13.50. RCBS dies, correctly called "Precisioneered," are top quality. I don't think any other make averages better. This doesn't mean RCBS makes the only good dies, but they are consistently good. If you have a tight or sloppy chamber, or reload for auto, slide or lever action rifles, or have other problems, tell RCBS your trouble and send in 5 fired cases. You'll get custom grade dies "precisioneered" for your particular needs. I've found the majority of reloading troubles can be traced to dies or tools.

Christy Gun Works, Dept. G, 875 57th St., Sacramento 19, Calif., make parts for Colt Single Action Army revolvers. They convert the SAA to various calibers, including .22 Hornet, .218 Bee and .30 Carbine. The .30 Carbine shoots GI ammo, and turns into a hot-shot with Norma .30 Carbine Soft Point ammo. This factory round is quite potent in either a carbine or revolver. Norma lists the muzzle velocity at 1970 fps at 34,800 psi in a carbine. They don't list the revolver velocity. In a 7½" Christy barrel it's 1305 fps, in one conversion. Speer's deadly 100 grain Plinkers expand faster than any factory bullets we have tested. Speer's top load is 16.0 grains 2400 with CCI No. 400 primers, listed at 2224 fps in a .30 M1 Carbine. It seems safe enough in a carbine or revolver conversion, but 15.0 grains is adequate in either piece. The report is quite sharp in a handgun.

(Continued on page 63)

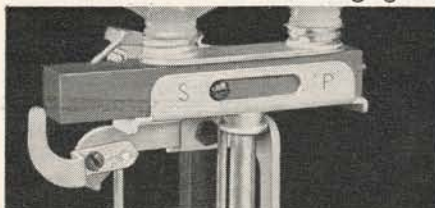
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...and this new MEC
Shotshell Reloader
"thinks" for itself

The Programmed Measure:
Depress Handle ... and it



Releases Charging Bar



Drops Powder

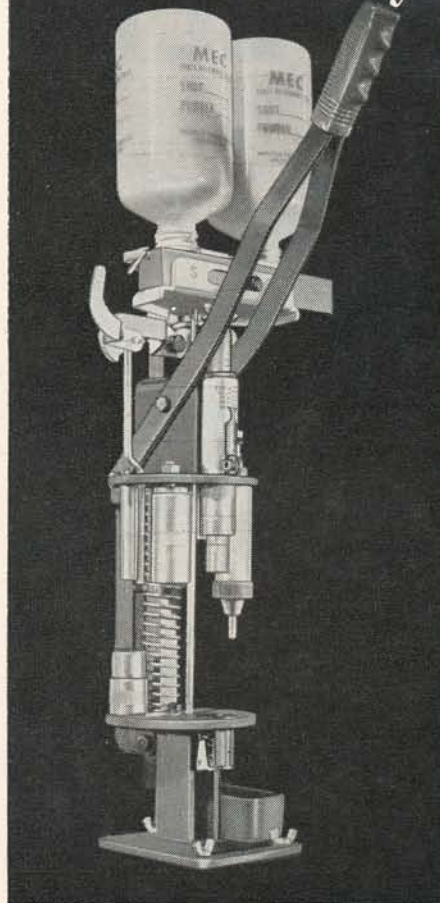


Drops Shot



Re-cycles

single stage versatility



You are looking at the totally new MEC 310 ... the single stage tool that performs with the speed of a progressive type. It boasts features no other reloader can ... regardless of price. First, there's the new Programmed Charging Mechanism that not only meters powder and shot more accurately ... but does it automatically. Its built-in "memory" device causes powder and shot to be dropped *only* at the proper points in the reloading cycle. And because it's mechanical ... this positively eliminates any chance of human error.

Another progressive feature is the new Direct Reading Pressure Gauge with graduated face and pointer which always indicates exactly the wad pressure being applied. The new wad height indicator assures improved crimping by disclosing improper wadding or other evidence of a defective reload. Then there's the new Reconditioning Station which, with one stroke of the handle, deprimers, completely resizes case head, restores head space and irons out the case mouth. Add to this the fact that the entire shell is reloaded, from deprime to final crimp, in only *four* strokes of the handle, all ending on positive stop, and you have the most efficient, accurate, mistake-proof shotshell reloader in the industry ... bar none! And it's completely safe. Oh yes! It'll process up to 310 hulls per hour.

Price? \$69.95 complete. All assembled, tested and ready to go.



See it at your dealer's or write Mayville Engineering,
Mayville, Wisconsin for MEC's complete catalog.

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DID HE LEARN HIS LESSONS WELL?



■ There's only one way to learn how to use a game call . . . and that's to practice, practice and . . . practice some more. Naturally, you have to know *what* to practice, and to do this you need a teacher. The best thing is to hire a professional "caller" and have him give you lessons, but that's not too practical. The next best thing, however, is to stop in at your Sporting Goods Dealer's and have him show you one of Marble's Game Call Kits. It contains everything you'll need to learn your lessons . . . and learn them well. ■ First, there's the Marble De Luxe Zebra Wood Game Call (duck, goose or crow). They're hand-tuned, true-toned and easy to "sound" with no confusing adjustments required. Then there's a beautiful 28-page full color book on ducks. It tells how to identify them, their habits and habitat, etc. ■ Most important, however, is a real "down-to-earth" L. P. record on just how to use the Marble Call with success. All three are contained in one "do-it-yourself" package. All three have been developed by champion caller, "Tex" Wirtz . . . one of the best teachers you'll ever have. ■ Get your share of birds. See your dealer or write



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CROSSFIRE

Wants Literature

I am the Secretary of a rifle club in England and we take your magazine regularly. Is it possible for you to have your advertisers send me some of their free literature for perusal and reference by our club members? Would particularly like to hear from Brown-Ing, Marlin, C-H Die, and Lyman.

W. Back
London, England

Copies of your letter have been sent to the manufacturers mentioned; I'm sure you'll hear from them.—Editor.

Old Reader, New Subscriber

Please accept my first subscription to your fine magazine. I have been buying it from the newsstands since the first issue and haven't missed one, although I heartily regret that I was forced to leave about three years' worth of my copies on foreign shores when I returned from overseas. I did manage to retain a few issues that contained articles of special interest to me.

Your articles are well presented and contain a wealth of information on all phases of the gun field. They kept me from losing interest in firearms while I was in England.

Although my first interest is in handguns, I also enjoy most of the articles on shotguns, rifles, and hunting, and especially the reports on new material and equipment. Keep up the quality you have maintained over the past years and you won't have to worry about losing this subscriber!

P. E. Smith
San Diego, California

Scare Headlines

Enclosed is my subscription card and check.

Also enclosed is a disturbing little item from the local paper, picked up from a news service (about investigation by Senator Dodd's sub-committee into mail-order sale of guns to juveniles). Do the police have any substantiating testimony that guns sold by mail to minors contribute largely to juvenile delinquency . . . or are the newspapers, again, reaching for scare headlines? You can bet I'm writing my Senator!

Richard D. Peters
Sacramento, Calif.

Gun incidence in juvenile crime is relatively low, but one gun in bad hands can breed more headlines than the victory of a U.S. Olympic shooting team would ever do! The point is that there are laws now prohibiting the ownership of guns by criminals, juvenile or adult—laws punishing the use of guns in crime—laws punishing the crime itself. Banning guns won't prevent crime; crime is a person, not a tool.—Editor.

Gauge Popularity

The old rule of thumb used to be that the ratio of shotgun sales by gauges was 50 per cent 12 gauge, 30 per cent for the 16, and 20 per cent for the 20. Here is a listing showing Ithaca's sales by gauges, in 1961 and 1962:

| | 1961 | 1962 |
|----------|-------|------|
| 12 gauge | 54.8% | 55% |
| 16 gauge | 22.4% | 22% |
| 20 gauge | 22.8% | 23% |

The above includes all of our shotgun sales. Breaking this down to show sales of our "Deerslayer," the special slug-shooting shotgun (also highly efficient with shot loads up to 35 yards or so), the sales were:

| | 1961 | 1962 |
|----------|-------|------|
| 12 gauge | 57.1% | 58% |
| 16 gauge | 22.2% | 23% |
| 20 gauge | 20.7% | 19% |

Sheldon M. Smith
Ithaca Gun Co. Inc.
Ithaca, New York

Praise For Ye Editors!

Both of you editors have exceptionally fine articles in this March issue. I'm not a shotgun man myself, due to a little bout I had with polio some years back; but I've gotten the bug again after reading the article about the Remington M-1100. The article about the new "Spitfire" is fine, too. Keep up the good work!

John Tichenor
Owensboro, Kentucky

He Liked Us In March

I received my copy of GUNS for March today. Thanks for the very fine handling of my powder piece. I'm glad this information is now in the hands of shooters from such a top publication.

Congratulations on the whole darned issue, which I'm reading cover to cover (usual for GUNS), but this is one of your best efforts. I like that story on Mathews, the one on Johnson's "Spitfire," your piece on gun photographs, and Bearer's Colt's New Service story. Heck, I like it all!

Thanks again for the fine treatment you gave my story.

E. M. Yard
Trenton, N. J.

Warning

I feel it my duty to warn the shooters of America about H.R. 12471 by Rep. Seymour Halpern, proposing the prohibition of importation and transportation of firearms into states where such arms are licensed. Of

course, I'm not the only one who knows of this, but I feel that your magazine can contact many people who do not now know about this bill.

This bill may have no effect on residents of states that do not require the licensing of firearms, but it is their fight, too. If we do not stop the frantic and illogical anti-gun legislation at its source, it will creep over us like a plague. Write to your representatives, and voice your opinion on any and all bills concerning firearms. If you don't do your part in stopping asinine laws, you have no one but yourself to blame. The N.R.A., the various gun magazines, and the many interested groups can't do the job for you without your help. Back them up, for your sake and theirs too.

Bill Clark
La Porte, Ind.

Letters to Editors

I congratulate your fine magazine on its firm stand against firearm registration. It is a shame that more Americans don't know what the real truth is about firearms. It seems that many who write or edit local and national publications favor gun registration. I read an article in my local paper a few months ago that was written by a Hearst newspaper reporter. He was strongly in favor of gun registration, for the same old reasons. Less crime, etc. So I wrote a long letter to the Editor of that paper and stated my opinion about the article and told him that it was more fiction than fact. It was published. What surprised me was that no one else wrote in to stand on my side of the issue. It is too bad that more people don't take an interest in the fight.

Mathias C. Poulin
Randolph AFB, Texas

Don't despair; dozens of others may have written. Editors, crowded for space, often publish the best, or the most representative, letter received on a subject. But you are right; all of us should make our beliefs known.—Editor.

Wrong Magazine

I have read your many articles on anti-gun laws, and I agree with you all the way—they are not for this country. But not enough of the people who need to be convinced buy your magazine, or any other gun magazine. To do any real good, these messages should go to the people who are not already gun enthusiasts.

Would it not be possible for you to get your articles printed in some of the other magazines that are read by the non-shooters? They are the ones that are trying to ruin everything for us.

Keep up the good work!

Craig M. Smith
San Bernardino, Calif.

We are trying! Editors of and writers for gun magazines are trying, the shooting associations are trying, the industry is trying (through the efforts of the National Shooting Sports Foundation and the Sportsmen's Service Bureau) to get favorable publicity, for guns and for the shooting sports, into general-interest magazines. It isn't easy. Some are already committed by previous anti-gun

articles or editorials. Others just aren't interested. But progress is being made, and all efforts are being increased—Editor.

AR-15 versus M14

Gentlemen:

Re Mr. Johnson's letter on the AR-15 versus M14, I was one of those who were opposed to the wasted effort put out on the M14 and the 7.62 Nato. The worst criticism you could get out of Washington on the AR-15, was that it was hard to do the manual of arms with, and it didn't have a gun-collector's walnut stock. Now the back office boys say we need a job like the M14 so that the enemy can't get close, like they could with a Springfield, Garand, or M1 carbine.

Now you and I know that they can get too damn close, and with hordes of them reaching for your gullet, anything that can fire 750 R.P.M., with a 500 round magazine, would be welcome regardless of the barrels and ammo shot up. It's times like these, in horde fighting, that fire orders are not carried out, and it's every man for himself. It's times like these that fast-firing choppers are the only thing that can stop those souped up hordes, and if you can spray the attack area with something like an AR-15, you'll have thinner ranks to pick off. If we haven't tried it, we shouldn't knock it, and the reports from Vietnam should prove interesting when we get full report from there on the .223 cal. AR-15. Throw away full automatic? Why not throw away our ICBM's too?

Charles J. Huckleberry
Elkhart, Indiana

A Woman Speaks

This is an opinion from a woman who is quite disinterested in guns herself, but who competes with many guns and stacks of gun magazines for her husband's attention. (It's really not that bad; it just sometimes seems so.)

My policy in bringing up our children has been to teach them how to use the various

dangerous things that are among the necessities of life: fire, electricity, traffic (pedestrian as well as on wheels), and many others—including guns. We cannot shield our children from all danger; we must teach them to observe the rules that reduce dangers to a minimum.

Certainly we should not prohibit guns; we should encourage them as mediums for both sport and safety. We may need guns, as our fathers did at the Alamo and elsewhere. Who was it said, "Speak softly, but carry a big stick?"

Mrs. Robert Hamlin
Whitinsville, Mass.

Bouquet . . .

The January "Safari" issue has given me more pleasure than any you have published, and I have enjoyed them all. I'll never make an African safari, nor a shikar in Indo-China; I will probably never be able to hunt even in Canada, or Mexico. But what hunter doesn't dream of these hunters' heavens, and dream himself behind that big double rifle as its sights bear on, say, a tusker? Your Safari issue carried me to lands I'll never visit, showed me game I'll never see. Thank you! Do it again!

Steve Boreland
Miami, Florida

. . . and Brickbat

I was most disappointed in your January issue. How about some articles on deer, duck, rabbit, quail, and squirrel hunting, for us common people? Jane Dolinger's "Who's, Who On Safari" should have gone to some such magazine as "McCalls" or "Ladies Home Journal," so that the right people could read it.

E. Moor
Athens, Georgia

United Humane Front

Quite a few sportsmen in California still don't know about the United Humane Front and what it intends to. I'm not an alarmist,

GENUINE MAUSER SHORT RIFLE



Cal. 7MM

\$9.50

includes 100
rds. ammo

These are the '93 original short rifles and not cut down or sporterized guns. Nor are they the tiny little carbines or brush gun. 7MM caliber with 22" barrel—just the right length for a high powered rifle. Ammo for rifle is never hard to find.

To get this ridiculously low price I had to buy a heck of a lot more than I need so I can't select for anyone. I'm selling these guns and cartridges at decorator prices. At such prices I can't check them as to their safety. I simply take them out of their overseas cases and ship them to you.

Use them as decorators or have them checked by a competent gunsmith before shooting. I believe you'll agree that a GENUINE MAUSER action alone is worth more than I ask for the rifle plus 100 rounds of ammo. It's yours for just \$9.50.

For the quantity buyer I'm darn near giving them away at only \$135 per case of thirty (30). No ammo included in this low, low case price.

DON'T EXPECT THESE MAUSERS TO LAST LONG at THESE PRICES. DON'T BE DISAPPOINTED * * * ORDER YOURS TODAY.

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SAVE 80%

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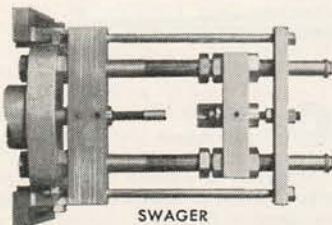
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but why under-estimate our enemies? There is not doubt that the U.H.F., if it succeeds in abolishing hunting in California, will expand their efforts here to include fishing—and expand them geographically to include all states. This organization is set for not just one crack at us, but to fight us for years to come, and it is going to take hard work to beat them.

George R. White
Berkeley, Calif.

For GUNS' comments on the United Humane Front, see GUNS, February, page 45, and "The Editor's Corner," GUNS, April. —Editor.

BIG DEAL?

Newspapers from India carry, under big headlines, the following announcement:

"The Punjab Government will shortly set up at Pinjore a factory for the manufacture of air rifles in collaboration with the American firm, Daisy Air Rifle Manufacturing Company.

"The State Government has decided to introduce rifle training in all its schools, to teach boy and girl students in fourth to eighth grades. Chief



Cass Hough and India's Chief
Minister Pratrap Singh Kairon.

Minister Pratrap Singh Kairon said, "We should train children from childhood to handle guns. Training in shooting will instill disciplines, will also prepare them to handle firearms with ease and skill whenever needed for the defense of the country."

The training program will later be expanded to include shooting with .22 rifles, and with handguns.

Daisy executives are studying India's offer. "When you think how many children there are in India," a Daisy spokesman said, "it goes without saying that we are interested!"

What interests us is that this is the most realistic and far-sighted attitude taken by any government to date regarding marksmanship training and gun education! However critical Americans may have been of Nehru in other matters, compare this with the efforts of our own governments, high and low, to restrict or prohibit!

Congratulations, Daisy! And congratulations, India! Maybe next time somebody starts shoving, you'll have "A Nation of Rifemen" to help you defend those borders!

Colorado Papers Join Anti-gun Outcry

Being a gun enthusiast and an avid reader of your magazine, I ask you to help us combat the anti-gun propaganda being published by both our Denver newspapers, Colorado, of which I am a native, has been till now a state which has enjoyed true gun freedom. We have always believed that anti-gun legislation "can't happen here." But please spread the word that it is happening here, or will if these editorial propagandists have their way. Coloradans, defend your rights!

Joseph Riordan
Denver, Colorado

Old, Older, Oldest?

In your February "Crossfire" is a letter regarding oldest clubs. The Citizens' Rifle & Revolver Club of Rochester was founded in January, 1908, and affiliated with the National Rifle Association in August, 1909. We shoot two nights a week and belong to a league. I have been a member for the past 30 years.

L. L. Smith
Rochester, New York

A letter in the February issue of GUNS regarding the age of various Gun Clubs prompts this letter to you.

We believe that Exeter Sportsman's Club is the oldest club in the U.S. It was founded March 23rd, 1878, for "the protection of game and improvement in shooting." On May 28th and 29th, 1884, a team from this club won the first International Clay Pigeon shoot in Chicago, and became the first World's Champion trapshooters.

The club has on display in its clubhouse many mementos of the past. There is a "Pigeon Stool" which was used to lure flocks of the wild passenger pigeons to their doom and from which came the expression "Stool Pigeon." There are two glass ball traps which were used before the clay pigeon was invented; and, of course, medals and trophies from the 1884 world's championship.

H. L. Smith
Exeter, N. H.

Next-Best Thing

Just finished reading the Dec. issue of GUNS.

I'm not writing this to run down some poor writer, or to gripe on some article. Just writing to let you know that I appreciate reading something worthwhile for a change. More true-to-fact stories like "Grizzly King Of The Valkyr Range" are truly appreciated by us G.I.s. There are quite a few of us guys here from the Pacific North West, and close to B.C., who really miss that country up there, and the hunting. The next best thing is some good reading on what we're trying to preserve by being in uniform. Keep coming out with that type of articles, and I'll keep coming back for more.

S/P 5 Dale R. Edwards
Ft. Leonard Wood, Mo.

From the Reloader Factory . . .

One of the best reasons we can think of for you to start reloading your own Shotshells!

see ad
on page
7



Range in doubt?



WEATHERBY MARK V .300 MAGNUM, \$285. (Scope Extra)

The flat-shooting hard-hitting .300 Weatherby Magnum takes the guesswork out of long shots

Estimating long ranges is the most difficult shooting problem facing the big game hunter once the quarry is sighted. However, the man armed with a .300 Weatherby Magnum has many problems solved for him. Using the 150- or 180-grain .30 caliber bullet zeroed for 300 yards, trajectory rise is negligible, and drop is so slight at 400 yards that a "hold over" of only a few inches will mean a solid hit in a vital area! This kind of flat shooting gives you plenty of "margin" for clean one-shot kills...the kind of extra long-range killing power the Weatherby Magnum is famous for.

Along with flat shooting, the Weatherby Mark V action gives you unsurpassed speed and safety. Low 54° bolt lift

gives speed for that second shot. Nine precision locking lugs (with 50% more bearing surface), 3 gas ports plus completely enclosed cartridge head make it the strongest and safest rifle on the market.

See the ultimate in big game rifles—the Mark V Magnums in .257, .270, 7mm, .300, .340, .378, and .460 Weatherby calibers. All are famous for flat shooting. Write to us for free literature or send \$2.00 for the 12th edition of the profusely illustrated 150-page "Tomorrow's Rifle Today," the Weatherby Guide. Weatherby, Inc., 2781 East Firestone Boulevard, South Gate, California. In Canada: Canadian Sauer, Ltd., 103 Church Street, Toronto, Ontario, Canada.

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"Sharp shooting's only half of hitting what you aim at," said the Norma Man. "Your components must do their job too."

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Norma's accuracy is no accident. It's due largely to precision manufacturing techniques. For example:

Norma bullets are machined by tough tungsten carbide dies to micrometer tolerances (as close as .0004 inches!)

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Fill your shooting needs from the broad line of Norma hunting and match calibers—including super accurate bullets like the 187 grain match boattail illustrated.

Take advantage of the Norma Man's shooting savvy. Ask for Norma—

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SOUTH LANSING, NEW YORK
Div. of General Sporting Goods Corp.

GUN RACK



Winchester Rifles

Three new .22 rim-fire rifles recently made their appearance on the Winchester-Western scene. The pump gun, Model 270, is available with either a plastic fore-arm (\$52.95) or with a wooden one (\$55.95); the autoloader, Model 290, also sells for \$52.95, while the lever-action model, M 250, will set you back \$56.95. All of the models have cross-bolt safeties, handle all .22 RF ammo interchangeably, have tubular fed magazines, weigh on the average 5 lbs. without scope,



and they shoot like target guns. Although there are of course some differences in the three models, let's take a look first at the similarities.

Steel is used in these guns where steel is needed to give proper action; alloys are used where their strength is needed and where weight is of no consequence; and plastic is used where it is suitable—such as in the newly designed sights, the magazine cap and lock-up system, and so on.

The sights of these guns are unusual, and some, at first sight, express doubts about them. But, field tests and range tests proved them to be very good indeed, both as to accuracy and ease of adjustment. The rear sight is fully adjusted for windage and elevation, has positive click stops, and coming back to the original setting is about as easy as falling off that well-known log.

Over-all lengths of the new 200 series is 39 inches, barrel length is 20½ inches. Stock fit is excellent for the average shooter, and function tests, performed in sub-zero weather, were satisfactory. Receivers are grooved for tip-off mounts, and we used the new Bushnell 4X Scopechief in our tests. Because of sub-zero temperatures and wind conditions, accuracy tests were done on our indoor range.

We used WW Long Rifle, Long, and Short ammo, first separately and then interchangeably. All the guns fed and ejected without malfunction, had positive safeties, and functioned very well under the most adverse conditions. Accuracy of the three guns tested was outstanding. All three of them produced

10 shot groups measuring around ¾ of an inch at 30 feet, and did it consistently, even when the guns were brought on the warm range from outside function tests, which were done at 10 below zero.

These are fine guns for hunting, plinking, and informal target shooting and you have your choice of actions. They all did very well in our extensive tests.

Pacific's DL-350, New Scale

Bob Deitemeyer's DL-350 shotshell loader arrived for tests some time ago and was promptly put to work. This is a solidly built, progressive machine that requires no adjustments since it is pre-tested at the factory. Our unit was set to deliver 23 grains of Red Dot and 1½ ounces of shot. We first collected all our once-fired Monarch hulls, then a batch of the same make hulls that had gone through several firings and showed their wear and tear.

If you follow the precise directions given, you cannot go wrong in producing shells that resemble the factory stuff right down to a T. Start the empty hull at position #1, decap and re-prime by moving handle up and down, move the turning stage to the next stop, insert another hull into position #1, fill the powder hopper, move the tool handle up and down, and you have shell #2 primed, and shell #1 is now charged with powder. Out of sheer curiosity, we timed the full cycle, and it took less time to produce five perfect shells than it took to write this paragraph. Empty hulls and primers are placed on the primer post with the left hand, and the loaded and crimped shell is removed from the platen with the left hand. Inserting the wad is done with either the right hand alone or, we found it even more convenient to use both hands. Once the wad column is determined, we used the left index finger to depress the wad seating bar, and with the right hand we started the wad into the guide and into the hull.

As the operator gains experience, it should be no trick to get 500 shells an hour out of the DL-350. Our first run-through produced 294 excellent shells, six being lost in determining the height of the wad column and in taking some of the loaded shells apart to check for even powder and shot delivery. This is an excellent tool, rugged and yet easy to operate, and there seems to be no way of goofing up any of the shells or loading steps. By the way, the DL-350 also loads plastic and metal hulls, and can also be used to load new paper hulls. Available in all gauges, the DL-350 from Pacific Gun Sight Co., Box 4495, Lincoln 4, Nebraska, retails for \$139.50.

In the same shipment, we received the new Pacific Deluxe Powder Scale. Built along the

conventional lines, this is a reliable and sturdy scale that appears to have a high degree of accuracy. Charges weighed on our shop scale checked out in 50 instances right on the button with the Pacific Deluxe Scale. The swing of the beam is even and smooth, and the scale shows a sensitivity of 0.1 grain. With powder like Ball C, Lot #2, even three flakes of powder on the weighing pan showed a deflection of the beam.

Popowski Crow Call

Crow hunting is fine sport—if you can hit the black robbers. There are three requisites to the sport: crows, plenty of shotshells, and a call handled by a caller who knows what he is doing. Novice crow callers sound like a love-sick cow most of the time and only succeed in scaring all



the crows, chucks, and other hunters in the county. Though there is a trick to calling, the best crow calling advice anyone can give you is—get a good, well-tuned call, and practice.

One of the best that we have used is made by Bert Popowski, Custer, S.D., crow calling champ. Bert sells his call in sets of two, complete with instructions, and fully pre-tuned. The calls are made of plastic and it is virtually impossible to get them out of tune. If you follow the instructions, crow shooting—if you can hit them—will take up the slack during the season when edible game is on the verboten list. The complete set, obtainable directly from Bert, cost only \$5 and the calls are a lifetime investment.

Bullet Energy Calculator

This is a very handy gadget if you want to know what the energy of a certain bullet is and you know what the fps of the pill is. The latter is available, of course, from the various loading tables. The bullet weight you know, or should know; and the BEC will give you the energy dope. This little chart device was worked up by Stan Grant, Dept. G, New Lothrop, Mich., and ½ dollar American will get you one by return mail. You get 3 BEC's for one dollar.

Hornady Bullets

Joyce Hornady, chieftain of the Hornady Mfg. Co., P. O. Box 906G, Grand Island, Nebraska, has converted six more of his regular spire point bullets to the new Secant Ogive design. There are now a 70 gr., a 75 gr., and a 100 gr. pill in the 6 mm caliber, an 87 gr. and a 100 gr. in caliber .257, and the latest in the S/O line is the 130 gr. .277 bullet. Also new from Joyce's ballistics lab are the loading data for the hot 7 mm Remington Magnum, and a table listing all of the Hornady bullet ballistics coefficients. Write to Hornady for these pieces of hand-loading info. (Continued on page 60)

EYES FRONT FOR BIG NEWS!

Presenting America's all-new Mannlicher style 22 rifle the great Savage 63!

You've never seen a 22 that's anything like the Savage 63! This all-new single-shot rifle has the look and feel of a costly custom gun. Handsome Mannlicher-style stock extends to muzzle. Strong front lock-up, like a big-bore rifle, provides precision headspace, top accuracy. Brand-new action assures smooth, crisp trigger pull. Automatic safety goes on when bolt handle is raised.

When you add features like sling swivels and hooded ramp front sight, you'd think this all-new Savage would cost a mint of money. Yet the price of the 63 is just **\$21.95**. (Savage 3X-6X zoom scope extra) See it at your sporting arms dealer now!

22 MAGNUM ALSO! New Savage 63-M is chambered for the powerful 22 Magnum cartridge—lowest priced 22 Magnum rifle you can buy! Only \$24.95.

FREE! Illustrated 32-page catalog of Savage, Stevens, Fox firearms. Write Savage Arms, Westfield 16, Mass. Prices subject to change. Slightly higher in Canada.

model 63

Savage

Savage 3X-6X zoom scope only \$16.75

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The SPEER 200 grain semi-wad-cutter is the ultimate in match pistol bullets. Patterned after the popular H&G design, the Speer swaged lead version offers perfect weight control and balance for optimum match performance.

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WORLD LEADER IN PRODUCTS FOR HANDLOADING



Pull!

BY DICK MILLER

IN THIS AGE of scientific advancement, space exploration, computer systems, and complex economic formulae, the noble art of shattering clay targets needs upgrading. As the hipsters put it, you are just not with it, if you can't present your story in formula form, so that it can be recorded, digested, or retained by a computer.

Let the computers clank away on this one, if you will. The formula for all shotgun performance is $X + Y = P$. When we refine the formula and assign values to x, y, and p, they come out this way. Ninety per cent X, plus ten per cent Y equals one hundred per cent P.

X stands for mental discipline, Y stands for mechanical shooting ability, and P stands for performance.

Now, as all good citizens of today know, you must be able to prove your formula, once it is presented. So that the computer won't blow any transistors, and strip a batch of sensitive gears on the 90 per cent value given to X, as compared with 10 per cent Y, we expound.

Shooting has to be 90 per cent mental, and 10 per cent physical. Except for a few rare cases of very poor eyesight, damaged coordination, or unusual health factors, we are all endowed with the physical equipment necessary to break a flying target. Any human being whose physical equipment falls within normal range can learn the mechanics of clay target shooting. There are no real gimmicks, no hocus pocus, no untapped areas of learning in the mechanics of shooting. You just pick up the gun, swing the muzzle after the target, and pull the trigger at the right time.

Now, if you could leave that phrase, "pull the trigger at the right time," in the area of mechanics, all would be lovely. Unfortunately, that bogey man of 90 per cent mental begins to intrude on the area of decision as to when to pull the trigger.

Let's look at it this way. Every "Pull" reader has seen the rank tyro at the gun club or in the field who could not miss. Some of our readers have been in that very position. So, what happens when they come back to the club, or continue in the field? They begin to think.

At first, their entire concentration was on breaking or hitting the target. Nothing else mattered, mainly because they didn't know anything else.

One classic example comes to mind at this point. I once took a friend to a skeet field, just for the ride. After we arrived and I had clobbered a few targets, he decided this looked like fun, and he would have a round or two. I mercifully spared him any instruction for the first round.

He broke 22 of the 25 targets, using quail-hunting methods.

Exhilarated by this experience, he signed for a second round. By this time, I passed on a few tips on how to break targets from a given post. His score dropped to 18.

There was no more time that night, but we made a date for next week at the same club. Enroute home in the car, I filled him in on all the mechanics of skeet shooting, and reviewed them on the way back to the club next week.

Armed with all this information, and thinking about it at each post, his score dropped to 11. Before the next round, I gave him the exact picture for shooting each shot. His score dropped to 8.

He never returned to the club. I understand he bought a boat instead of the skeet gun he was talking about that first night.

Experiences like this are not confined to shooting amateurs. Conducting a shooting column presents occupational hazards. We are inclined to live in a very heady and exalted atmosphere, which sometimes permeates our thick skulls, and provides dramatic proof of shooting factor X, that of 90 per cent mental discipline.

Not long ago, I was scheduled for a few rounds of skeet shooting with some associates in Georgia. Well in advance of the appointed date, it was brought out that one of the other fellows had shot a few rounds of skeet, another had seen a round of skeet, but had not actually tasted the game, and the third fellow had neither seen nor shot skeet. So it was suggested repeatedly that, in view of my extensive background in shooting, trophy winner in state and national shoots, etc., that I should personally conduct the session and counsel my associates in the fine art of target smashing. All of the fellows were hunters, proficient with the shotgun in the field but not on the range (or so I thought).

Knowing the hazards involved, I gave them no specific hints on skeet shooting, beyond indicating the house from which the target would emerge.

They all shot beautifully, and broke fine scores. The manager of the club rented for the occasion observed all that happened, and volunteered the information after we finished that rarely in his life had he seen anyone who had better shooting form than I did. But, he wondered, why I hit so few targets! Because he was a Southern gentleman, and was trying to ease the pain for me, he did say that never in his life had he seen eleven targets broken more gracefully.

Why did I break so few targets? Elementary, dear reader. I was giving value Y 90 per cent of the effort, and only 10 per

cent to X. Therefore the correct answer of P was never reached.

My chubby but erudite little friend, John Madson, in a recent news release, tells of a shooter who always bills himself at the club or in the field as the world's worst shooter. This humble soul gives out with sundry expressions of great amazement, and profound joy at his luck, as he smacks down all the targets.

Why does this man violate all of Dr. Peale's tenets for the power of positive thinking? He does it so that he will think only of hitting the shot, instead of how he is going to hit the shot.



I have said before in this column, and I say it again, that at least one thousand of the two thousand plus entries in the Grand American Handicap event on Friday of the week-long national trapshooting tournament in Vandalia, Ohio, are equal in mechanical shooting ability. But, when the mile-long line of traps is stilled in the shadows of evening, only ten men have won trophies, and gone into the record books. (There are ten trophy places for that day's shooting).

Those ten men are not better versed in the mechanics of shooting, but they had better mental discipline than all the rest, at least on that important day. They were, in greater degree than all the others, able to concentrate only on breaking the target, instead of how they were going to break it.

In order to make this point hit where most of us live, I remind all of you that you know (or may be) shooters who can burn 'em up in practice, but who fall to pieces when the tournament starts. We all know the hunter who, alone or with a friend or two, hits all his field shots, but then fails miserably when strangers or VIPs join the party.

This can happen even to a shooting editor. A certain shooting editor (whose picture graces (?) this magazine) went through a bird season without a miss, shooting alone or with friends of long standing, who did not need to be impressed. The self-same editor was called upon after the season, as a part of a public relations venture, to play host for some pheasant shooting on a preserve. Guests were some VIPs, whose reactions to the shooting were very important to the success of the venture.

The VIPs shot well and often, and finally insisted that the host be allowed to take a shot, so that they could see how a "pro" did it. The "pro" was thinking of everything under the sun except hitting the pheasant that lazily and majestically sailed from cover into the biggest open space in four counties. The VIPs did not see how a "pro" hits a pheasant, but they enjoyed a deep belly laugh at how a pro can miss one! This may even have helped the venture, but it did nothing for the editor's ego.

So that this column may be even more timely, may I remind you that the New Frontier approach to shooting asks that you think more of hitting the target rather than how you are going to hit it. Remember, X plus Y equals P.

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—Wide World photo



—Wide World photo

Vanzetti (left) and Sacco (right), shown handcuffed at left, were executed in 1927 after six-year court fight that triggered countless protest demonstrations like the one pictured above, this one in Union Square, New York.

By SHELLEY BRAVERMAN

WERE SACCO AND VANZETTI FRAMED?

ON AUGUST 23, 1927, Nicola Sacco and Bartolomeo Vanzetti were executed by the Commonwealth of Massachusetts for the brutal murder, in South Braintree, Massachusetts, of Frederick Parmenter, a paymaster, and his guard, Alessandro Berardelli. But were Sacco and Vanzetti guilty?

Few causes celebre in the annals of American crime have ever so stirred the public or created such bitter feeling—or more passionate disagreement—than did this simple hold-up killing. Newspaper blazed with headlines; mobs milled in the streets of many cities. The trial was international news. But—the question still remains: were Sacco and Vanzetti guilty . . . or were they framed?

The evidence hinged largely upon ballistic evidence. Today, forensic ballistics is a highly specialized union of sciences. Then, ballistics experts, self-styled or otherwise, testified without the benefit of comparison microscopes, in direct contradiction on many points. Since then, perjury, forgery or substitution of evidence, as well as sheer incompetence, has been charged on both sides; with the result that today's expert in forensic ballistics must not only weigh evidence 40 years old but must weed out what evidence he can trust and what he believes is false.

The crime itself was not particularly complicated. At about 3 P.M. of April 15, 1920, in South Braintree, Massachusetts, Frederick Parmenter and Alessandro Berardelli were shot down by two (or three) members of a gang of four (or five), and robbed

Few criminal cases in history have caused such public hysteria, such bitter controversy. Ballistic evidence played a major part in the trial. Here is a new, documented, expert opinion which brands much of that evidence as false.



At left: Vanzetti's 5-shot Harrington & Richardson revolver; right, Sacco's .32 Colt auto, presented as evidence as the murder weapon. Photos were made in 1960.

—Photos by Boston Globe



of \$15,776.15, the payroll of the Slater and Morrill shoe factory.

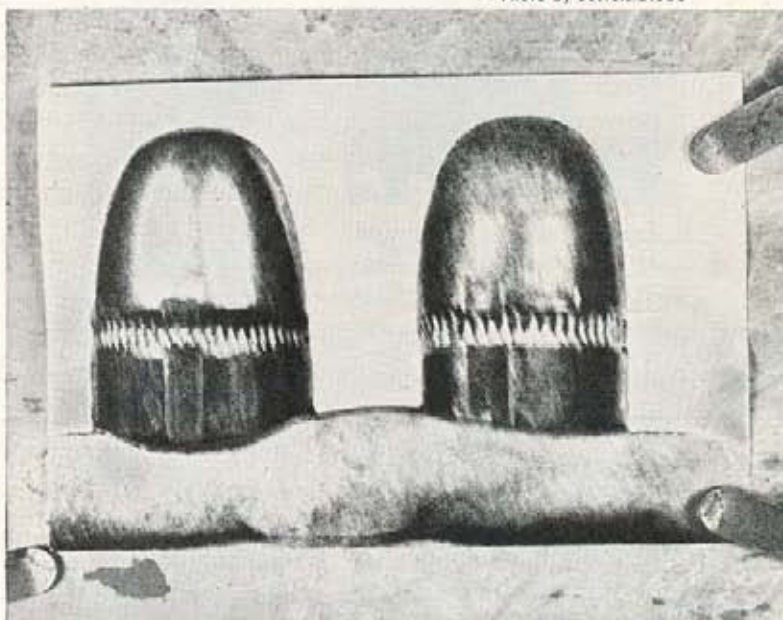
Nicola Sacco and Bartolomeo Vanzetti were charged with the crime on May 5, 1920, and convicted July 14, 1921. Six years later, they were executed.

The judicial system of the Commonwealth of Massachusetts differs from those of other States. Six years were spent in fruitless efforts for a new trial—efforts that were hampered mainly by a judicial system that required the judge of the original trial to pass on charges of his own prejudice.

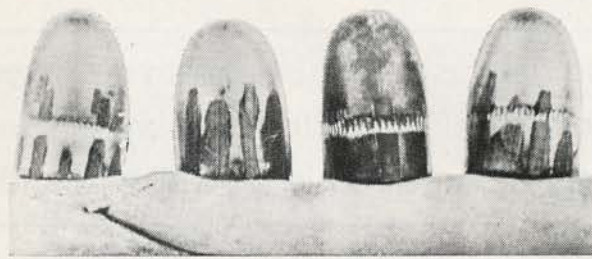
Sacco and Vanzetti were "radicals" politically, and the lamentable post World War I hysteria over radicals of their variety made their conviction almost inevitable. Prejudice on the part of their trial judge—who referred to the defendants during the critical period as "anarchistic bastards"—was not solely responsible for their conviction. Their original defense attorney was a factor in the development of provoked emotions. Inflamed partisans participated in almost everything from protest meetings to actual bombings throughout the world, resulting in a sort of solidification of the authorities of Massachusetts towards the "guilt" of Sacco and Vanzetti.

Expert testimony—that is, testimony by witnesses accepted as experts in their various fields—carries terrible weight in a courtroom. Juries, ignorant of the science expounded, harken to the "expert" as they might to God—unaware, unfortunately, (1)

—Photo by Boston Globe



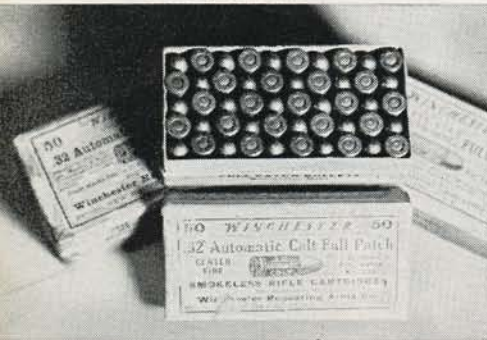
Left: lethal "No. III" bullet. Right: a test bullet fired in 1944. Photo proves that the sealed evidence was unsealed and studied 17 years before 1961 tests.



Left: highly magnified composite photo shows half of test shell fired from Sacco's pistol (top) matched with case allegedly found near body of murdered guard. Above: the 4 bullets taken from victim's body. Lethal bullet III is third from left. See bullet bases below.

—Composite, left, and panel of bullet bases below, by permission of "The American Heritage," from article "Sacco Guilty, Vanzetti Innocent?" by Francis Russell, June issue, 1962.

—Photo by Braverman



Braverman bought in 1962 box lots of ammo experts could not obtain for 1920 testing.

Below: bases of 4 bullets submitted in evidence. Note different marking on bullet No. III.



Experts Weller (left) and Jury re-enact firing of Sacco's gun for bullet recovery.

Base of "W" type bullet fired through 1" board. Note resemblance to #3 bullet.



—Photo by Braverman



that qualification of a witness as an expert by a court does not necessarily make that man an expert, and (2) experts are human and therefore as subject to moral frailties as other mortals. There is also the fact that the expert must often accept the evidence given him and pass on it without knowing whether the story told him concerning that evidence is true, unscientific, or deliberately false.

It is now generally conceded that prejudice weighed heavily against Sacco and Vanzetti, that testimony given as expert was less than expert by today's standards, that tampering with evidence and even outright perjury may have occurred. Various objective investigators examining the records in the years since the conviction have vowed the two men innocent of the murders, however guilty they may have been (one or both) of political deviation. One investigator, in an opus recently published, straddles the fence with the claim that Sacco was guilty but Vanzetti innocent.

In my considered opinion, both men were railroaded! The evidence of fraudulent testimony by Captain William Proctor, then in charge of the Massachusetts State Police seems to me to be conclusive, and sworn testimony discloses misconduct on the parts of the State Police and the District Attorney's office, if only in the failure (refusal) to investigate properly and thoroughly the confession of one Celestino Madeiros who identified members of the Morelli gang, a band of professional criminals, as the actual killers. H. B. Ehrmann, in his book, "The Untried Case," describes in detail the activities of the Morelli gang and the evidence of their guilt, and strongly supports the innocence of Sacco and Vanzetti.

After refusing to investigate the Madeiros confession, the Commonwealth of Massachusetts electrocuted Sacco and Vanzetti, and has, ever since, attempted to divert attention from this by contending that, even if the trial was unfair, "they were guilty anyway." One by one, piece by piece, the witnesses and evidence used by the State have been discredited. Now, only the field of ballistics remains—and it is with the ballistic evidence that we are now concerned.

The evidence hinges on a single .32 ACP bullet and a single .32 ACP cartridge case. The bullet was known throughout the trial as the #III bullet, and was allegedly removed from the body of Berardelli by the Medical Examiner Dr. Magrath. Magrath (Continued on page 52)

IT'S BEEN A BUSY YEAR AT NEW HAVEN... AND THERE'S MORE COMING!

"ANOTHER BIG YEAR for Winchester-Western," was the forecast-for-'63 consensus of the writers and editors invited to Nilo Farms in southwestern Illinois for the annual W-W Seminar—a first look at the new products under the Winchester-Western trademarks for 1963 release.

Among the new leaders (some of the "goodies" we saw at Nilo are still under tight wraps; we'll tell you about them later) is the new "200 Series" of .22 Rim Fire rifles. See them below: A lever-action, a pump, and an auto-loader, all brand-new in design, all perfect-functioning with all three .22 RF cartridges (Short, Long, and Long Rifle), and all in the under-\$60 price bracket. (See test report, "Gun Rack," this issue.)

Winchester-Western spent nearly seven years and approximately a million dollars to produce this new line and the advanced manufacturing methods with which to make it. They brought in top designers from all over the world, top scientists in the fields of metallurgy. The time figures alone are startling: 49,000 hours (24 man-years) on design; 40,000 hours (20 man-years) in the model shops; and all this in addition to the retooling and man- (Continued on page 62)

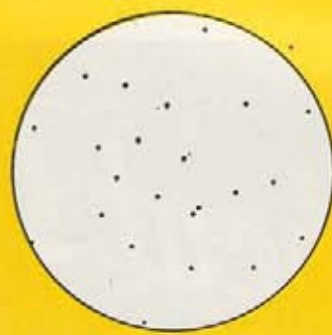
WINCHESTER-WESTERN—

"News from Nilo"

By E. B. MANN



The new .22's from Winchester, top to bottom: Autoloader M290, pump M270, and the lever-action, Model 250. They function smoothly, have good accuracy.



43-CIRCLE
CONVENTIONAL LOAD



25-CIRCLE
MARK 5 LOAD



CONVENTIONAL LOAD



MARK 5 SUPER BUCK LOAD

A conventional shell delivers badly deformed buckshot in poor pattern, above. New Mark 5 gives a better pattern, less pellet damage.

Comparison of new Winchester cartridges with established ones shows how they stack up. Top figure is bulletweight, then fps and energy.

| | | | |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | | |
| 270 WIN. | 284 WIN. | 300 WIN. MAG. | 300 H&H MAG. |
| 130 150 3140 2900 2840 2800 | 125 150 3200 2900 2840 2800 | 180 180 3400 3070 3850 3770 | 150 180 3190 2920 3390 3400 |

Bobcat!

ON SNOW AND SAND

By BYRON W. DALRYMPLE



**RUN THEM WITH HOUNDS IN DEEP SNOW, OR CALL THEM AT NIGHT—
EITHER WAY, YOU CAN HAVE SOME FINE CAT HUNTING**

FOR AN HOUR I had stood in the snow, waiting for hound voices to come from the river. Then far-off hound music wafted through the woods, dimming the whisper of the lightly falling snow. The sounds grew louder, the dogs were headed my way. The spot where I stood was an old cat crossing. You'd jump a bobcat and get him going hard up-river, and he'd get right here to the big log, slick with snow and ice, and he'd cross it in three, four bounds. The dogs would come bawling. They'd overrun him where he turned, but finally they'd work it out, start across, fall in the river, wallow around, giving the cat plenty of opportunity to rest, or shake them, or wear them down.

But today I was here watching the log. When he showed, I'd lay him on the snow.

Then something went wrong. The hounds didn't move any closer. Their voices changed. They were staying in one place. The cussed cat had treed.

I kicked snow off my webs and started toward the dogs. In a matter of a few heart-hammering minutes I found them, yammering around a big pile of down timber and brush, but obviously at a loss. This was a mystery; what trickery had this cat used to fool experienced dogs?

Slowly, I worked it out. The cat had run up a log, ducked, moved around in the heap of stuff. Then he had come out, climbed a big balsam, and waited. While the dogs buried their thick heads in the brush pile, he had jumped. His new track was headed in long bounds right toward the crossing I had left. Sure enough, when I got back there,



Bobcats can easily be called within easy rifle range during daylight in Mexico. Cats have not been hunted hard and respond very readily to good predator calls.

there were his tracks on the crossing log.

When I lived in northern Michigan bobcat hunting was one of our most looked-forward-to mid-winter pastimes. After deer season, the long, deep-snow months were never dull. You could get up a gang and head for the woods at daylight, scout a fresh cat track, put the hounds down, and nine times out of ten you had a full and dramatic day. If you got back by dark you were lucky; and whenever you got back, with or without a cat, you were beat but happy.

The bobcat is one of the most amazing colonizers known to man. Its range on this continent stretches from coast to coast, from southern Canada clear down into southern Mexico. This is why the bobcat should be far more important and better known to hunters than it is. There is hardly a wooded, brushy, or rocky area where fun with bobcats can't be had. The animal is prolific, most difficult to wipe out in any area, uncannily secretive, and there are no closed seasons. Whenever you want to hunt a bobcat, you just do so.

(Continued on page 42)



Texas bobcat came to call during night hunt and held still long enough for author to get picture of scene.



Snow hunting is tough work, but can give you much sport. Short range shooting is the rule and shotgun is adequate, especially when a hunter can predict the cat's movements.



Author happily carries a big Texas cat that answered predator call during day. Hunting cats in brush offers different challenge.



HIS GAME IS FOR FUN,
OURS FOR SURVIVAL. HERE ARE THE
REAL DIFFERENCES BETWEEN

Fast Draw vs.

Exaggerated fast draw posture makes gunslinger a good target for opponent, but also makes rapid holster clearing possible.

By BILL TONEY

ONE OLD WEST authority recognizes only two kinds of gunfighters—the quick and the dead. Another just as firmly declares that speed doesn't mean a thing in a fight, that it's hits that count. One publication was so caustic about fast draw some years ago that a straight shooting Federal law enforcement agency was scared completely out of any fast draw practice in their academy. Yet, fast draw clubs are mushrooming both in number and in size all over the country. How do today's fast draw competitors stack up against the combat shooters? What are the differences?

The "practical pistol course," is popular with police departments throughout the country. It involves shooting on man-sized silhouette targets at 7, 25, 50 and 60 yards. At the close-up stage, the shooter has 25 seconds in which to draw, fire five shots, reload, and fire five more rounds,

all from hip level. At the other distances he fires in prone, sitting, and standing position from behind a barricade. This is good training for new police officers, but shooting from the hip is woefully slow when compared to fast draw times. In modified form, this course is used by Colt's and Indiana University in the biggest police combat shoot in the country.

The Toledo, Ohio, Police Department runs a combat course in which the contestant fires under various conditions, from sitting astride a fence to riding down a winding road in a patrol car. A high degree of accuracy is required for good scores, but speed is not required.

A few departments well supplied with ingenuity, money or both have used training films that project actual combat conditions onto a screen. The officer shoots when he thinks he should and is judged not only on speed and accuracy



Combat shooter, crouched stance, offers smallest possible target. New Haven police placed all shots into kill zone during the firing of the Indiana University police match.



Pop-up target, in window, could be enemy. Action is fast and lethal.



In combat shooting, officers are taught to use any cover and any gun support that is handy.

but also on judgment. One organization was reported to use a life-size picture of John Dillinger as one of its "shoot in a hurry" targets. It may have been very realistic, but some of its value was lost since Dillinger was then long dead.

The Louisiana Peace Officers Association and others in the South shoot the Bancroft Quickdraw Course fired at 15 feet on life-sized silhouette targets. At the various stages the shooter may face the target, face away from it and turn to shoot, walk toward it or away from it, walk from left to right or right to left in front of it, may fire five shots on one target from one hand, two from one hand and three from the other, three shots on one target and two on another, or one shot on each of five separate targets.

Accuracy sufficient to score hits in the kill zone of a silhouette target determines 60 per cent of the score. The other 40 per cent comes from "time credit." (Continued on page 45)

EXPERT STOCKMAKERS are a law unto themselves. Most of them have been in the business for quite a few years, were apprentices to some of the great names in the stockmaking field. But when a 16 year old makes high-class stocks, I consider this as news. And when it turns out that this youngster is self-taught and lacks a good many tools the professional thinks he could not do without, then I can only admire, envy, and wonder at him. You see, I am one of those guys who invariably louses up a stock.

Robert Kenneth Bell got his first rifle, a Mossberg .22 single-shot when he was 13 years old. He promptly took the gun apart, re-did the stock and eventually changed the gun into an eight shot repeater. Did he have help with this project? No, neither Ken's father nor any of his friends are

gunsmithing bugs, and the boy learned everything he knows from his constant reading and re-reading of the firearms literature. Ken and his father have a hobby wood-working shop in the basement of their Maryland home, but the special tools that Ken needed for his first stocking jobs were "home-spun."

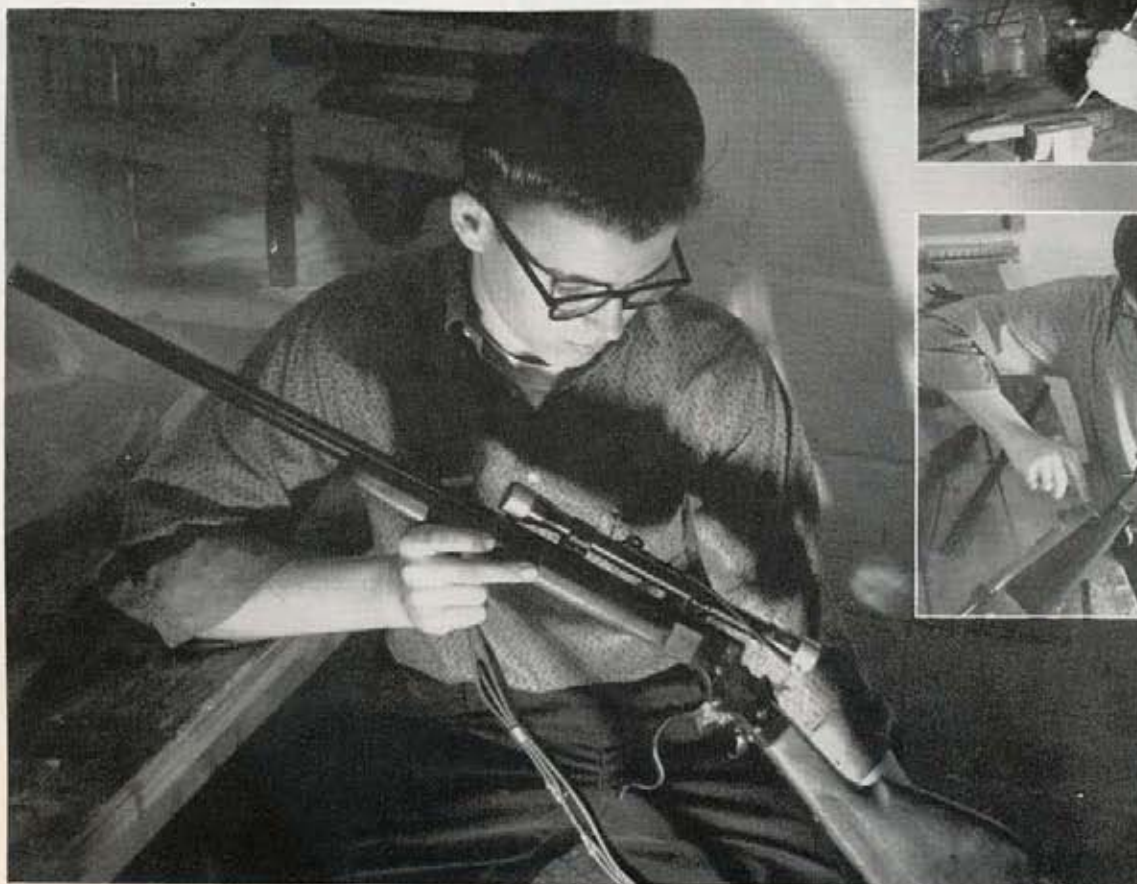
Using the available equipment, Ken made his own inletting rasps and other tools, and began to expand the family hobby shop. He bought tools and supplies with his earnings from his paper route and an usher's job in the local movie. He later built his own bluing set-up, taught himself silver-soldering and brazing, and gradually learned the established method of tackling a job the hard way — by trial and error. Once in a (Continued on page 65)

TEEN-AGER BUILT A STOCKING AND REPAIR

BUSINESS STARTING WITH TOOLS HE MADE HIMSELF

By JASON CONNORS

BOY STOCKER



Ken Bell, youthful stocker, contemplates his favorite gun, a Number 414 Steven with a Weaver scope. Stock was one of Ken's early jobs and this stock design is still one of his favorites.

It's a *Remington* !



XP-100 is bolt-action, single-shot pistol with plastic grips, suitable for left or right-handed shooting. The .221 "Fire Ball" cartridge has exceptional varminting ballistics.

NEW GUN, NEW LOAD FOR THE GROWING GROUP OF HANDGUN VARMINTERS

By E. B. MANN

WE TOLD YOU in our March issue about the Remington seminar, where we shot the new, reduced-recoil, Remington M-1100 shotgun. What we couldn't tell you then, but can now, is that Remington is back (after how long an absence!) in the handgun business!

And what a handgun! Whether that can be taken as an expletive of awe-struck admiration or one of sheer surprise at the gun's unorthodox design will depend on what happens next week-end when we start putting the Model XP-100 through its shooting paces. There's one on its way to us now—we already have a supply of the (also entirely new) .221 Remington "Fire Ball" cartridges—and if the two perform together the way the Remington boys say they will, and the way they do on the ballistics chart, the anticipated and quite fitting comment will be a fervent "Wow!" GUNS will

publish test reports on gun and load as early as the first-available printer's deadline.

Meanwhile, here's what Remington says about them:

"In recent years, an increasing number of shooters have become interested in long-range varmint and small-game hunting with handguns. New cartridges with jacketed bullets, high velocities, and flat trajectories have been introduced specifically for this type of shooting and telescopic sights have been developed especially for handguns.

"While these improvements have been enthusiastically welcomed, they also created problems. The optics of the scopes and the ballistic capabilities of the cartridges were good, but because of inherent characteristics in the designs of conventional handguns, few shooters could hold well enough to take maximum advantage of the im-

proved scopes and ammunition at long ranges.

"Recognizing this problem, Remington has designed a new, highly accurate handgun-and-cartridge combination which, because it has down-range ballistics comparable to many rifle-cartridge combinations, outshoots and outperforms any other on the market.

"The new gun, a bolt action, single shot model known as the XP-100, is chambered to handle the .221 Remington "Fire Ball" cartridge. The grip and stock of the gun are made with one piece of molded Du Pont "Zytel" structural nylon. Because this material maintains its dimensional stability under all conditions—it cannot warp or change shape—barrel bedding is absolutely uniform, insuring greater accuracy. The grip is contoured to fit the shooter's hand, and is equally adapted to either right- or left-handed use. (Continued on page 54)

SINCE 1955, GUNS Magazine has had exactly one aim, one goal, one reason for being: to promote more enjoyment by more people in more shooting. Shooting is fun. The more you know about it, the more you can enjoy it. THE SHOOTERS CLUB OF AMERICA is another GUNS effort to provide you greater enjoyment of what we believe to be the finest participation-sport in the world.

This has been our aim from the beginning. Now we can do more. Now we can give you answers, personal and in print, to your questions about guns and how to increase your skill with them and your enjoyment of them. We can give you periodical special bulletins, in addition to the reports in the magazine, about new products, new developments, new solutions for new (or old) problems. We can give you a symbol, one for your shooting coat, one for your car, that will tell the world, "I am a shooter—and proud of it!" We can give you access (through questions to our experts) to the firearms libraries of the world—and actual ownership, at reduced cost, of the best books in print of firearms and hunting subjects. All this, of course, in addition to twelve issues of the magazine that has long been acclaimed as the "Finest In The Firearms Field" and which will be better in the future, with articles by the best of the gun experts on how to shoot, how to hunt, where to hunt what, with what guns—articles on gun history, gun development, gun collecting—articles on target marksmanship with shotgun, rifle, and handgun; articles on hand-loading and ballistics—the broadest coverage of gun interest offered by any magazine in the world.

And we can give you the strength of numbers.

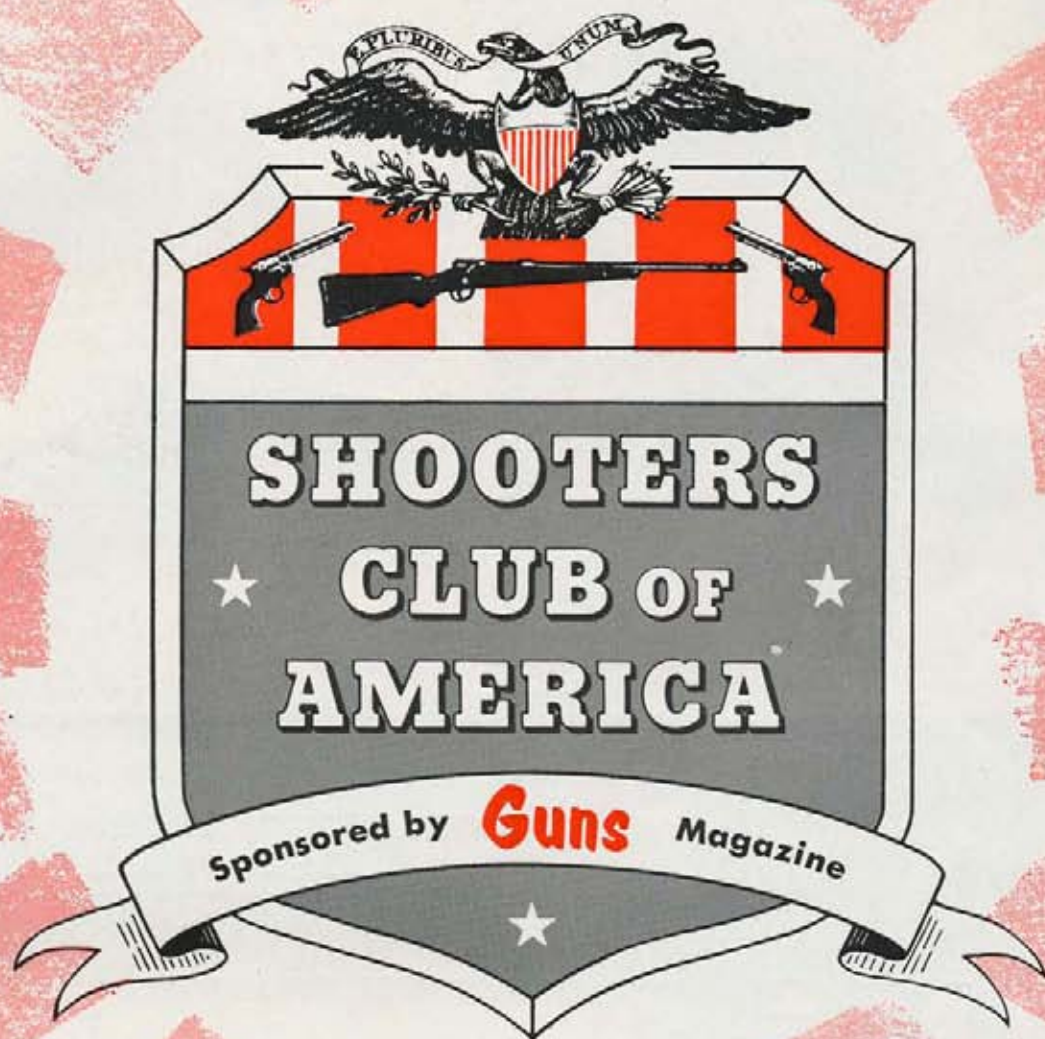
This is what THE SHOOTERS CLUB OF AMERICA is—a new, strong force, not to supplant or compete with existing forces but to join with and strengthen all the forces that exist for the promotion of more shooting, greater shooting enjoyment, and a better climate in which to shoot.

The most dramatic arena in which all shooters and all shooters' organizations must act is the war against anti-gun legislation. We are in that fight. GUNS Magazine, in collaboration with the National Rifle Association and other shooters' organizations, has been fighting anti-gun legislation with money, with editorial leadership, and with all the influence at our command since 1955 (and some of us for much, much longer than that!) We are not novice in this field, and we have not been ineffective. For some years, we gave you in our "Know Your Lawmakers" department, first-hand reports on how your lawmakers feel about guns and shooting and gun legislation. With a new crop of legislators to examine, we will do this again.

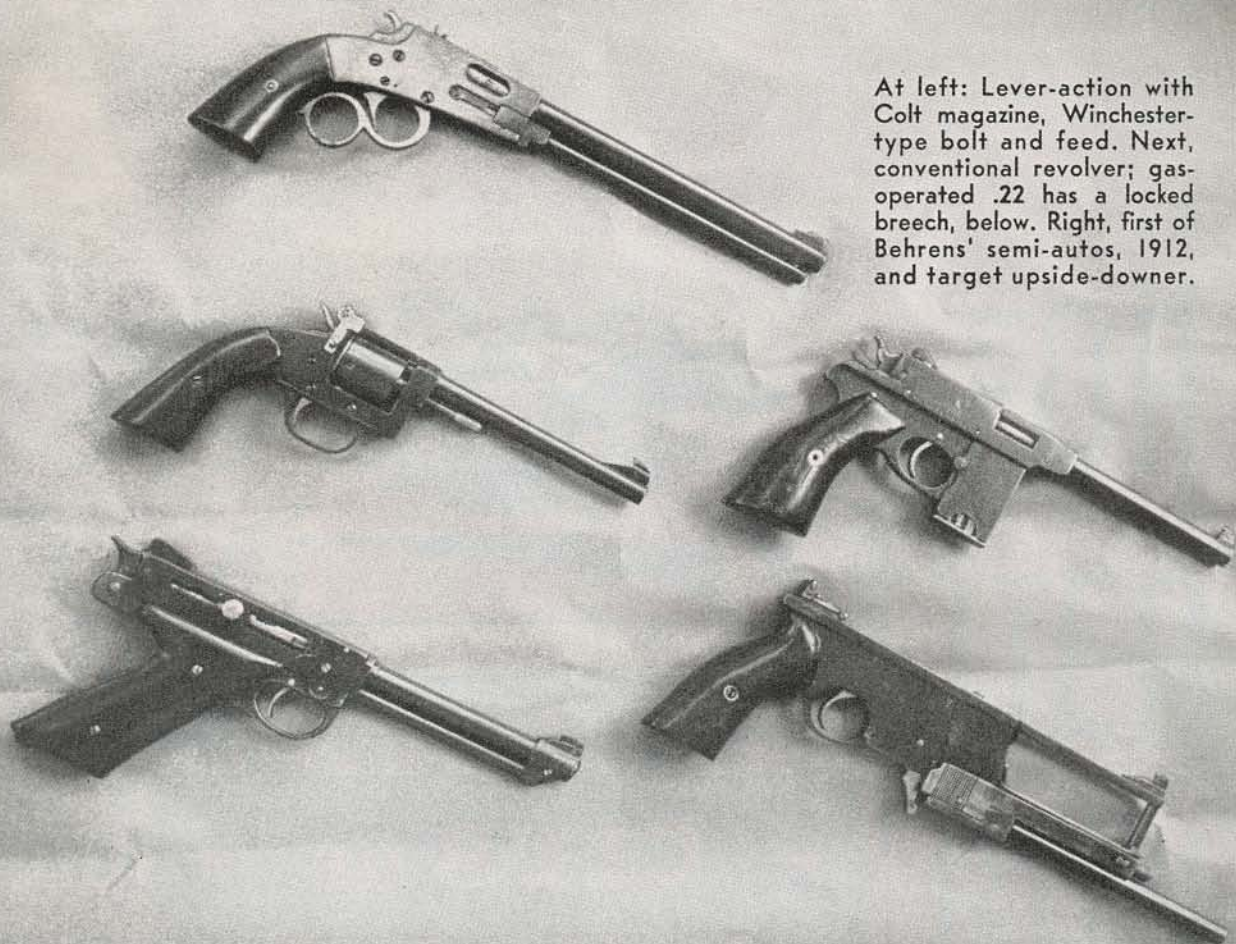
A second and only marginally (*Continued on page 58*)

FOR BETTER GUN SPORT





Its aims: to promote more fun for more people in more shooting; to build a better "climate" in which to enjoy the finest family of participation sports in the world; to help you shoot and hunt better . . . and to defend your right to keep and use your guns, for sport, and for defense

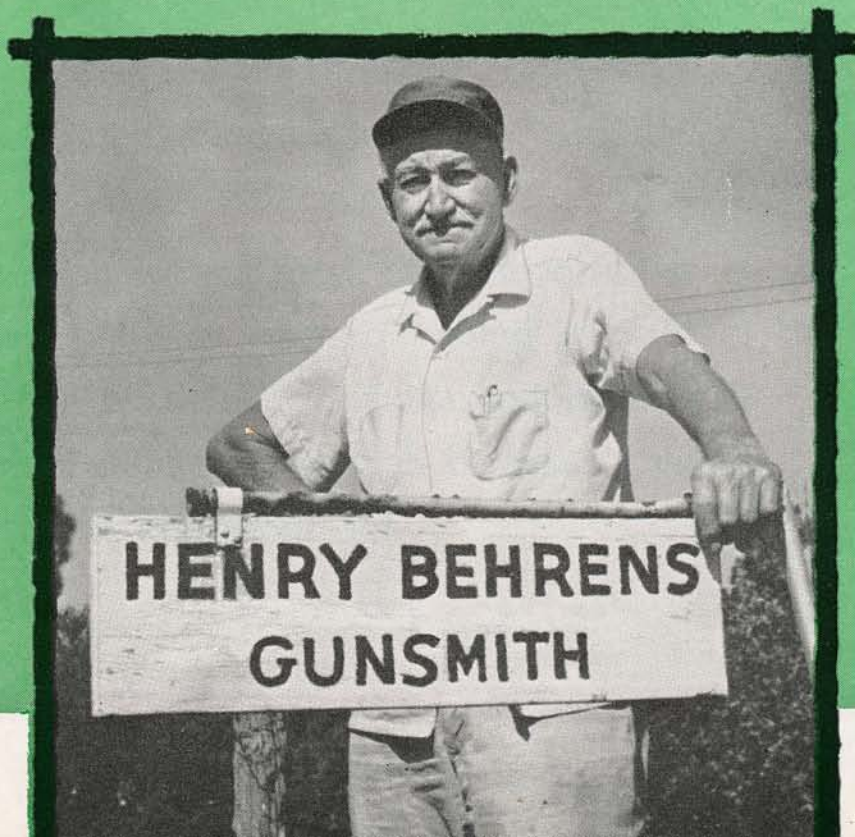


At left: Lever-action with Colt magazine, Winchester-type bolt and feed. Next, conventional revolver; gas-operated .22 has a locked breech, below. Right, first of Behrens' semi-autos, 1912, and target upside-downer.

UPSIDE-DOWN PISTOLS? HE MADE 'EM BEFORE
THE RUSSIANS USED THEM IN THE OLYMPICS!

GUNS

and the GOOD LIFE





Two, still-in-the-white, Behrens-designed .22 guns. Stocks and triggers differ, and button trigger on right was a tricky gunsmithing job.

You name it, and Behrens can make it. In the usual order: two heavy barrel target .22's, double hammer .22, a .22-.45 Colt over and under, a .22 over and under, a .22 revolver with single shot .38 barrel, tiny .22 over and under. All guns have fully adjustable sights.

By KEN WARNER

HENRY BEHRENS of Sarasota, Florida, is a gunsmith of the old school—the kind who can take a length of bar steel and a slab of walnut and build you a gun. He doesn't need power tools; he doesn't need blueprints or "something to copy," either. All he needs is an idea, and he has plenty of those. He built "upside-down" automatic pistols years before the Russians beat us with their version of them in the 1952 Olympics. Henry, any way you slice him, is a gun genius.

You name it and Henry can make it. If it's a type or action that has a name, he probably has made it. He made gas-operated rifles before the word "Garand" (as applied to a rifle) was even whispered. Any action, any ignition system—Henry will build it, with any odd-ball characteristics you care to specify, or with innovations of his own if you give him permission. What you get will be a fine firearm, precision tooled, fitted, and finished. Henry builds "odd-balls," for his own amusement or because you want them, but he doesn't build clunkers.

Today, Henry can show you 94 Behrens-built guns to prove his versatility and skill. No one is like any other; some are unlike any other gun ever built. They all shoot, all function perfectly, are all as accurate as they need to be for the purpose for which they were intended. Some are truly odd-balls (Henry's own word for them), and some are so sensible one wonders why they never became mass-production items.

In the odd-ball category are such items as a



Above, a conventional single shot with low barrel. Upside-down single was forerunner of his automatic upside-down gun that was successful 4 years before Russians used design.



Three long guns by Florida gunsmith include a completely hand-made Kentucky, falling block .22, and a Schuetzen rifle on Stevens action.



Made to order for trappers, outdoorsmen, gun on left is .22 revolver with .38 barrel, other is chambered for .22 and the .45 Colt cartridge.



In usual order: Swinging barrel .38; tip-down .32; swinging breech .45; and tiny .22. Biggest gun is smaller than pack of cigarettes.

harmonica-action .22 handgun, and a peculiar single-shot that requires 12 distinct actions to load, fire, and eject the fired case. On the sensible side, there is an over-under .45/.22 pistol that is a trapper's dream, a series of palm-sized "hide-outs" in calibers from .22 to .45, and a couple of dozen good, shootable, single-shot target pistols.

Henry has an almost impartial affection for every one of these Behrens-babies, be it long or short, conventional or screwy, big or little. They are guns, but they are also blued-steel-and-polished-walnut milestones along Behrens' quest for gun facts. Throughout life, Henry Behrens has answered his own questions about guns and gun ideas by building a gun to see how it worked.

He discovered a lot of things, often much earlier than other gun people did. And this brings us back to the Russian upside-down pistols. Henry has a set of three peculiar .22 target pistols that tell an interesting story:

In 1946, Behrens built a single-shot pistol with a very low barrel. Otherwise a fairly conventional tip-down barrel action, this one has a dip in the frame that puts the barrel in line with the top of the shooter's hand. The gun points well, and its recoil barely jumps the sights off target. Behrens says, "You can really call them with that gun." This is high praise, for Henry is a superb shot and a demanding critic of firearm accuracy.

Intrigued by this one, Behrens built another single-shot, except that this one was upside-down. The sights are on a rib in the normal position, on a sort of false barrel. This one shot well, too, and recoil was nearly nonexistent.

The third gun in the series is a semi-automatic, also upside-down. It has the five-shot magazine capacity required for International and NRA rapid-fire matches. When he fired the first string with this odd-ball, Henry Behrens knew he had something. Again, recoil was hardly noticeable. With the barrel in line with the middle finger, the gun just hangs on the target.

That satisfied Henry Behrens. He had found out what he wanted to know, including the fact that anyone who shot an upside-down pistol had to guard against canting. With the line of sight and the bore-line a couple of inches apart, the least off-vertical inclination would ruin the grouping.

That particular experiment was finished in 1948. In 1952, at Melbourne, Australia, the Russians (Continued on page 43)

**A REAL COLLECTOR'S FIND, PERRIN GUNS
WERE MADE IN FRANCE, USED BY UNION TROOPS**



REUNITED— 100 Years Later

By GRAHAM BURNSIDE

This consecutively numbered pair of rare Perrin Civil War revolvers in near-mint condition carries numbers 421 and 422. Guns are from Robert B. Tennant, Colorado, collection.

AMONG THE RAREST of the Civil War revolvers are the guns made by L. Perrin of Paris, France. These revolvers are so scarce that many Civil War buffs are not familiar with them.

Records show that the U. S. Government bought 200 Perrin revolvers for use by Union troops during the Civil War, and it seems likely that this figure is only a partial one. Other records indicate that over 500 of them were purchased privately—again for Union consumption.

It is doubtful that the martial Perrin revolvers were marked in any way to denote government ownership. Of the several that I have handled and the many more of which I have record, none bears any marks that would indicate U. S. martial status. Actually this is understandable. The Perrin revolvers were a commercial French product. They were not manufactured under a U. S. Government contract. In the middle of a war it is often expedient to buy what is needed without the delay of field trials and tests, and thus materiel could easily get into the hands of the troops without added markings.

The government paid 20 dollars for each Perrin revolver. If you happen to find a specimen, you should be very happy to pay that much—even if the gun is not in new condition—because collectors who know the rarity of the gun will be happy to give you many times that figure.

It would seem that something worthwhile would be known about L. Perrin. But he is not even listed in the standard texts on European arms makers. From the markings on the guns it is apparent that there was a company by that name located in Paris and (Continued on page 50)



Two variations of the 12 mm center-fire Perrin cartridge. The one on the left is commoner specimen, has copper base but no headstamp. Round on right has brass case, has headstamp "PERRIN-BTE S.G.D.G. PARIS."



THIS 18-YEAR OLD HOLDS
18 WORLD SKEET TITLES, A COLLEGE
SCHOLARSHIP, AND TEACHES —
GUESS WHAT — IN HIS SPARE TIME

By DICK MILLER

His Guns Are Taking



Howard's President Wright admires shotgun and trophies won by Miner Cliett in the course of becoming skeet champ.

IF YOUR SON is not seven feet tall, does not weigh 250 pounds, can't run 100 yards in less than 10 seconds with football pads, or is not a budding nuclear physicist, don't despair of his chances for a college scholarship. Put a shotgun in his hands, and let him shoot his way into the halls of higher learning!

Shooting scholarships may shock a few sensitive souls in the Ivy League, or it may amuse some Big Ten admissions directors, but down Dixie way, Howard College freshman Miner Cliett literally shot his way to the beautiful Baptist college campus in the Shades Valley section of Birmingham. Howard College has a long and distinguished record, dating back to 1842. The college now can, and does, boast that it has admitted the only 18-year old freshman who holds 18 of the world's skeet shooting records!

Him To College

And few freshmen can enter the hallowed halls of learning and be tabbed as instructor.

The "Howard Crimson," in a feature story about the school's most distinguished freshman, happily reported:

"Miner Cliett, freshman from Childersburg, bearing five world's records (see explanation below) will teach a class in shooting for the college on Saturdays, as part of the college's recreational program. A non-credit course, the class will be open to the students, faculty, and the community."

The Crimson editor modestly listed only Cliett's world records set during world competitions. The record books list 13 more records established during seasonal competitions.

Miner Cliett began shooting at the tender age of four, but not without some strain on family and neighborhood relations.

Four-year old Miner potted five of a neighbor's chickens with his trusty little BB gun. Results of the shooting were fatal for four of the birds, and the fifth hen had a long bout with lead poisoning. Some of the remedies applied for this episode might have been tempered had it been known then that this was the start of one of the world's most distinguished shooting careers.

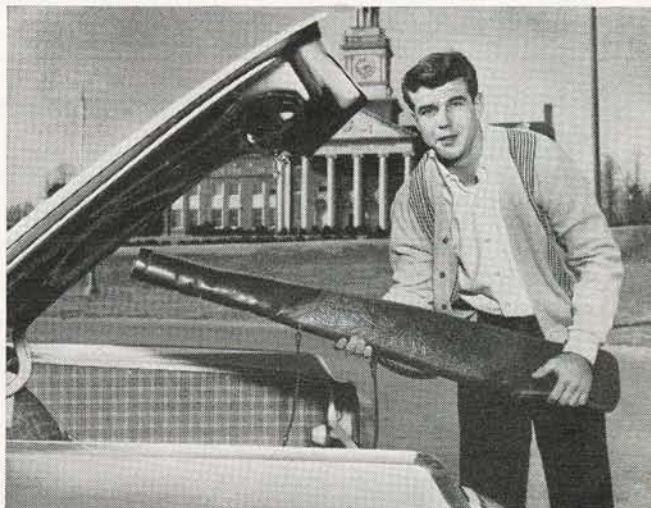
Miner's skeet shooting career started at age eleven, when a member of the near-by Birmingham gun club saw the youngster make tough shots on dove and quail. He told Miner that he should try his hand at busting clay targets. Try he did, and cracking clay targets came easy. So easy in fact, that in 1957, at the tender age of 13, Miner Cliett was Champion of Champions at the National Skeet Shooting Championships, an event limited to state and regional champions. He broke 100 straight targets, 25 of each of the four gauges, .410 Short Shell, 28 gauge or 3-inch .410, 20 gauge, and 12 gauge. He was the youngest shooter ever to win this coveted award!

It would take a great deal of the space to list all the shooting awards that came after this one. Although the Cliett home in Childersburg is large and charming, it is getting more and more crowded with trophies—there are over 200 already!

The Cliett shooting story must mention these highlights of the 18-year old high scorer: Try-outs for the International Shooting championships at Oslo, Norway in 1961, held at Ft. Benning, Georgia; long run of 634 targets without a miss; and a gold medal for tying the Russian entry at the International event in Oslo, plus besting the top skeet shooters (Continued on page 55)



Miner enjoys quail hunting and he retained a few of his dogs while at school. Before becoming skeet champ, he posed with sister Emmy.



Miner Cliett, college freshman and instructor, was caught loading his car for another shoot.



Ye Old Hunter is all heart!

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

AMERICA'S GREATEST



Cal. 7MM

MEXICO CRACKED AGAIN!

ONLY
\$24.95!



M98 MEXICAN MAUSERS!

Another grand supply of the "across the border" (from under the nose of the Mexican Mausers in the ever-popular TMM caliber). Not the old M93 models but genuine small ring M98's which rock on the up-stroke and have all milled parts. Remember the last lot at a bargain \$27.95? Time now to forget that bargain—sell yours at a profit—and cash in on this ultra super bargain special at only \$24.95—NOW! The superb action alone a bargain at this price! All in GOOD condition!

SELECT FAVORITES



Cal. .30-06

Low numbers

ONLY

\$29.95!

U. S. SPRINGFIELD!
IN STOCK! All in very good or better condition! The greatest of them all, the INCOMPARABLE Springfield at the lowest price ever for low numbers. These are NOT the crude, makeshift assembled lots advertised by others; these are NOT the left-overs rotting in steaming South American jungles, but original Springfields in the finest condition ever. HIGH NUMBERS only \$39.95. HIGH NUMBERS WITH TARGET TYPE C STOCK \$42.95! New web slings \$50c. .30-06 ammo \$6.00 per 100!



Cal. .30-06

ONLY

\$29.95!

U. S. ARMY MODEL 1917!
All milled parts—fresh from government cases. All G. V. G. or better. A few Excellent only \$35.00 additional. New Leather Slings \$1.95—used \$0.90. Genuine M 1917 Bayonets only \$1.75. Order yours today. If you prefer Remington or Winchester manufacture, a limited number \$3.00 more.



Cal. .303

ONLY

\$14.95!

ENFIELD NO. 1 MK III!
The incredible No. 1 MK III Enfield—pride of the British army—now in the well protected Irish version right down to the sparsely lined magazine. Used as late as 1930 in Korea and still in Empire use—BUT NOT THESE—NOT THE "HIND SHAMMOCK MODEL". While the OTHERS have fought their way to glory which is YOURS today. All in good or much better condition. MOST very good or much better only \$13.00 more. You'll never find THIS superb model in THIS condition again at THIS price, so throw your other rifles away TODAY and look in the glow of a certified certificate included) SHAMMOCK Enfield. Bayonets WITH scabbards only \$1.75 w/rifle.



Cal. .303

ONLY

\$18.95!

ROYAL ENFIELD No. 4 SERVICE RIFLE!
NEW SHIPMENT of unlimited quantities of the superb Royal Enfield No. 4 Service Rifle—pride of the British Empire—used in front line service as late as Korea—many still in use. Strictly a NEW lot, all carefully inspected and cleaned prior to shipment—NOT the over-worn grease covered leftovers as available previously. Perhaps your last chance to own a genuine Royal Enfield "the finest rifle in the world". All in good or better condition and a few VERY GOOD only \$3.00 more. Prong Bayonets only \$1.00 when ordered with rifle. The very finest of the very finest! Don't delay!



Cal. .303

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CUSTOM ROYAL ENFIELD M60 SPORTER!
The final solution to all your shooting desires. A REAL professional conversion of the light-weight No. 1 MK III porters—turned by the world-famous Cogswell & Harrison gun-makers of London. The rifle that has all gunners talking—a real eyecatcher at any gun show. Completely refinished and polished with superb front sight, superior sights and sporter type black forearm tip. A symbol of status devoid of rakish snobbery. The best dollar for dollar buy ANYWHERE. Insist only on a Cogswell & Harrison conversion—the marvel of our age! Way pay more! Place your order now!



Cal. 7.5 Swiss

ONLY

\$13.95!

MODEL 1911 SWISS RIFLES!
THE RIFLE OF THE MONTH! Gigantic NEW shipment of the superb Swiss Model 1911—Switzerland's finest—not to be confused with the old Model 1890 advertised elsewhere—above all, not to be confused with the un-standard, cumbersome, inaccurate short version (a Ye Old Hunter reject) which others may have the gall to offer. Insist only on a genuine 1911 Swiss—the rifle that insured Swiss neutrality. (Original bayonets only \$1.95!) NEW 7.5 Swiss Soft Point ammo only \$4.45 per 20.



Cal. 7.62 Russian

NOW ONLY

\$34.95!

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

FAMED



PERSIAN M98 MAUSER CARBINES!

Cal. 8MM

MAUSER

WHAT A FIND!
The ultimate, ultimate Mauser 98 Carbine at an unprecedented low price. The strongest, yet trimmest carbine ever available—manufactured in the most modern equipment in Iran with Swedish technical supervision. In top shooting shape and in good or better condition. Complete with PERMANENT SCREW LOCK, GUN CREST and BARETT. SOME BRAND NEW FACTORY CONDITION ONLY \$5.00 ADDITIONAL. AN INCREDIBLE OPPORTUNITY with scabbards \$3.95!

ONLY
\$34.95!



M98 PARAGUAYAN MAUSERS!

Cal. 8MM

MAUSER

Another in the Ye Old Hunter Series of Famed Mausers. From Paraguay—the great Mauser 98 Model 1927, sporting the unique styling rare Paraguayan Receiver Crest and in the popular 8MM caliber. All in superbly good or better condition... a collector's dream in SHOOTING condition and at a BARGAIN price. Some in select, very good condition only \$5.00 additional. Another exotic Mauser frontier penetrated to our less pioneering competitors. Under 19,000 left in stock. Rush your order today and be sure to include a genuine M98 Bayonet with scabbard at only \$2.95 today!

ONLY
\$29.95!



M98 7MM MAUSERS!

Cal. 7MM

MAUSER

Heralded World War I Model 98 Mauser of famous manufacturers such as Krumpholtz, Amberg, etc. Special TMM barrels for special use make these a unique addition to any collection and top rate for most North American game. This special shipment from a special country has Ye Old Hunter's competitors absolutely awestruck with their rapid rise to failure to solve September's cryptogram in time. Plenty of TMM target ammunition in stock at only \$6.00 per 100 rounds. Original M98 Mauser bayonets with scabbards \$3.95!

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\$24.95!

PRIME PISTOLS

BROWNING .32 AUTOMATIC

Cal. .32 ACP

The finest of the fine—the best for '63! Think of it... the superb, unequalled Browning .32 Automatic in the latest (M22) model—mfg. by Fabrique Nationale d'Armes de Guerre, Liege, Belgium. BROWNING—the greatest name in automatic pistols—design and production excellence at its best! Give those cheap, fake, crude Iberian market dumping imitations a well deserved sniveling snuff-puff those inflated prices the horse laugh of the century! All in the popular .32 Auto caliber and in very good condition at only \$26.95. Some excellent \$3.00 additional. Has the improved extra capacity 9 round magazine, the greatest magazine capacity of any .32 ACP pistol! Insist only on the finest—make yours a BROWNING! Extra magazines \$3.95, original cleaning rods \$3.50. Be sure to order now!

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NOW! Famed Smith & Wesson 1917 .45 ACP Revolver. Good or better condition only \$24.95. Very good condition only \$30.00 additional. (Why pay more elsewhere?) Halfmoon clips only for scabbard.

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COLT 1917 .45 ACP REVOLVER!



Another SELECT supply of the devastating Colt Model 1917 .45 ACP Revolver. Not battle-worn surplus leftovers, but strictly select models with practically no wear. All good or better only \$24.95—a few absolutely excellent only \$5.00 more. Price includes two half-moon clips.

ONLY
\$24.95!

M.A.B. MODEL 62



Superb NEW French production M.A.B. 22 Caliber Automatic pistol. Modern design combines tested dependability with the most attractive for dangle pocket on the market today. weight, fast handling accuracy. Strikingly new, complete with original and official French instruction certificate included.



Col. .38 S&W
The handgun bargain of all time. Genuine, ordnance issue, time-treated, Enfield Comandante is at least 100 years old. Bill gun—or even. Carried in World War I. The illustrations, the Comandante, no dog in the ring. Double action. Chambered for the standard .38 S&W.

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A ONCE-IN-A-LIFETIME RARITY!

Cal. 7.62 Russian



M1938 RUSSIAN CARBINES

Still another exciting Western purchase of Eastern exotics—the one and only M1938 Russian Carbine. One of the very last models of the standard Mosin bolt action series. A true Carbine with 20" barrel. Worth double on the collector market in any condition, but yours complete and in good shooting condition. Nikita still trembles with rage at the thought of Stalin losing these—the very issue that triggered the anti-Stalinist line. All in GOOD condition with bores in VERY GOOD condition! A Ye Old Hunter Special!

ONLY \$1995!



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MAUSERS

M95 (A) MAUSER RIFLES!

Cal. 7MM



One of the most extensive Mausers ever made. Manufactured in Germany during the period when craftsmanship was at its peak. The special model with the late turned down bolt handle and the smoothest of the smooth. Special for you with Mauser only on the fine conventional M95 with all the great conventional features, and in good or better condition. Used since 30c and NEW German Bayonets with scabbards \$1.05! The perfect rifle to easily sportize!

ONLY \$2295!

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Cal. 7.65MM



The LOW price barrier broken at last. The absolute finest ever in workmanship and on a Mauser to boot. This really must be seen to be appreciated—ask the man who owns one! NOW at this reduced price, it is the rifle of all time without exception. All in VERY GOOD or better condition. Some absolutely EXCELLENT or BETTER. cost only \$4.00 additional. Plenty of 7.65MM military ammunition in stock only \$0.60 per 100 and soft point only \$0.45 per 20 rounds. NEW Bayonets with scabbards \$1.05!

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M91 MAUSER MANNLICHER CARBINES!

Cal. 7.65MM



A genuine MAUSER professionally converted to a MANNLICHER type SPORT-RIFLE. The sleek, trim, fast-handling hunting rifle everyone's been longing for these past long years—available now FOR THE FIRST TIME. At price so LOW that even Feraland Rifter will howl! The finest craftsmanship ever WITHOUT QUALIFICATION and all in VERY GOOD or BETTER CONDITION. It must be SEEN to be appreciated! A few absolutely excellent only \$4.00 more. COMPARE with today's high-priced sporters and you'll have your order NOW. ALWAYS INSIST on a GENUINE MADE MAUSER MANNLICHER carbine for the finest!

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PISTOL SPECIALS

GI AUTOMATIC!



ONLY \$3495!

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The famous M.A.B. Le Chasseur .22 Caliber Target Pistol at a price that permits EVERYONE to take up target shooting. Target design with thumb rest and target type adjustable sights. Factory NEW with official French registration certificate. Limited supply of the target model so order yours soonest today!

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SMITH & WESSON .38 SPECIALS!



The ultimate in handgun is the S&W ONE-PIECE price Genuine Smith & Wesson. Revolvers completely redesigned and converted exclusively by the famous London firm of Corbett & Harries. 3 1/2" barrel with racy yelp, and checked Walnut grips. Completely factory rebuilt.

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COMMANDO PISTOLS!



ONLY \$1495!

SWISS ARMY REVOLVER



Another fantastic Swiss import—manufactured where the watchword is ALWAYS precision. Absolutely superb craftsmanship and ALL with ALL matching numbers. Commercial quality. "Swiss" type. Front sight. Imagine. NRA Very Good condition and only \$14.95. Some excellent only \$30.00 more. New 1960 production 7.5 Swiss revolver ammunition only \$3.95 per full 40 rounds.

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GLISENTI REVOLVER!



GLISENTI REVOLVER Cal. 10.35MM

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

ONLY \$995!

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SPECIAL INCENTIVE SALE (Good This Month Only)

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Order all five of these delightful specimens depicted below at less than what others have charged for any TWO models. Order from all Not for shooting—the perfect decorative!



Cal. 7MM



The most unbelievable rifle offering ever! A genuine Mauser at a cost which could throw us all into bankruptcy. In complete condition just to please you decorative! After retreating, who would want to shoot this anyway? Strictly a racy "lookin' Mauser—NOT TO SHOOT, so your investment is guaranteed FOREVER! Best buy of the Twentieth Century!

ONLY \$995!

Cal. 7.62 Russian



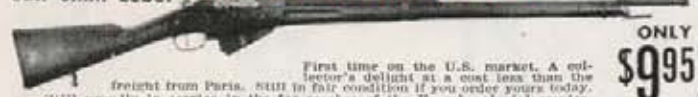
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Stupendous! The 1960 Olympic Biathlon Champion—the rifle that won places during the Winter Olympics at Squaw Valley. Be your local range champ—watch your associates throw away their over-priced, over-acquired "masterpieces". Enjoy the horse laugh of your life. Fair to good condition—some absolutely select only \$5.00 more! A prize Western purchase of Eastern exotics!

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FRENCH M1916 MANNLICHER!

Cal. 8MM Lebel



First time on the U.S. market. A collector's delight at a cost less than the freight from Paris. Still in fair condition if you order yours today. Still proudly in service in the far reaches of the French colonial empire.

ONLY \$995!

ITALIAN TERMI M91 MANNLICHER!

Cal. 6.5 Italian

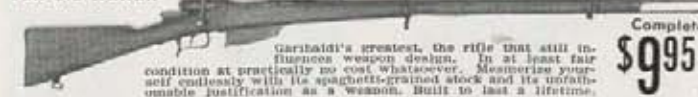


These rifles you see advertised elsewhere at exorbitant prices under different names! Why pay a cent more? Take advantage of this at least fair specimen at an "all heart" price! Not the absolute best Mannlicher but surely good as some of those OTHER Mannlichers!

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**LONG ACCEPTED IN OTHER PARTS OF THE WORLD, THE
VERSATILE SEVEN MM CALIBER IS NOW A GROWING AMERICAN FAVORITE**

By BOB HAGEL

TOWARD THE END of the last century, a new cartridge was born in Europe. Known as the 7 mm on the other side of the Atlantic, it handled a bullet of caliber .284. In talking about the 7 mm it would perhaps be best to talk about it in the plural since the 7 mm was made in several case forms, with the 7x57 rimless gaining by far the greatest popularity. The 7x57 rimless was used by many nations, in one or the other form of the Mauser action, as a military rifle and for a long time it was the favorite game cartridge in Europe, India, and Africa.

The rimless, and flanged 7 mm cartridge gained fame in Africa as a killer of even the heaviest game. Bell, in his

quest for ivory, is credited with killing over 1,000 elephants with the little 7x57 and the 175 gr. solids. While I have no desire to take one of the big pachyderms with the little 7, there is no doubt that it is sudden death to any elephant when used under ideal conditions by a man who has the ability and know-how to do it.

Why the 7 mm did not gain greater popularity for North American game by American hunters, is hard to say. At one time there were single-shot rifles chambered for the 7x57 by American riflemakers, and later bolt-action rifles like the Winchester M 54 were available in this caliber, but somehow the 7 mm cartridge never really caught the imag-

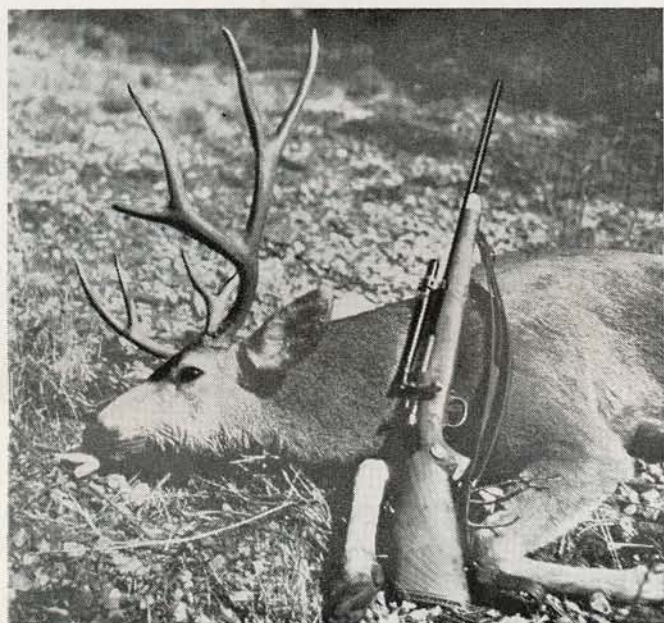
7mm *The Wicked SEVEN*



Favorite 7 mm handloads, usual order: 7x57 with 160 gr. Nosler S.P., .285 O.K.H. with 175 gr. Nosler O.P., .280 Rem. with 160gr. Sierra S.P., 7x61 S&H with 160gr. Nosler, 7 mm-264 and 160 gr. Sierra, Big 7 with 160 gr. Nosler.



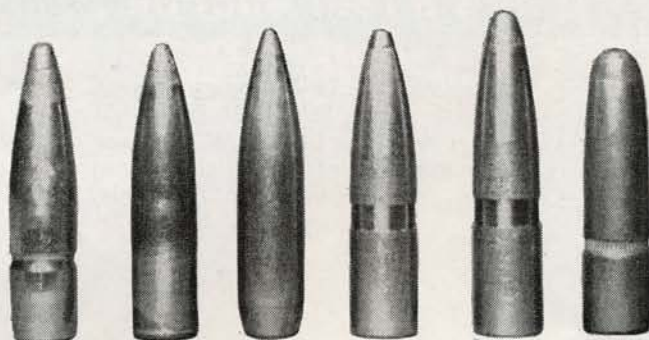
Author's record book bull moose that fell to 7 mm Mashburn Magnum and the 175 grain Nosler bullet. Bull taped 7 ft. hump to heel, and had 45" chest.



Light rifle built on small-ring 98 Mauser action and chambered for 7x57 is wicked on most American game if shot is placed right and heavier bullets are loaded.

ination of many thousands of U.S. shooters.

Maybe we Americans are a little slow to catch on, or perhaps we are somewhat reluctant to use something that we did not have a hand in designing. At any rate, it was only in the last few years that the 7 mm gained its well-deserved popularity. Even today, most of the rifles chambered for cartridges shooting 7 mm bullets are made by custom gunsmiths, and are chambered for various wildcat cartridges. Both of our big ammunition companies make



Some of Hagel's selections for the 7 mm: 154gr. Norma S.P.B.T., 160gr. Speer S.P., 160gr. Sierra S.P.B.T., 160gr. Nosler S.P., 175gr. Nosler S.P., and the 175gr. round nosed, soft point bullet from Remington factory.

Nosler bullets removed from game. The 160 grain bullet at left came from 400 yard kill of caribou. Right, the 175 grain bullet downed king-sized moose at 300 yards.



cartridges for the standard 7x57, but the loading of only the round-nose 175 gr. bullet to a velocity of 2490 frs. leaves a lot to be desired in an otherwise fine cartridge.

My own first 7 mm was a custom job by C. M. O'Neil with a 23" Ashurst tube on a light-ring Mauser action with double-set triggers. With the barrel cut to pipe-stem size and stocked to suit my own notions, the rifle, complete with scope and sling, weighs under eight pounds. This ultra-light rifle is chambered for the standard (*Continued on page 48*)



If he's a real whopper,

Fajen-stocked .264 Magnum with 6X Weaver scope, Schultz & Larsen 7x61 Magnum with a Leupold 6X glass are favorites. Ormond and McNeel drag buck that was outwitted by Clyde.



YOU HAVE TO OUT-SMART HIM!

By CLYDE ORMOND



Big buck ammo with ample horse-power: The .264 Magnum with 140 gr. bullet, 7 mm with a 139 gr. pill, .270 with 130 gr. bullet, .30-06 with a 180 grain slug, and 7x61 with 160 gr. bullet. These loads and calibers have taken many big ones.

THIRTY-FOUR YEARS ago, I killed my first mule deer—a buck of monstrous proportions and a total of 13 points. Last week, as this is written, I killed my last muley to date. He, too, was a big one, a nine pointer with a spread of 30 $\frac{1}{4}$ inches.

Between those two I have hunted deer in many states, collected at least one annual deer, and got a liberal education in the art of deer-hunting. I learned much from that first buck. I learned something brand-new from the last one. And it has been from the biggest bucks that I learned the most.

Record muley bucks do not attain their desirability by being stupid. This is especially true today when bucks of prime-trophy age have survived elements, hunters, predation, disease, and the meager diet of dwindling winter ranges to reach a trophy stage. It follows that the smartest bucks are, generally speaking, the biggest bucks. And it also follows that the hunter who hunts, observes, and outwits these old moss-backs, is bound to become the successful hunter of all lesser game.

There is no lesson quite like the successful, or unsuccessful field experience if the hunter will take the pains to learn from it.

Take that first buck, many years ago.

Burn and I were hunting the Yellow Jacket country of central Idaho. The first day we saw no game because, like tyros, we hunted the canyon bottoms. There were tracks, but they were made by game coming down during the night to drink.

The next morning, we headed up and went up till there was no more up. We started from camp long before daylight.

Two hours later, largely because the strenuous effort had exhausted us both, we were moving slowly. Very slowly. The 13 pointer was spotted standing in the mottled shadows of pine trees, half-asleep, convinced that nothing could get that high that early in the morning, and he was

also depending on the camouflage of the foliage.

The first bullet from my ancient .25-35 made him jump violently and jerk his legs under his broad chest. The second shot, as he romped away, did not seem to touch him. As he loped over the ridge, there was the sudden sight of heels in the air. We found that the first 117 grain soft-nose had pierced his heart. The second shot caught him "fatally" in the sticking-spot, as he'd whirled toward me.

Lesson Number One on big bucks was unforgettable: Heart-shot bucks didn't necessarily fall in their tracks. Bucks that didn't *look* hit, may be. Big bucks liked to stay high. And one man—as I discovered later—didn't pick up such a beast and tote him camp-ward *a la* horse-collar.

My wife's first buck added to a growing education. We'd trailed him cautiously for a mile in the fresh snow. We were so close that we could see blades of bear-grass slowly unbending after his passing weight. (Continued on page 40)

you can bet that he didn't get that way by being stupid!



This smart muley bedded down where he had a clear view in all directions; but a fine shot from a fine rifle got him.

RIFLEMAN, MK I

By JAMES M. TRIGGS



NOTE - BUTTPLATE AND MISC. PARTS ARE NOT SHOWN....

PARTS LIST

1. Main frame Assembly
2. Head Assembly, Factory Installed (Disassembly not recommended). (Note: Thin top insulation on pre-war models.)
3. Trigger Finger Assembly, Twitching.
4. Elbow Assembly, left, with permanent dislocation.
5. Ballast (Most pronounced in older models).
6. Carfare (42c).
7. Wallet, unloaded.
8. Shooting Jacket for Mainframe Assembly, frayed.
9. Miscellaneous patches, emblems, status symbols.
10. Copy of Rule Book, dog-eared.

11. 1/2 gallon Courage (For after-match use only, of course).
12. Tompion for No. 11.
13. Shooting glasses, rose colored.
14. Wife Assembly, MK II. Not essential for shooting but recommended accessory for part No. 1. (Note built-in radar, all models).
15. Cover for Part No. 2 (Not allowed in house; must be hung in garage).
16. Arm, left, with permanent sling groove.
17. Ear plugs, both sides (use in competition and self-defense against No. 14).
18. Bags, left and right, (Under eye assemblies, occasioned by use of No. 11 after last match).

19. Miscellaneous Impedimentia, necessary for psychological support only.
20. Portable hand-warmer.
21. Heels, left and right, run down (See No. 7).
22. Elbow Assembly, right, hand (Up-raised for support of rifle and No. 11).
23. Notebook (Filled with wishful thoughts and prepared alibis).
24. Sleeve (for laughing up or, crying on, depending on score).
25. Rifle (Not shown because of variations dependent on contents of No. 2 and No. 23).
26. Box of goodies (Contains more of No. 19)
27. Targets from last match (Better not shown).
28. Eyeball Assemblies, right and left, color red (see No. 11).

DISASSEMBLY PROCEDURE

While it is doubtful that the Rifleman can be successfully disassembled by the amateur, although Part No. 2 can be flipped quite easily. Before attempting field stripping, be sure Part 14 is removed, and be particularly sure the Rifleman is unloaded.

Disassembly is a messy business at best, and re-assembly is virtually impossible, especially in reverse order. Disassembly sometimes occurs automatically after matches; in which case, re-assembly should not be attempted until after lunch the following day.

Not shown in the drawing are numerous scars. In some of the older models, these were acquired at Chateau Thierry or Verdun. Later models show the marks of Guadalcanal and Omaha Beach. A number of newer models show similar markings from Chosin and other Korean addresses. It is to be hoped that present models will be produced without such scars or markings.

And while we may poke a little fun at our Rifleman, with his thinning top insulation and ballast, he is the man who won our freedom and started our Nation on its way. And he is the man who has kept it free. God Bless him.

(Continued from page 39)

Then, on a nearly bare hill-side, we stopped twelve feet from a scrubby pine tree, looking at his spoor plainly headed a quarter-mile ahead over the snowy hills. Straight ahead of us.

But as we talked, debating on how many more hills ahead the big fellow was, there came from the opposite side of the pine tree a mighty snort. The buck had circled, was within good spittin' distance, but had decided we *might* spot him. My wife got over her surprise and excitement soon enough to break him down as he loped off.

From him we added certain facts to the buck-education: Canny old bucks would circle to outwit a hunter. They would watch their own back-track from a place of concealment or from a vantage-point. Wise old bucks

depend on two contrary traits. They either put a lot of distance between them and an enemy at the first sign of danger, or they "lie low" and close, relying on camouflage, concealment, and the hunter's inability to spot them.

A Caribou Forest buck used this system, and had he continued with it, his record-book antlers would not be on my shop wall.

Three of us had stopped in 16 inches of snow, on a windy, craggy knob. We were debating our lack of sense. Instead of being cold, wet, pooped, hungry, and similarly miserable, we could have been at home, warm, dry, full of energy and grub, and happy.

Less than sixty yards away was a clump of aspens. The buck with 10 points and a 30-inch spread standing there had it figured

right, except that we gabbed too long, and looked camp-ward while doing it. In looking back, we saw his concealing aspens, but not him, and that was his undoing. He thought we looked at him. And on a high lope, he bounded out of the trees, headed for adjacent Wyoming.

Partner, never one to remain like a cucumber during intense excitement, missed him by a margin of feet. I got lucky. Looking back upon the incident, I'm forced to conclude that partner's miss was due mostly to his poorly fitting rifle stock.

Three factors in the art of deer-hunting come to light from this affair. First, canny old bucks *do* lie low, if their experience indicates that the enemy will not spot them. Secondly, when such game discovers that the enemy does, or is apt to, detect their

presence, then they are away like the proverbial bat out of hell. Thirdly, the successful hunter in such heart-stopping situations, must have a rifle stocked to fit him, so that, when he ups it it will point right at the moving target; and he needs a cartridge of sufficient horse-power to do the job successfully under far-from-ideal conditions.

Big bucks, especially in heavily-hunted areas, will often depend on the continuing-distance factor. That is, they will leave an area five minutes before any sign of danger and they seemingly never stop.

We watched a prime example of this in some semi-barren, aspen-patch country once. A couple of hunters were "sneaking" up on a great buck and both were visible to us with binoculars. They pussy-footed into each aspen patch, expecting the buck whose tracks they followed in the snow. But less than a mile beyond, the great buck would stop and study them from some vantage-point. Then he would run to another spot where he could watch them again.

It took many years to uncover this hard lesson: It's far better and productive never to trail an alerted buck, but in some way—

out from behind you. In this case, it was the big buck whose spoor we'd seen. Subsequent back-tracking showed that he'd stood immobile, not only while we'd passed within a matter of 10 or so feet, but until we'd gone far down the ridge. Then, when he was certain that no dude hunter could hit him, he started his sneak-away up and over the ridge.

"Take him!" I said to my wife.

In her efforts to get the sights on him, she fell on the steep hill, stabbing the muzzle of her Model 99 Savage deeply into the ground and filling the barrel for an inch. At the moment, there seemed nothing better to do than sit in the wet snow and bust the great buck with my .30-06.

That instance lent support to what an observing western outfitter, Glidden McNeel of Alpine, Wyoming, once told me. "You watch. A big majority of the really big bucks are shot in the hinder."

This is reasonable in the light of these two deer-traits. The big buck either lies low, taking flight in the last second and necessitating a fast shot at his departing rump; or the wise old monster is already a long ways off, headed fast and continuously from the hunter, and also presenting a shot at his least-vulnerable hind-end. Thus, the serious trophy hunter takes a rifle-cartridge combination greater than that needed to account for a spike buck.

There is another buck characteristic. A big buck, coming into contact with a person and with mutual surprise, will often stand anchored instead of bolting—if the person evidences no obvious intent to harm.

I am confident that game, especially wise old bucks whose survival depends upon an accurate estimate, can divine the intent of man. The man, who, upon seeing game, immediately prances about, throws his gun to his shoulder, yells, "There he is!", points, and otherwise advertises the fact that he's seen game—is enough to make any smart buck head for the next county.

But if the hunter spots game and then casually goes about *doing exactly as he has been doing*, then there is less reason for the game to suspect danger. The trick is to so continue with such a pseudo lack of interest until you get into full view, have the safety off and are ready, and then bust the buck before the instant-of flight.

My last Wyoming buck taught me a new trick. At over 350 yards he topped out on a sage brush sky-line, near dusk. From the sitting position I cut loose with the .264 Magnum—and missed him clean. Glidden McNeel, the outfitter, said with confidence as the buck loped away, "He won't go far. If this was back near our elk camp, where there's a lot of hunting, that buck would not put on his brakes before Utah. But these are migration deer. And deer, migrating, don't run off far."

True to Glidden's prediction, we'd only hunted a few minutes till we located the buck again. He'd simply romped out of sight,

FAMOUS GUNMAN



Sammy Davis, Jr., one of Hollywood's most active gun collectors and an aficionado of fast draw, shows a Colt Single Action .45 to Chaylie Saxe, president of Saxe Brothers Inc. of Albany, New York, a plastics manufacturing firm and a prime supplier to Colt's and many other U.S. firearms makers.

even if you have to walk an extra mile—circle him and come upon him from an unsuspected direction.

A great 12 point western buck once combined both traits of getting-away-closer, with results that any experienced deer-hunter can appreciate. My wife and I were after a whopper, and had hunted quietly down a high ridge at foggy day-break, watching that productive area where the edge of timber and mahogany met the open alp. The tracks of a mighty buck lay all around as he'd meandered about unmolested.

As we finished the ridge, and went down into the canyon-bottom, where he wasn't, we heard a faint tinkle of shale, from the very ridge-edge we had just left. In mountain country, a tinkle of shale often means a tinkle of shale, or a smart old buck, sneaking



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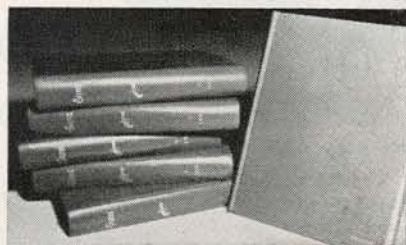


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then turned sharply, and headed back into the head of a gulley, just under and towards us. As we went down the crest, he came out, on the opposite side of the canyon, this time at 250 yards. One shot reduced him to possession.

The deer rifle must fit perfectly if you are to take advantage of the long-range shots and those fast, close snap shots. My experience is that neither type shot can be done successfully unless the rifle has a light, crisp trigger-pull. On both shots a hard sloppy trigger-pull will throw the shot wild, and I'm convinced that this is a fundamental reason why fine riflemen often miss.

It's simple hunting wisdom to have a cartridge with sufficient power to do the job, especially at an "angling" or raking shot, and flat enough so as not to miss through trajectory error at longer ranges. Specifically, cartridges of the .270, .280, .264 Magnum, .30-06, and the 7 mm class are the deer hunter's best bets.

BOBCAT! ON SNOW AND SAND

(Continued from page 21)

My bobcat hunting took a drastically different turn when, instead of just going south for the winters, we moved permanently to south-central Texas. There weren't many hound men here and so I discovered a new bobcatting thrill—the predator call.

After a few seasons in Texas, I became convinced that the bobcat I always considered so shy, is possibly the dumbest little devil on earth when it comes to a squalling predator call. He loses his sense, and his shyness, thus offering plenty of good sport.

The bobcat is a great one for staying in the thickest, meanest stuff he can find during the day. But at night, he comes out and wanders around wherever the hunting is good. In the south-Texas brush there are many fairly open spots, prickly pear flats, or places where green, low-growing *saladillo* grows, and where the rabbits cavort of an evening. If such a spot happens to border dense brush such as is found in any dry-creek or wash bottom in the brush country, it could hardly be more perfect for a setup to call Bob.

Four of us made our first try in such a place. Nobody paid too much attention to the breeze. When you call coyotes or foxes you must watch the wind. But a cat, for some odd reason, doesn't seem to mind which way it blows. One of the boys put on a headlamp, tilted the beam up so it would not hit an animal in the eyes and frighten it. The lamp, when worn this way, throws a dim light in a broad circle, picking up the glow of animal eyes. The caller keeps a strong-beamed flashlight in his hand, ready to spotlight the target when he gets it up close enough.

We stood close behind the caller, listening to the wailing of the call. He swung his head from side to side as he wailed, searching the area. Then his head stopped moving, and he started squeaking softly. All of us could see three pairs of eyes. Bobcats. They were so close it seemed ridiculous.

Presently the caller put the light on them. One cat was sitting. He turned his head aside because the light bothered him. Another one started to walk away. The third stood and stared. The caller switched off the light. We were so startled at what we'd seen that

A sling is a must. Look at the rifle of a man who has killed at least six bucks in the 28-30 inch antler class, and five will get you ten his rifle is sling-equipped.

The big bucks rifle must be perfectly sighted in—and before the hunt. Sight any modern deer rifle in for 200 yards, then learn the hold-over at 300 and 400 yards. Another way is to sight the rifle in at 300 yards, hold around 4 inches low mid-way, and on the buck's spine at 400 yards. That's a rough-and-ready rule, but it works.

Lastly, the smart shooter is the man who uses his deer rifle as often as possible during the off-seasons. He gets to know his gun, its beft, trigger pull, the sights—and he hits what he shoots at, especially on those fast snap shots.

Briefly, this is what the monster mule deer bucks taught me over the years. But I am willing to bet that, come next fall and I take another whopper, I'll learn a new trick or two!

nobody shot, although with a scope in that light it would have been easy pickin's. We decided to see what those cats would do. A breeze had sprung up, blowing directly from us to them. Believe it or not, we kept those cats around us for 20 minutes and never did kill one because we were having too much fun watching them. During that evening, in three sets, we called seven bobcats.

The Burnham brothers, call makers with whom I have hunted, have had some amazing experiences with bobcats. On a recent



Michigan cat treed in big birch
and was easily seen by hunters.

trip they called 55 bobcats on the same big ranch in a week. On that trip, too, they experimented with calling a cat close and tossing them a dead jackrabbit. Some cats were spooked by the sound of the rabbit hitting the ground, others grabbed the dead rabbit and ate it while the light was on them!

Bobcats can be called during the day. For those who have called foxes or coyotes, it must be understood that for daytime cat calling, you must operate in dense cover. And a cat comes sneaking, not running like the fox or coyote. He also comes slowly, sometimes taking 20 or 30 minutes before appearing. Most callers leave a bobcat stand too quickly in the daytime. Often one will come to the call and sit behind a bush, watching. There are a number of instances of cats

sitting right in the open, watching a caller who didn't know he was being watched. Whit Whinton, game warden at Laredo, Texas, turned around one day as he sat squalling for a bobcat on a wash bank—and there was the cat, sitting in the middle of the trail, watching him.

The Burnham's have discovered that two callers wailing away simultaneously seem to have an especially mesmerizing effect on bobcats. They have also used the electronic call which plays a record and had good luck with it.

The type of gun you use for bobcat hunting doesn't matter too much. Seldom are shots of any length offered. They're either tree shots, or running shots at rather close quarters. Most of the old hands in my bailiwick use shotguns loaded with small-size buckshot.

Lately, I've been using the new Savage Model 24 rifle-shotgun combination, upper barrel .22RF Magnum, lower barrel 20 gauge. The deluxe model has auto ejectors, and is a very good looking little gun, indeed. Although each barrel is of course only single shot, this in my estimation should make an absolutely perfect bobcat gun for the northwoods hound-dog crowd. A bobcat, which will weigh on the average seldom much over 25 to 28 pounds, is not difficult to kill, and both the .22RF Magnum and the 20 gauge have all the steam one needs when hunting on snowshoes.

Nowadays, I think maybe I like to remember hunting bobcats on webs better than

I'd like to renew its acquaintance. The cat calling in the southwest brush has spoiled me. To be sure, it is no shotgun sport there. On occasion a close shot is offered, but most of the time you need a rifle, and it seems to me that this in itself is a part of the appeal of the sport.

The hot and accurate .222 is an excellent gun. It is powerful enough, is light to carry, and you just can't beat it for hitting where you aim. The .243 is another good one. I like it because it is a good all-around rifle, for coyotes that come to the call, for deer in season, and for javelina. The one-gun man cannot go too far wrong with it. On the other side of the picture, I've hunted bobcats with the .264 Winchester Magnum, seen them shot with the .270 and a lot of other calibers. Any hot-flying, flat-traveling bullet that hits a bobcat will do a lot of damage. If you are planning to keep the hide or have a cat mounted, then something like the .222 or even the .22RF Magnum—when you can pick a close shot—is a better idea. But I really don't think caliber is any great consideration. Getting the cat to come to the call is what counts.

Regardless of where you live, you should try bobcatting once. You cannot help finding a new off-season sport with these ubiquitous little critters. They will repay in high drama and new varieties of hunting thrills all the effort you spend to collect one. And who knows, maybe we'll meet someday at some cat crossing!

GUNS AND THE GOOD LIFE

(Continued from page 30)

won the Olympic rapid-fire matches shooting upside-down pistols. Apparently, their shooters didn't cant the gun, and the advantage of the nearly recoilless guns brought them the Gold Medal. The design was promptly legislated out of existence.

Henry Behrens hasn't spent all his time making guns for his own amusement. He has run a regular gun sales and repair business from the time he finished his apprenticeship in 1897. But when someone wanted something special, Henry built it for him.

Often, after such special guns had served their purpose, Henry got them back. That's the story behind two of the guns in his big collection.

The first is a "dehorned" Colt Army Double Action .45, carried on duty for 30-odd years by a Cincinnati policeman. It was dehorned and the barrel shortened so that it would fit in a tail-coat pocket. It's a big pocket gun, but the officer wouldn't have any other.

"He picked it off the wall himself," Henry Behrens chuckles. "First, he handed me a still-good .38 revolver and told me to chuck it in the collection. Then he handed me this and told me to fix it so it would go in his pocket." It seems the man had shot a knife artist five times with the .38 and still got cut to the extent of six weeks in the hospital, so he was big-caliber minded.

Behrens snubbed the barrel back to about 2", did away with the extractor and most of the hammer, chopped out the front of the trigger guard, and put on a little bead front sight. He then loaded some heavy .45 Colt loads, using a 260-grain cup-pointed wadcutter that Behrens calls a "British Man-

stopper," ahead of 40 grains of semi-smokeless powder.

The gun worked fine. Twice in the 30 years it was carried, it came out of that pocket and stopped its man—permanently. After retirement, on a visit to Sarasota, the owner gave it to Henry for his collection.

The other Behrens-built special tells its stories only by its looks and its performance. It's a special 42-inch barreled "Long Tom" single-barrel 12 bore, built to put a hefty charge of 00 Buck "in your hat" at about 50 yards or so. Henry Behrens built two such guns, for neighbors who hunted deer deep in the Florida woods and hated to waste ammunition. With these Long Toms, they needed just one shot.

These buckshot specials were built on Stevens actions marked "Dreadnought," with Behrens barrels. They must weigh at least 10 pounds. They do indeed, Behrens says, put buckshot in a mighty small group "way out yonder." In Florida's humid atmosphere, an unpitted gun owned 20 years by a backwoods farmer is pretty unusual, but this Behrens special is unmarred. Obviously, it was a prized possession. It came back to its maker only after the owner's eyes went bad.

The list of other special jobs is long. Behrens made several insert rifle barrels for shotguns. One he remembers was in .25-35 for one barrel of a 20-gauge Merkel over-under. The job included an air-and-water-tight wooden case, as the owner was headed for Argentina. He later wrote that it worked just fine.

Once Mrs. Behrens said she'd like to have a Kentucky rifle to hang over the fireplace. So Henry made one, and there it hangs, flintlock and stock and barrel all hand-hewn.

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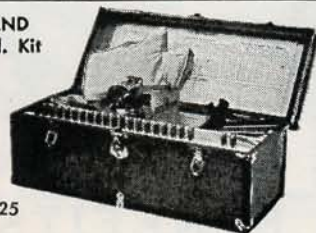
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Henry Behrens figures he made a hundred or so special guns for his customers.

It is as simple to describe how Henry Behrens makes his guns as it is to tell how to shoot well. One shoots well by aligning the sights properly and then firing the gun without altering this alignment. Henry Behrens takes an idea, turns it into a rough sketch, and then makes steel pieces to match, fitting them to one another as he goes along. Simple? For him, it is.

A piece of tough steel about an inch or so thick, and some good bar-stock, are all he needs. He grease-pencils the rough drawing on the steel, and hogs it off with a hack-saw. He then sets it up in the vise and files it to shape. He uses a hand-powered drill press to start his inside file cuts, and also to put holes where he needs them.

Once a major piece is finished, usually the receiver, all the rest are made to fit it. Trigger linkage, hammer (most Behrens guns have outside hammers) all slip in place and are usually pinned. Short barrels, as in the handguns he's making these days, are first fitted into place, and then drilled, reamed, and rifled on that same hand-power press.

Most of this work is done in the Florida sunshine on his back porch. Vise and tools are mounted on the porch railing. With a chunk of steel and a fist-full of files, Henry Behrens will knock out a simple receiver in a morning or so. He keeps two or more going at once, always something in the works.

In all, now in Henry Behrens' possession, are 94 of his odd-balls. In single-shot pistols

there are tip-downs, swinging barrels, swinging blocks, rising and falling blocks, trap-doors a la Allin, Martini-types, bolt actions operated by levers, buttons, sliding latches of all kinds. He has built them with sheath triggers, double-sets, single stage triggers, buttons, thumb triggers, and even, in one target type, a release trigger.

In repeating handguns and rifles, he has regular revolvers, one or two with extra barrels—say, a .22 revolver under a .38 single-shot. There is a lever-action which looks like a Volcanic at the back end, but like a Colt Lightning .22 rifle at the front. There are right-side-up and upside-down semi-autos with locked and unlocked breeches, with clips before and behind the trigger, loading from the top and the bottom. There is a gas powered locked-breech pistol. Some look like Colts, some like Mausers, some like Berettas—and all look like Behrens.

The Behrens approach to firearms design and construction makes solid-looking guns, with surprising heft for their bulk. Henry Behrens points out that they are solid metal, save for the space occupied by operating parts. All have good sights, mostly of the Patridge variety; almost all have visible hammers; all have about the same trigger pull, which is very light and soft, without a "break."

That outside hammer is important in the Behrens scheme of things. He thinks it is the best safety that can be built. In his upside-down automatic, which has an outside hammer, Behrens solved the problem of safety by hitching a steel indicator rod to the hammer, extending back into the trigger guard. Even with the hammer out of sight under the gun, a wiggle of the trigger finger tells the shooter whether it's cocked or not.

Aside from the guns he has made himself, Henry Behrens owns a lot of other interesting guns. Some of them make any gun nut drool. Some are oddities. Some have stories connected to them, like the "Long Tom" 12 and the dehorned DA Army.

One of the first things a knowing eye catches on stepping into Henry Behrens' house is a First Model Dragoon Colt, hung casually by its trigger guard on the back of a chair. Near it on a pile of magazines is a Farrow rifle action. That's right; an untouched, still-in-the-white Farrow action.

Probably the only loaded gun in the house is a Colt SA Army .45, 7½" barrel. It's one of two Colts that Behrens' father bought. The other was a 3½" barrel Storekeeper's Model, now long gone. This particular gun was Mrs. Behrens' favorite, and Henry Behrens estimates its ammo consumption at something like 100,000 rounds. It has no finish, but it's tight and sound. And it's probably the only working gun around that was bought from a man named Colt—Leman Colt, in this instance, way back in the '80's.

In a pile of long arms leaning in a corner are the tell-tale beefy stocks of some U. S. Martial flintlocks, and at least one Brown Bess. A pile of pistols in another place holds at least one Mauser and a couple of cap-and-ball arms. In a stack of rifle actions, there are a couple of Winchester saddle-ring carbines and a Savage 1920 in .250-3000 caliber.

Behind a door is a cache of sporting fire-



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arms designed to water the mouth of any collector-user. There's a Newton sporting rifle in .30-06, so nicely-balanced and with such a well-proportioned stock that you don't even notice the full 28" barrel. There's a made-for-Sears Marlin Model 90 in .22/.410, but this one is finished like Sears never saw.

This gun and some others are the result of Henry Behrens' long-time chumship with a number of people in the gun industry. Nick Brewer of Savage Arms was one. Brewer was a gun designer for Savage, and he and his doctor father were gun nuts. Henry Behrens has a squirrel rifle made by the elder Brewer. It looks like a percussion Kentucky, full-stocked and all, but it breaks open to take the Stevens .25-25 cartridge. A similar friendship is behind the Marlin 90 and a mate to it in .30-30/20 ga. once owned by Henry Behrens.

Besides building and designing and repairing and selling and collecting guns, Henry Behrens has done a lot of shooting. In days when a box .22 Long Rifle costs 85¢ or so, it seems strange, but he and his wife have plinked around a million .22 rounds into the bulletstop in his backyard. And that doesn't count the center-fire stuff, including the 100,000 or so rounds of .45 Colt run through the old Single-Action Army.

The natural question that comes to mind when you sit and talk to this gunsmith—designer—gun nut cum laude is, "Why did you never try gun manufacturing?" The man's energy and ability is impressive.

What you get is a gun nut's answer.

"I never wanted to. I had all the guns I wanted right here," Henry Behrens says. "And besides, I did manufacture some guns for a fellow once." He reaches in his pocket and pulls out a most innocuous-looking half-inch tube maybe 5" long. He unscrews

half of it and takes out a .32 Short cartridge.

It's an unmarked tube gun, with a screw-out cannon barrel. On the rear end is a knob, designed to fit against the base of the thumb, while the barrel pokes out through the fingers. A sleeve around it, a knurled ring, is pulled back by the fingers—and "Click" goes the firing pin.

Henry Behrens made 500 of these just after the turn of the century. He got \$2.50 each for them. The man he made them for sold them for \$5 each. That somehow didn't seem right to Henry, but nonetheless, he's had one in his pocket ever since. His has an aluminum knob; the commercial ones had a rubber knob.

Henry Behrens has had a full life without big business or lots of money. He has all the guns and shooting a man could want. He lived in a pioneer community, was its fire chief for 12 years, and operated a nightstick when Sarasota was a tough town.

He and his wife drove a White fire truck—an open truck—from Milwaukee, Wis., to Sarasota, Fla., in 1917. He once killed 16 quail and a rabbit with one shot from a borrowed Winchester shotgun. Once, when the Florida real estate boom went bust back in the late '20s, Henry tore up \$5,000 worth of bills owed him rather than watch his wife try to collect them. He owns a house full of memories and guns.

Sixty-five years of gunsmithing haven't bent his back. At 78, alone, he manages a jaunty gait to match his six feet of height. He repairs hunters' guns for the weekly groceries. He entertains every day on his back porch. It's all fun to him.

It's all been fun to Henry Behrens. What part of it wasn't devoted to fire engines, nightsticks, or a loving wife, was hitched to guns. A good life. Henry Behrens thinks so. And so do I.

FAST DRAW VS. COMBAT SHOOTING

(Continued from page 23)

Each shooter is timed individually at each stage, and a pre-determined sliding scale is used to convert his time into points of credit. In some of these matches groups the size of the palm of your hand are fired in 1.6 or 1.7 seconds timed from the signal to draw.

This course lacks the accuracy requirement of the practical pistol course, but it more nearly approaches the speed requirements of fast draw clubs than any other combat course known to me.

I have been told that there are over 30 types of fast draw contests held in this country. The better ones utilize accurate timing equipment to measure the speed, and they may be self-starting or include reaction time. In some the competitors stand still and draw. In others they walk and draw. In some contests they shoot against time only. In others they are paired against each other in an elimination system.

In self-start shooting, the contestant stands ready with gun holstered and with one finger of his shooting hand holds down a push button switch keeping the electrical circuit to the timer open. He chooses the instant to draw, and the switch closes the circuit and starts the timer when his gun-hand releases the button. The shot stops the timer either by sound or by a hit in a target area. In this method only drawing and

firing time are measured.

In reaction fast draw, the contestant stands ready with holstered gun and awaits the signal to draw. The signal, usually a light, bell or both, is actuated by the same electrical current that drives the timer. Times recorded in this method are naturally greater than self-start times because they measure the response time as well as draw and fire time.

In the duelling types of fast draw, the contestants may stand or may walk either side-by-side or approaching each other. In the side-by-side contest, hits with wax bullets on a target are utilized to stop the timer. In face-to-face shooting, blanks are used, and the sound stops the timer. In either type, the timing equipment usually indicates the winner and his time.

The walk-and-draw type competition was adopted a few years ago by the Colt's-Sahara Hotel match in Las Vegas, Nevada. Today, this event is accepted as the national fast draw championship. In this match, the contestants take their places with guns holstered and loaded with blanks at opposite ends of a 120-foot walkway that has a 30-foot foul zone in the center. When each has signalled that he is ready, the command to commence walking is given, and they walk toward each other with gun hands ready but at least six inches from their guns. The signal to draw,

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WHAT MAKES THE "CRACK" GO "BOOM"

Some one sent us the following as a clipping—so clipped that we are unable to tell who published it or when. There is no by-line, either. But we think it worth reprinting . . . with thanks to all sources concerned.

The question of what causes the "bang" or noise from a fired gun has always intrigued a considerable number of shooters. Many have taken it for granted that the noise is made by the "explosion" of the powder in the charge. Others have not been so willing to accept this theory.

The supervisor of Physics and Ballistics Research at Remington Arms Company, Inc., recently wrote an article describing some experiments on the analysis of the sound from a .22 rimfire cartridge.

These studies revealed that, once the velocity of this bullet exceeds the velocity of sound in air (approximately 1100 feet per second), the major portion of the noise arises from the so-called "bow wave" or "shock wave" originating with the bullet. It was also shown that, as the velocity of the bullet increases, the loudness of the "crack" increases rapidly up to a bullet velocity of about 1300 feet per second, after which it continues to increase, but at a slower rate.

The noise attributable to expanding gases at the muzzle was shown to be relatively small for .22 rimfire cartridges in contrast with the relatively loud report these gases cause in high power center-fire cartridges.

For this reason, therefore, the high-power cartridge lends itself more readily to explanation of the causes of noises induced by both shock wave and expanding gases.

First, let us consider the chain of events accompanying the discharge of a high-power rifle, and what happens as these disturbances are transmitted through the air. As the bullet starts to move down the gun barrel, it pushes the air in the barrel ahead of it out the muzzle, compressing it, and causing a mild shock wave to be formed at the muzzle of the gun before the bullet exits.

Shortly after this, exceedingly swift

gas, which has leaked past the bullet in the barrel, leaves the muzzle of the gun, very closely followed by the projectile.

At the instant the projectile emerges from the muzzle the powder gas behind it in the barrel is still at a very high pressure, on the order of several thousand pounds per square inch. This gas immediately starts to stream out of the barrel and expand, and quickly attains a velocity considerably in excess of that of the bullet.

This gives rise to a turbulent region and a sound wave which is in advance of the bullet, moving at a higher velocity than the bullet itself.

However, the impact of the exhaust gases with the stationary atmosphere soon slows the velocity of the expanding powder gases below that of the bullet.

In a very short distance the bullet overtakes the sound wave due to expansion of these gases and can be seen in spark photographs to proceed ahead of the explosion wave with the formation of a shock wave of its own, providing, of course, that the bullet velocity is greater than the velocity of sound.

In general, then, it can be said that, when a gun is fired, the noise arises from two sources. One source is the shock wave created by the passage of the bullet through the air, and is present whenever the velocity of the bullet is greater than the velocity of sound in air, which, as noted above, is approximately 1100 feet per second.

The other source of noise is the sudden violent expansion of the gas from the gun barrel into the atmosphere when the bullet leaves the muzzle.

Thus, to an observer sufficiently distant from the gun, the discharge of a firearm will register itself upon his ear as first a sharp "crack," which is due to the shock wave originating ahead of the bullet, and followed thereafter by a "boom" which is the percussion wave sent out from the muzzle of the gun due to the violent expansion of the powder gases.



a light and a single ping of a bell, may come at any time after that. There are no hits to be scored, since blanks are used for safety, but guns must be approximately level with the ground at the instant of firing. The timing equipment indicates the winner and his time in hundredths of a second. In the latest of these contests, in November, 1962, Vance Anderson reduced the record to .31 second and consistently drew and fired in that time.

A practical shooter thinking of combat would be either horrified or amused to see a conventional competitor go over the National Match Course for the first time. In the beginning, he would take three minutes to set up his shooting kit on the firing bench,

adjust his spotting scope, put on the proper shooting glasses, screw in his ear plugs, check his squadding ticket, and lay out his gun, ammunition, oil can, screwdrivers, stopwatch, scorebook, and other sundry equipment. Before the shooting starts he assumes a precise stance often with the left hand carefully placed in the left trouser pocket, and he has a time limit averaging 60 seconds per shot in the first stage. This kind of shooting is obviously not for combat, but is intended to test accuracy and not speed.

At the other end of the scale is the Colt's Sahara type fast draw shooting which, with its flashing speed, also lacks certain practical elements. The fast draw competitor uses a single action revolver that has long since

been discarded by the combat shooters in favor of double action guns. Blanks are used for safety at Las Vegas. The combat shooter will use live ammunition, preferably of heavy caliber. The fast draw shooter's extreme gun rig would not be accepted by any police force in the United States. The combat shooter must wear a rig that does not look freakish or indicate that he is trigger happy. The combat shooter—thinking of the police officer still—must approach his opponent in a fairly natural manner. The fast draw competitor approaches with a smooth, gliding walk, one foot placed precisely in front of the other at each step, with the upper body and hands held in a constant ready position and leaning slightly backward. When he finally explodes into action, the fast draw man goes all out for speed and tries to have his gun level at the instant of firing. The combat shooter must score a hit in order to stop his opponent and he must not have any misses that might kill an innocent bystander.

However, the things that seem out of place to the combat shooter now are important in fast draw and may be helpful in combat shooting later. The western dress and single action revolver featured in fast draw shooting keep alive the legends and traditions of the Old West. The fast draw walking style, which may strike the average spectator as unnatural, helps the contestant keep constantly ready. It reduces the chances of his being caught in an awkward position at the signal to draw, and is conducive to more consistent fast performance. The fast draw gun rigs that may appear extreme, embody certain principles that may well be adopted by the combat shooters. The low-slung, tied-down holster of yesteryear that wobbled with your leg as you walked is gone. The modern speed rig carries the gun higher and, as nearly as possible, always in the same position to avoid fumbling the draw. It is designed to permit moving the gun into firing position with the least effort and in the shortest possible time. Improvement in the hammer-fanning technique has put the fanners ahead of the thumb cockers now. The combat shooter will not attempt to fan his double action revolver, but he may improve his shooting by using the same study methods and training technique that helped fast draw.

A few years ago, the chief complaint against a fast draw was that it was dangerous. One organization that opposed it received a steady flow of newspaper clippings of accidents connected with attempts at fast draw with live ammunition. These accidents were shocking to those steeped in the safety precautions that accompanied organized target practice and competition. However, these cases, though unfortunate, were not representative of the fast draw game. They were often individuals who entered into the sport without proper training in safety or fundamental technique, and who tried to handle loaded guns with a speed beyond the capabilities of their skill.

Fast draw is a young, dynamic sport. Besides its improvements in equipment, technique, and performance, it has made great strides in insuring safe gunhandling. In an up-to-date fast draw club, members are taught safety and are trained to a level of skill that enables them to handle guns without danger. Then, to back this up, strict safety practices are enforced at all times.

When the contestants face each other as in the Colt's-Sahara match at Las Vegas, only blanks are used. When it is desired that hits be scored to stop the timer and insure that a reasonable degree of accuracy is attained, wax bullets are used. They are loaded into shells with primers only, and have enough muzzle velocity to strike the target smartly at a distance of several feet. At very close range, they would raise painful welts on the exposed portions of a person's body and could cause serious injury to the eyes; but they are otherwise not dangerous.

The rookie Federal agent who was not permitted any kind of fast draw practice during his training may not be able to get his gun out before the fight is over. Most combat shooters do have a reasonable speed, and the top notchers are especially fast considering the fact that their shooting is with live ammunition. Several years ago a series of timing tests were performed on Walter Walsh, former FBI agent and now a Marine colonel. Using a .38 Special double action revolver and live ammunition, Walsh scored many hits in the kill zone of a man-sized target in from .30 to .40 second using the self-starting, fast draw timing method.

Bill Jordan has performed numerous amazing feats involving a combination of fast draw and hits with live ammunition. In one day, he twice recorded times of .27 second, including reaction time to draw and score a hit on the Ross robot dueling target with wax bullets. Competitors placing near the top in matches over the Bancroft pistol course can usually be expected to score 5 hits with live ammunition on a single silhouette target in 1.6 or 1.7 seconds. Firing on five separate

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targets, they may extend their time to about 2 seconds. In general police training over the practical pistol course, elapsed times between .50 and 1 second are considered good for drawing and placing the first shot in the target at 7 yards.

This may seem slow compared to the speeds with which fast draw shooters get off their first shots. In the East, where fast draw contests are often with wax bullets and a hit on some target is required to stop the timing machinery, .40 second is considered fast time. In the West where blanks are more widely used and the timer is stopped by sound, the time is reduced to the neighborhood of .30 second. Remember that the combat shooter uses live ammunition and must hit his target!

To understand the major differences between combat shooting and fast draw shooting, let us look into the purposes of the two. The Yuma Territorial Six Guns, a fast draw club in Yuma, Arizona, declares in their constitution and by-laws the following purposes of their organization:

- To promote good sportsmanship.
- To stress and teach safety in the handling of all firearms to anyone who might seek instruction regardless of club affiliation or non-affiliation.
- To keep alive the legends and traditions of the old West.
- To promote and exhibit the fast draw technique.
- To promote fast draw as a clean competitive sport.

Some of these elements are included in the purposes of a combat shooting program. However, the principle purpose of combat shooting is self defense. To police, military personnel, householders, and others, it means shooting with a combination of speed, accuracy, and fire power that will disable a hostile opponent before he can score a fatal hit.

Obviously there is really no conflict between today's fast draw shooting and combat marksmanship training. One is a sport entered into for recreation and entertainment. The other is a serious business entered into for the protection of one's life. 

THE WICKED SEVEN

(Continued from page 37)

7x57 cartridge and stays in less than 2 minutes of angle.

On my first hunt with this gun I used Western and Remington soft point factory ammo. While the factory loads left much to be desired, they proved very effective on mule deer. In order to develop the capabilities of the gun and cartridge, handloads were worked up. Several mule deer and an elk or two were taken with the 160 gr. Speer bullet ahead of various powders. With both the Speer and Western Tool & Copper Works 160 gr. bullets at around the 2700 fps, bullet action on game was excellent, with good expansion and penetration. Best of all, the trajectory was quite flat.

Later I started using the 160 gr. Nosler bullet backed by 48 gr. of 4350 which, in my rifle, is very accurate and near maximum. Due to the excellent bullet design and sectional density these bullets give very deep penetration while still expanding sufficiently to give the tissue destruction so vital for quick kills. Several mule deer, pronghorns and elk have fallen to this load and no animal fairly hit required tracking. None of these Nosler bullets have ever been recovered from deer-sized game, not even from large bulk elk on broad-side shots, and complete penetration is normal.

In my experience the killing qualities, penetration, and trajectory of the 7x57 cartridge with 160 gr. bullet is equal to that of the .30-06 using 180 gr. bullets of identical design.

In the late 1940's I acquired a second rifle with a .284 bore and chambered for the .285 O.K.H. cartridge by C. M. O'Neil. This cartridge is a .30-06 case necked to take the 7 mm bullet and is almost an identical twin for the later .280 Remington. Loading data for the two rifles are identical. This cartridge with the greater powder capacity will handle 175 and 180 gr. bullets better than the standard 7x57 case. The 180 gr. Western Tool & Copper Works two-diameter bullet clocked in at some 2850 f.p.s. at the muzzle with maximum loads, and some 100 f.p.s. faster with the 160 gr. bullet.

Mule deer and elk were killed with this 180 gr. W.T.&C.W. open-point bullet which was beautifully designed for long range shooting, but seemed to expand too quickly for the deep penetration that is needed on game the size of elk on quartering shots. This .285 O.K.H. is considerably flatter than the 7x57 and is about an equal to the .300 H&H Magnum for long range work.

I was seriously testing this cartridge in the game country, when John Nosler brought out the 175 gr. 7 mm bullet in his first open-point design. This was a true two-diameter bullet with the forward portion out to ride the lands.

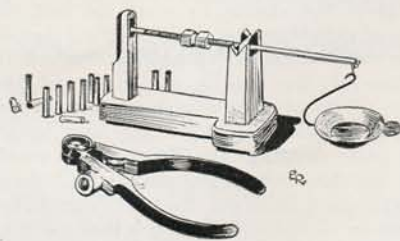
Several elk were killed with the open-point and later with the soft-point 175 gr. Nosler bullets, at ranges from 50 to near 400 yards. In every instance these bullets gave complete penetration, but all shots were either through the lungs or shoulders, and none were large bulls. All were killed with a single bullet.

In drop tests it was found that with 55 gr. of 4350 behind the 175 gr. Nosler soft-point from a 26" barrel, sighted to print 3" high at 100 yards, the bullet was still 1½" high at 200, 4½" low at 300 and 17-18" low at 400 yards. The 160 gr. bullet shoots even flatter and is a better choice for game in the sheep class.

Some 10 years ago there appeared a wide variety of wildcat 7's, many built on belted magnum cases. Some of these were of rather poor design, and similar to the old .280 Du-biel, using the full length .300 H&H brass with long sloping shoulders. For the most part, these were belted cases cut to about .30-06 length, with shoulders of 30-35 degrees, and blown out to have very little body taper. In many cases the powder capacity of these magnum 7's exceeded that of the standard .300 H&H.

The late Phil Sharpe did a great deal of experimenting with various cases and developed excellent 7x61 Sharpe & Hart cartridge. Based on the .300 H&H Magnum case, it is somewhat shorter than the '06 (61 mm as compared to 63 mm) and has roughly

ten grains more powder capacity than the '06 case. According to Norma ballistics data, this cartridge with the 160 gr. bullet develops a muzzle velocity of 3100 fps. Trajectory is very flat and the cartridge has won a great deal of respect wherever it has been used. The 7 x 61 S & H, the Weatherby 7 mm Magnum, and the 7 mm Remington Magnum are to date the only three magnum 7 mm cartridges loaded commercially. None of



these cartridges are found easily enough in out-of-the-way sections of the country. Moreover, bullet weight choice is somewhat limited.

After the fine results obtained with the small and the medium 7's, one of the Big 7's seemed the ultimate in a long range rifle for big game. Reliable chronograph checks indicated that some of the large, blown-out cases would give about the same velocity with the 175 gr. bullet as the somewhat smaller cases—like the 7 x 61—would with the 160 gr. bullet. I never liked the light and short bullets for heavy game, and a case that could handle 160-175 gr. bullets to the highest velocity seemed to be the answer. Although the bullets might be over-bore capacity and thus a bit hard on throats, this was not to be a varmint rifle and a little throat wear was a minor problem.

I had Art Mashburn barrel a 300 F.N. Magnum Mauser action with a 24" Douglas tube and chamber it for his 7 mm Mashburn Magnum. I stocked the rifle with a piece of fine French Walnut, and reduced the weight until, with a Leupold 4X scope in the Detach mount, it weighed eight pounds. Warren Page had written me that he clocked the Mashburn 7 mm at 3050 f.p.s. with the 175 gr. bullet from a 22" barrel, which should give a strong 3100 f.p.s. from the 24" tube.

Like many custom rifles, this one was a law unto itself. Powder charges had to be cut two grains below that of some other rifles, and loads had to be developed.

The proof of any cartridge is not in what it does at the muzzle, but what it will do on the far side of the canyon where the game is. How much bullet drop is there at 400 or 500 yards, what is the remaining bullet energy at that distance?

This Big 7 proved to be one of the most accurate rifles I have ever seen in a sporter. Groups with both the 160 and 175 gr. Nosler bullets ran under 1" at 100 yards, and at 400 yards it was still running less than one minute of angle. Best of all, it planted both the 160 gr. Nosler and Sierra bullets in the same group with the 175 gr. Nosler at 100 yds. Actual drop tests up to 400 yards amazed me.

Sighted to print 3" high at 100 yards with the 175 gr. Nosler bullet, the gun still printed 3" high at 200 yards, dead on at 300 yards and 12" low at 400. With the 160 gr. Nosler bullet and the same sighting, it was up 4½" at 200, still 1½" high at 300 and

only down 6-8" at the 400 yard mark. If you hold this Big 7 dead on a sheep's shoulder anywhere out to 400 yards and are using the above sighting and the 160 gr. bullet, you'll have mutton in camp that night.

This rifle was blooded on a cow elk that had been spooked and made the mistake of stopping to look back from the far side of a canyon at what looked to be 400 yards. The crosshair rested on top of her back and the 175 gr. Nosler bullet took her just over center and whistled off into space. She dropped and rolled to the canyon bottom—dead. The rifle accounted for a huge mule deer buck at a short 150 yards, using the same load—a 175 gr. Nosler bullet backed by 70 gr. of 4831. A fair-sized black bear was whacked at slightly over 100 yards with the 160 gr. Nosler pill and 71 gr. of 4831. Penetration was complete in all cases with 2 inch exit holes.

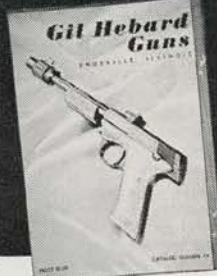
By now I had no doubt of what the gun could do, but the acid test is on the big, tough game, game that can pack away a lot of punishment. When in the fall of 1961, I had the chance to make that dream trip to Alaska, the Big 7 went along.

The first chance at Alaskan game came when a perfect silver-blond Toklat grizzly wandered into camp during a blizzard. The bear, rooting the last blueberries out of the snow was about 160 yards away, and nearly broadside. The blowing snow almost completely hid the grizzly at times. Rough shooting, but now or never. The 175 gr. Nosler took the bear high in the shoulders, and he dropped without a quiver. Perhaps a minute passed, then the great head came

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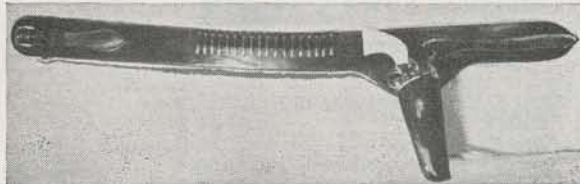
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up and the bear tried to pull to its front feet. John Porter, crack Alaskan guide, was at my side, decided maybe another shot would do no harm in case the snow screen cut our view of the bear to nil. The second bullet took the grizzly on the point of the shoulder and the head dropped into the snow. The second bullet was unnecessary—the first had broken both shoulders and the spine.

A few days later a huge bull moose that measured 7 feet from withers to heel, was shot at 300 yards. I did not have a chance to get closer because he was about to go into the alders to bed down. The 175 gr. Nosler bullet hit at the rear of shoulder just under the spine, broke ribs going in and out, left a fist-sized hole in the top of lungs, passed through the off-shoulder and almost went through the hide. A measured 36" of penetration through heavy bone and muscle! The bull stood swaying for a couple of minutes and a second shot in the shoulder point put an end to it. The second shot would never have been fired except that we thought that the first one might have been a bit too high.

The 160 gr. Nosler was also tried on caribou. We had been after a big record-class bull for several days but snow, fog, and bad luck had kept his rack on his head. When the shot was offered it was at what looked to be a long 400 yards and with the bull leaving the area. To help matters, a 40

mph wind howled around our ears. The bull was quaring toward us, and with the cross-hairs six inches under the top of his back, the Big 7 bucked. He shuddered, wheeled into the herd, stood head down, dropped to the moss and lay still. This 160 gr. bullet passed through a rib, the lungs and paunch, and lodged in the hide of the ham on the other side. Again there was three feet of penetration. The distance was paced as 404 yards over level ground.

Maybe the various 7's aren't the best all-around cartridges, but don't undersell them—they are efficient, wicked, killers. With bullets of the 160-175 grs. class and the great sectional density and excellent bullet coefficient, they are ideal for long range, big game shooting. The 7's still pack a wallop out there where the game is and that's what counts. With the Nosler 175 gr. bullet there are few if any cartridges that will give deeper penetration. I still think a lot of the little 7x57, but remember that the Big 7 is still steaming along with a 160 gr. bullet out at 275 yards almost as fast as the little 7 is at the muzzle.

When the Alaskan safari was wrapped up, Johnny Porter, who has killed or seen Alaskan game killed with about everything that shoots, summed up my Big 7 with a minimum of words. When I asked what he thought of it, he commented, "That is the meat gettin'est rifle I ever saw."

GUN OF THE MONTH

(Continued from page 31)

that his invention or system was registered with the French patent office.

L. Perrin also experimented with ammunition and he was granted the French cartridge patent No. 17,741 of 1856. This patent was particularly applicable to shotgun shells, but the longitudinal partition feature is also found in the internal construction of his revolver ammunition.

The design of the Perrin revolver was somewhat advanced by Civil War era standards. While the great bulk of the revolvers were of the percussion system, Perrin's mechanism utilized center-fire, fixed, metallic cartridges. This was an advanced type and probably gave ordnance men somewhat of a headache since the metallic cartridges were quite special. And without the right cartridge the revolver was nothing more than a good paper weight.

It can be assumed that the Perrin revolvers

were honestly serial numbered. I found one collection that contained three of these guns and they bore the numbers 673, 904 and 1376. This would enhance the assumption that Perrin numbered his products in the normal way. We can then appreciate that Robert Tennant of Englewood, Colorado, has a mighty rare pair. Although they were acquired 10 years apart by their present owner, from different sources, the two Perrin specimens pictured with this article are consecutively numbered 421 and 422.

There is an excellent chance that these two revolvers were finished side by side in the factory of L. Perrin about 100 years ago. Exactly where the two went is unknown, but it is known that they came to this country and were separated. Undoubtedly they traveled many miles apart while the years tumbled away. Now, after all this time, they are back together again.

The Perrin ammunition is inside primed center-fire. A cursory examination makes it appear to be rim-fire, and one mail-order house sold the cartridges for years, calling them rim-fire in spite of their having box lots of ammunition clearly labeled "percussion centre."

The 12 mm Perrin revolver is a rarity. Take a good look at the photograph—somewhere in some attic or cellar there must be some more. Find one or all of them and you'll have discovered a treasure.

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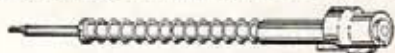
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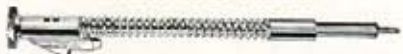


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WERE SACCO AND VANZETTI FRAMED?

(Continued from page 18)

testified that he had recovered four bullets, and that he had scratched, with a needle, a Roman numeral on the base of each in turn. As the State did not contend that #I, #II, or #IV came from Sacco's gun, only #III assumed importance.

Mr. William G. Thompson, of the Council of the Boston Bar Association, contended 35 years ago that the #III bullet was a substitution for the bullet actually removed from the body of the murdered Berardelli. It is important to note that even the prosecution now admits that the identifying marks on the #III bullet differ from the marks placed by Magrath on the other bullets. The defense contends that this is proof of a forgery by one of the State's experts, and no proof in denial of the charge has ever been recorded. Visual and photomicrographic tests show that the markings do differ; even the various experts who were subsequently allowed, by the State, to examine the evidence were forced to admit this startling fact.

Current apologists contend that bullets identical to bullet III were so rare in 1920 that "the experts could not locate any for their tests," thus indicating a supposed difficulty to procure a substitute, and since the "bullet had been deformed by striking flesh," the deformation would have been impossible to duplicate.

The superficiality of the above is indicated by the photograph of the base of a .32 ACP bullet with a deformation strikingly similar to published photos of the #III bullet. This similar deformation was obtained by the not very remarkable expedient of firing into a pine board backed by wadded paper in which the bullet was received! As for the "rarity" of the type of cartridge, it is currently available in box lots, even today, 40 years later!

The cartridge case (known as the "Fraher")* is the other piece of controversial evidence. Unmarked, it appeared at the

trial, allegedly having been found near the body of Berardelli with "three others." Because the "W" over the cannellure on the bullet indicated that #III was of Winchester origin, no one at the trial or during the ensuing 40 years questioned the conclusion that the Winchester cartridge case (the "Fraher") found near Berardelli had carried the #III bullet. Investigation now discloses that the "W" type bullets were produced in two types of cartridge cases! The cartridge case in the Sacco-Vanzetti exhibits is smooth, but the bullet was also produced in a case that had an external cannellure-crimp. Therefore, there is no scientific proof for the contention that the #III bullet came from the cartridge case in evidence! Incidentally, this point is herewith presented for the first time, not only as a matter for objective study, but as a flat indictment of the testimony of every expert involved in this travesty of "opinion evidence."

During the trial, the State attempted to prove that Sacco's gun (which he carried as a watchman, with his employer's knowledge) fired the #III bullet. Captain William Proctor, after being qualified as an expert, "having testified in over 100 capital cases," and as the officer in charge of the Massachusetts State Police, testified as follows:

Q. (By Mr. Williams): "Have you an opinion as to whether bullet #III was fired from the Colt automatic which is in evidence?"

A.: "I have."

Q.: "And what is your opinion?"

A.: "My opinion is that it is consistent with being fired by that pistol."

This testimony was understood by Judge, jury, and attorneys for the defense to mean that the witness was testifying that the bullet had come from Sacco's pistol. A careful study of the Judge's charge, as well as summations by counsel clearly indicates exactly how the sworn testimony of the head of the State Police of the State of Massachusetts—under oath to tell the "truth, the

*Students of the record refer to this case as "the Fraher" because of the name of the man who allegedly furnished it to the prosecution. The story is that a man named Bostock found this and three other cases in the street and gave them to an employee of the factory, a Mr. Fraher, who gave them to the sheriff. All these transactions were casual, the cases were not marked for positive identification during the exchanges.

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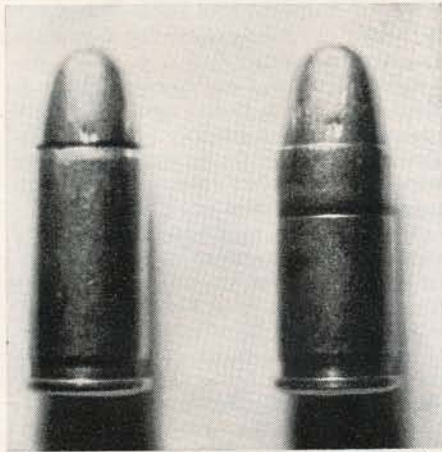
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whole truth, and nothing but the truth"—was misunderstood.

On October 23, 1923, after confessing to Elias Field and Albert Hamilton that he was "getting to be too old to want to see a couple of fellows go to the chair for something I don't think they did," Proctor issued the famous "Proctor Affidavit" which follows:

"... During the preparation for the trial, my attention was repeatedly called by the District Attorney and his assistants to the question whether I could find any evidence



—Photo by Boston Globe

The .32 ACP cartridge with the "W" over cannelure on bullet was made in two types, crimped and uncrimped.

which would justify the opinion that the particular bullet taken from the body of Berardelli, which came from a Colt automatic pistol, came from the particular Colt automatic pistol taken from Sacco. I used every means available to me for forming an opinion on this subject. I conducted, with Captain Van Amburgh, certain tests at Lowell, about which I testified, consisting in firing certain cartridges through Sacco's pistol. At no time was I able to find any evidence whatever which tended to convince me that the particular model bullet found in Berardelli's body, which came from a Colt automatic pistol, which I think was numbered 3, and had some other exhibit number, came from Sacco's pistol, and I so informed the District Attorney and his assistant before the trial...

"At the trial, the District Attorney did not ask me whether I had found any evidence that the so-called mortal bullet which I have referred to as number 3 passed through Sacco's pistol, nor was I asked that question on cross-examination. The District Attorney desired to ask me that question, but I had repeatedly told him that if he did I should be obliged to answer in the negative. Conse-

quently, he put to me this question: 'Q. Have you an opinion as to whether bullet number 3 was fired from the Colt automatic which is in evidence?' To which I answered, 'I have.' He then proceeded: 'Q. And what is your opinion? A. My opinion is that it is consistent with being fired by that pistol.'

"That is still my opinion for the reason that bullet number 3, in my judgement, passed through some Colt automatic pistol, but I do not intend by that answer to imply that I had found any evidence that the so-called mortal bullet had passed through this particular Colt automatic pistol and the District Attorney well knew that I did not so intend and framed his question accordingly. Had I been asked the direct question: whether I had found any affirmative evidence whatever that this so-called mortal bullet had passed through this particular Sacco's pistol, I should have answered then, as I do now without hesitation, in the negative."

No directly responsive answer was ever made to this extraordinary document; the State denied the implication of "repeatedly," but not the framed question-and-answer.

The history of the evidence is soaked in suspicion. Bullets and shell cases were improperly handled from the inception of the investigation, were passed around casually, without proper markings or records. No records or inventories appeared of the early tests and dates and details are also lacking. Between the middle of the trial and shortly after it, the dimensions of the #III bullet changed in a mysterious manner—mysterious, that is, if it was still the same bullet. It should be noted that the State originally stipulated that no contention would be made that Sacco's pistol had fired any specific bullet, but during the trial, the State changed the stipulation. After the execution of Sacco

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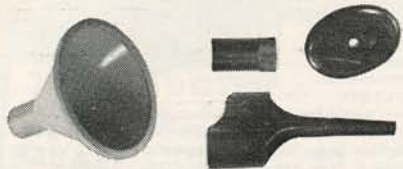
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and Vanzetti the evidence disappeared. Allegedly recovered and subjected to new tests, we are again told that Sacco's pistol fired the #III bullet.

Replete with improper conclusions, the tests included the "firing of two shots to clear the rust from the barrel." Not disclosed was the fact that the evidence was apparently subjected to secret manipulation in 1944, and the results of these tests were not recorded with the exhibits. This omission allowed a recent "American Heritage" article to state: "...the clips that fastened them [the exhibits] in their triple envelopes had rusted into the paper. Apparently they had not been disturbed since 1927." But a Boston "Globe" photograph proves that the envelopes were opened between 1927 and the 1961 tests! It is difficult to accept the claim that the history of the evidence permits a reasonable foundation for valid scientific appraisal.

The record shows the following facts associated with some or all of the experts that were retained by the State, or that subsequently examined the evidence with the approval of the State:

One "expert" did not know what a breech-block was, but claimed that he could tell what make and type of gun fired a bullet "by looking at it." While testifying as an expert, he was unable to field-strip a Colt .32 automatic which he admitted he carried as a personal gun. The State's witnesses did not know that the stated measurements of the bullet in evidence straddled those of at least 13 other .32 cal. automatics, or that the so-called "Savage" measurements straddled nine other guns! Another "expert" did

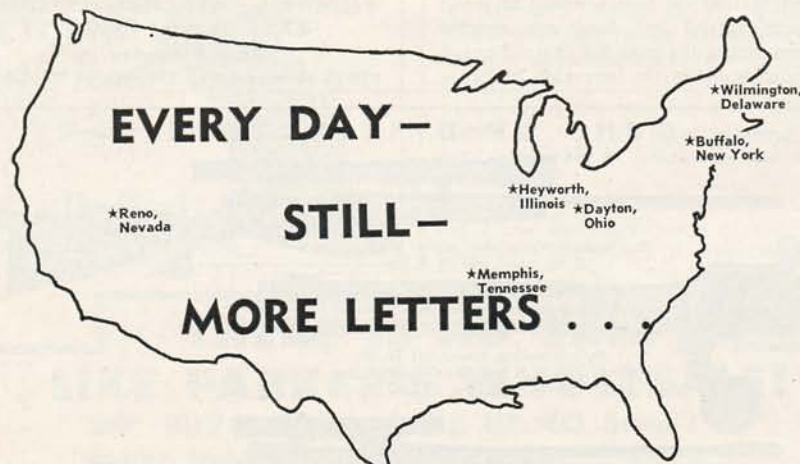
not know that a .32 Bayard pistol existed, and he had never heard of a Steyr or a Sauer! The trial testimony was evaluated by the Gunther brothers in their classic understatement, "The testimony given by the experts for the Commonwealth was incompetent."

Since the trial, the State has severely restricted examination of the exhibits, and only a few "experts" were permitted study of the evidence. Research discloses that in those few but well publicized instances, every expert involved had expressed opinions, prior to the examinations of the evidence, in agreement with the State's claim that Sacco and Vanzetti were guilty.

In at least two other cases (Milazzo in Ohio, and Israel in Conn.) two of those experts were proved completely wrong in bullet identifications with their comparison microscopes. In both cases, innocent defendants narrowly escaped conviction for murder!

A recent article by Francis Russell, based on "new ballistic tests by two experts," claims that by looking at the #III bullet, the experts concluded it had been fired into a body! However, before they were allowed to examine the evidence, they had stated that "...there can be no doubt that Sacco's pistol fired one cartridge case and one of the fatal bullets."

No one can seriously contend that Sacco and Vanzetti received a fair trial. Few believe that they were guilty. We are now concerned with the question, "If Sacco and Vanzetti were innocent, were they framed with a false bullet and cartridge case?" What do you think?



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(Continued from page 25)

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|-----------------|-----------------------|---------------------|---------------|--------------|---|
| Muzzle | 2650 | 780 | — | — | — |
| 50 | 2420 | 650 | 0.4 | 0.1 | — |
| 100 | 2200 | 535 | 1.8 | 0.5 | — 0.1 |
| 150 | 2000 | 445 | 4.4 | 1.2 | — 1.4 |
| 200 | 1800 | 360 | 8.8 | 2.6 | — 4.5 |
| 250 | 1630 | 295 | 14.7 | 4.4 | — 9.1 |
| 300 | 1460 | 235 | 23.7 | 7.4 | — 16.8 |

HIS GUNS ARE TAKING HIM TO COLLEGE

(Continued from page 33)

from 33 nations. For the third time in shooting history, a skeet gunner broke 100 straight with each of the four guns in a skeet tournament. Two of those thrilling performances were given by Miner Cliett, Alabama teenager.

Shooting is a way of life for him. He told apologetically that his studies at Howard had cut his time for quail hunting, and that he had kept only five of his bird dogs. He loves the outdoors and the open fields. At Howard he is majoring in forestry, allowing him to follow a career that is also his avocation.

Miner is not the only shooting Cliett. Dad Cliett is renowned as a bird hunter and clay target buff. His quail call, though not commercially made can be obtained locally. Two Cliett sisters can hold their own in distaff skeet competition. Mother does not shoot, but runs a gracious old-South courtly home, while arranging literally hundreds of skeet trophies tastefully as befits the household. That all of the Cliett shooting prowess is not confined to the male members of the family is borne out by the box score of the 1959 Alabama state skeet shoot.

All Gauge Champion—Miner Cliett, Childersburg

Ladies All Gauge—Emily Cliett, Childersburg

Sub-Senior All Gauge—Tom Jones, Birmingham

Junior All-Gauge—Miner Cliett, Childersburg

Sub-Junior All Gauge—William C. Ireland Jr., Birmingham

Industry All Gauge—J. W. McCollum, Northport

Twenty-Gauge—Miner Cliett, Childersburg

Small Gauge—Miner Cliett, Childersburg

Sub-Small Gauge—Jack Lovett, Jr., Montgomery

Ladies Sub-Small Gauge—Emily Cliett, Childersburg

Junior Sub-Small Gauge—Miner Cliett, Childersburg

Sub-Junior Sub-Small Gauge—Guerry Denison, Birmingham

All-around Champion—Miner Cliett, Childersburg

It should be noted that the only titles not won by a Cliett, except one, were those for which they were not eligible. Alabama skeet shooters will not be comforted by the news that schoolteacher Emily is taking a sabbatical leave to bring up another generation of shooting Cliett's. The name Cliett seems destined to grace Alabama, national, and world shooting archives for years to come.

One sure way to be honored at a "day" by your Alabama home town is to star on the football field for the beloved Crimson

Tide and Bear Bryant. The other way is to win most of the world's shooting honors on a skeet field. Childersburg honored Miner Cliett as one of its most distinguished and beloved citizens on August 19, 1959, complete with gifts and civic gaiety.

Miner Cliett wears the championship crown well. As befits a true champion, this 18 year old is a modest, unassuming, gentleman, and a Southern gentleman in the bargain. Most of the material for this story about his fantastic accomplishments under untold pressure, had to be pried, bit by bit, from kind and loving parents, friends, neighbors, townspeople, skeet shooters, and the cold pages of the record book. His conversation during background interviews concerned the writer, quail shooting, Howard College, and it's great president, Dr. Leslie S. Wright.

No story about Miner Cliett, and his unique shooting scholarship to Howard College would be complete without some words of praise and admiration for this dynamic and forward-looking young college president. Significant are Dr. Wright's words in the "Howard Story," a beautiful brochure about the College:

"The ascending spiral of greatness in America has risen because business and industry have produced wealth which in turn has supported educational institutions such as Howard. In their turn, colleges have supplied leadership to business and industry in order that more wealth might be produced. Prosperity will continue so long as the nation has greater production, better education, and better leadership.

"Howard College accepts its responsibility to provide this kind of educational opportunity to increasing numbers of qualified students."

Howard College, by granting a shooting scholarship to Miner Cliett, has thus broadened the usual college concept of leadership. We do need leadership in the arts, the sciences, in business. But we also need leadership in the proper use of recreation, and Howard College has taken a big step into the right direction. The shooting sports are, at long last, becoming a part of higher education.

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see ad on page 7

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DUELING PISTOLS cased with all loading accessories made in Central Europe around middle of 19th Century. This set, along with 1500 other interesting, authentic, hard-to-find guns, edged weapons, armor, and related items offered for sale in current catalog of The Museum of Historical Arms, 1038 Alton Road, Miami Beach 39, Fla. Send \$1.00 for catalog, refunded with first purchase.

MAN-SIZED CIGARETTE LIGHTER has polished nickel big bore barrel, black stock with nickel inlays, and measures 5½" overall. Useful gift, decorative conversation piece. Priced \$5.95 with stand plus 50¢ postage, handling charges. No C.O.D.'s. A product of Ward's, P. O. Box 454, East Longmeadow, Mass.



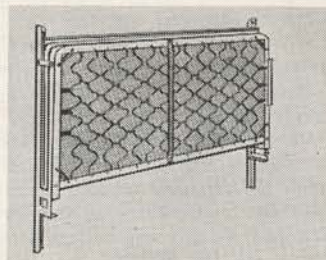
STUART'S GAME BIRD RELEASERS permit training bird dog even when game is scarce. Releasers hold bird in natural position under control until you are ready to flush. Available in two sizes: for pheasants and for pigeons or quail. Ideal for starting puppies, finishing young dogs, working retrievers and shooting clubs where live birds are target. From the line of Lucas Specialty Products, Dept. G-5, Harrison, Mich.

RADIANT HEATER recently added to Bernz-O-Matic line of propane appliances by the Otto Bernz Co., Inc., Rochester, N. Y. Retails for under \$30. Heater has input of 1200 BTU's, comes packed with two disposable propane cylinders giving it initial service life of 24 hours. Shock resistant steel body makes it ideal for both indoors and outdoors use. Instant lighting and instant heating, in temperatures as low as 20° are claimed by the manufacturer.

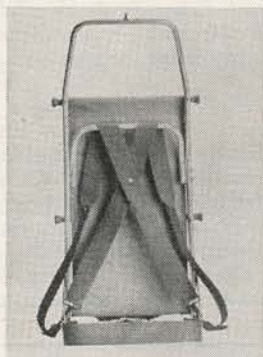


G. I. SNIPER SCOPE. Model 84, 2½X coated optics. Cross hairs won't break as they are part of lens rather than actual crosshairs. Elevation and windage adjustment. 5½" eye relief. Packaged in heavy cardboard and tin foil. Complete with canvas carrying case and rubber eye shield. Retails at \$17.50 ppd. Available from The Santa Ana Gunroom, Dept. G-5, 1638 E. First St., Santa Ana, Calif.

UNIQUE GUN CATALOG in picture-story tells how Flaig's, Dept. G-5, Millvale 3, Pa., is equipped to serve shooter sportsmen. Features exclusive Ace Products, engineered by Flaig's for hunters and shooters since 1936. Available for 25¢.



BUNKIE sets up as modern, thin-line lounge during day, converts at night to two-layer bunk bed. Folds up against wall to thickness of only 6" when extra floor space is needed. Both sturdy and comfortable. Fine for lodges, resorts, and camps. Wherever floor space is at a minimum, Bunkie's versatility is in demand. It is made by the originators of the sinuous spring used throughout the world in quality furniture. Manufactured by No-Sag Spring Co., Dept. G-5, 124 W. State Fair, Detroit 3, Mich.



PROFESSIONAL PAK FRAME. Expeditionary portage equipment for international sportsman has new, exclusive Himalayan features: adaptable to all individual sizes; engineered to accommodate Big Game Trophies; to accommodate expeditionary supplies and equipment; to carry and protect scientific instruments and mechanical devices. Balanced combination construction of light metal alloys and seasoned hard woods. From: Himalayan Industries, Dept. G-5, 807 Cannery Row, Monterey, Calif.

GAVERS 1963 Aeronautical 9 Transistor Receiver portable radio. Three bands: VHF: 106-135 M.C. (Aircraft and Control Towers); LF: 200-400 K.C. (24-hour aviation weather); and AM 517-1600 K.C.



(standard broadcasts with great distance receptivity). Has azimuth standby navigation finder. Unit weighs 2 lbs., 12 oz. Priced at \$99.95 ppd. or \$10.00 down, \$10.00 a mo. from Klein's, Dept. G-5, 4540 W. Madison St., Chicago 24, Ill.



CROSSMAN V-300 Lever Slide Action BB Air Pistol. Ideal for father, son shooting matches, outdoor target practice, teaching safe gun handling sportsmanship, indoor target practice. Two-stage power permits selection of lower velocity for safer close up shots. Exclusive slide-action cocking. Priced at \$14.88 prepaid from Godfrey Import Corp., Dept. G-5, 85 Chambers St., N.Y. 7.

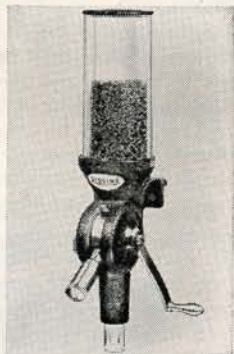


HEATED LUNCHBUCKETS let sportsmen enjoy hot food out in the open during cold weather. Lunchbuckets use inexpensive disposable propane gas cylinders, each serving over 30 hot meals. Can be used as "cold" bucket in summer by taking fuel cylinder off. Retails for \$19.95, with \$5.00 down and balance C.O.D. Product of Bird Engineering, Dept. G-5, 206 So. 19th St., Omaha, Neb.

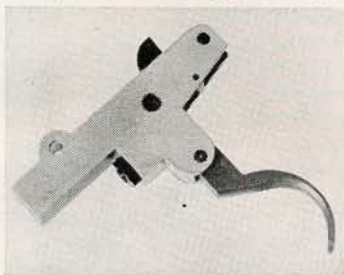
JIFFY PAL, unique tool, first-aid pack offered by McNeil Specialty Co., Dept. G-5, 11816 High Meadow Dr., Dallas 34, Texas. Made of stainless steel and heat treated aluminum alloy, unit also features 10 lb. scales, reel wrench, bottle opener, fish scaler, hook disgorging, match striker, razor blades, vacuum lid opener. Retails for \$3.95 each.

WITH Guns

REDDING MASTER POWDER MEASURE includes measure settings for Winchester 230, 500, and 295 powders, plus those listed on chart accompanying measure. It features



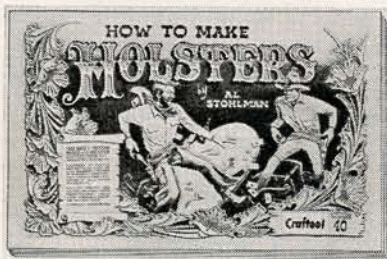
visible-level powder reservoir, adjustable chrome-plated metering chamber, setting easily made and locked, capacity of up to 100 grains, and positive mounting bracket. Manufactured by Redding-Hunter, Inc., Dept. G-5, 111 Starr Rd., Cortland, N. Y.



SPORTER TRIGGER (pictured) economy model with adjustable trigger pull for Springfields, Mausers, and U. S. Enfields. Single stage, crisp action hunting trigger. Priced at \$8.95; Sportsman model fully adjustable for trigger pull, creep, and backlash, priced at \$10.95; Sportsmaster model fully adjustable for trigger pull, creep, and backlash. Has integral thumb slide safety for Springfields and Mausers only. Priced at \$15.95. Trigger line manufactured by Timston Corp., Dept. G-5, 13507 Lakewood Blvd., Downey, Calif.



OVER-NITER extra dry finish pup tent made by The Hettrick Mfg. Co., Dept. G-5, Statesville, N. C. Provides weather-proof shelter for one or two men. Rubberized sewed-in floor; zippered nylon screen door with protective storm flaps. Measures 5'6" wide by 7'6" long with a 3'6" center height. Made of 6.73 oz. spruce green drill fabric. Retail price, \$23.50.

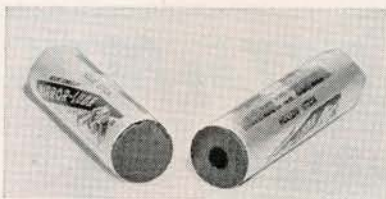


"HOW TO MAKE HOLSTERS" textbook by Al Stohlman priced at \$1.50 includes over 500 photographs and illustrations. Step-by-step methods for making holsters for any gun. Also contains treasure of holster lore and photo-carve designs, all necessary tools, and carving and sewing instructions. Order copies from Tandy Leather Co., Dept. G-5, P. O. Box 791-00, Fort Worth, Texas.

PLASTIC GUN CASE Model 017 features an improvement, according to manufacturer, The Boyt Co., Iowa Falls, Iowa. James O. Boyt, vice-president, sales, points out new case features full-length zipper with double pull, sewn in under new quilting method that eliminates "zig-zag" stitching pattern on outside. Improvements, adding to both serviceability and appearance of case, are incorporated in both regular and scope-equipped models.



CO200 gas operated semi-automatic pistol introduced by Daisy Mfg. Co., Dept. G-5, Rogers, Ark. Powered by 12 gram CO2 Jett, it shoots at least 160 BBs with one cylinder. Interchangeable adapter permits use of 8.5 gram CO2 cylinder which yields in excess of 100 controlled velocity shots at 375 f.p.s. New pistol retails for \$17.95.



MIRROR-LUBE BULLET LUBRICANT has qualities not affected by weather conditions. Leaves gun barrel in clean, highly polished, mirror-like state which it retains indefinitely; resists rust and pitting. Cleaning is with dry bronze bristle brush, followed by a cloth, or swab, slightly dampened with light gun oil. May be stored indefinitely. In solid or hollow sticks, priced 50¢ per stick, plus postage. Product of The Bullet Pouch, Dept. G-5, P. O. Box 4285, Long Beach 4, Calif.



PACIFIC HEAT SIZER. Designed to reform and iron crimp section of case to be reloaded, both inside and out. Assures perfect crimp even on cases deformed by use or abuse. Fast, safe operation. Built in wax reservoir allows rewaxing of cases. Available in 12, 16, 20, 28, and 410 gauges. Sells complete for any one gauge for \$7.90; extra gauge bodies for conversion purchasable at \$3.50 each from Pacific Gun Sight Co., Dept. G-5, Box 4495, Lincoln 4, Neb.



CONTOUR HOLSTER fits smoothly over hip. Has metal reinforced drop to hold gun butt away from body. Drop can be adjusted to individual shooting style. Made of premium saddle leather, with leather laced loop. Priced \$12.50 from The George Lawrence Co., Dept. G-5, 306 S.W. 1st Ave., Portland 4, Ore.

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FOR BETTER GUN SPORT

(Continued from page 27)

less dangerous enemy of shooting and shooters is the public ignorance of and antagonism against guns and the shooting sports. This is reflected in newspaper headlines, in magazine articles, in the willingness of many to support anti-gun legislation.

On the other side of the coin are the things we must promote—education of the public to a favorable attitude toward our sports; education of new shooters in good gun handling; promotion of more facilities for more shooting by more shooters—more gun fun for more people.

Americans have never been logical about guns. On the one hand, we boast that we are "a nation of riflemen," when the fact is that only two of every 100 draftees in World War II had ever learned to fire a rifle. On the one hand, we have built a vast legend about western gunmen, and then are quick to condemn all guns because a few guns are used by criminals. We will fight furiously for each of the other Freedoms guaranteed us by the Bill of Rights, yet we (many of us) are apathetic when the right to own and bear arms is in danger. It is not because we are a weak minority. . . . In fact, startling figures emerge when we begin to examine the status of the gun in America. A recent national survey indicated that there are 35 million American private citizens who own at least one firearm. (The average GUNS reader owns several. More than half of our readers own guns to a value of more than \$1,500).

Given unanimity of purpose, the 35 million gun owners in the United States could elect a president. Dwight D. Eisenhower is the only president who ever received more than 35 million (35,581,003, in 1956) popular votes.

From year to year, the official reports on the number of hunting licenses sold in the United States range from 15 to 18 million. Given unanimity of purpose, the hunters alone could hold the balance of power in any election.

But we are not united. We are vociferously indignant when adverse laws threaten our right to own arms, when adverse articles attack our shooting sports. We write angry letters to lawmakers, to editors—but we waste our strength in individual actions. The national organizations, headed by The National Rifle Association, which represent the vari-

ous major shooting sports have done more, with their total memberships of around 800,000, to promote shooting and to combat anti-gun legislation, than all the remaining millions of us have done together. But it is not enough. The vast potential power of the shooting industry, now under the united banner of the National Shooting Sports Foundation, is being thrown into the fight for survival—the survival of their right to make and sell, our right to buy and use, the guns and equipment that implement our sports. But it is not enough. You are the man who is needed—you and your millions of like-minded gun owners and shooting sportsmen.

THE SHOOTERS CLUB OF AMERICA is not designed to supersede the established organizations, or to compete with them, or to "show them how to do it." It is designed simply to create one more united force in the conflict which can (and will) coordinate its new strength of numbers with theirs for more effective action in the defense of our right to own and use firearms, in the promotion of more shooting and fuller enjoyment of the shooting sports, and in the development of a better "climate," a better public image of guns and of shooting, through favorable as against unfavorable publicity.

Let it be clear from the beginning that THE SHOOTERS CLUB OF AMERICA is not and will not be a political organization, either. We will not presume to tell you how to vote, or for whom, or even what opinions you should have regarding proposed legislation or problems that arise. We will, as accurately and as often as possible, report to you, directly and through the pages of GUNS Magazine, about gun legislation and other problems. We will, on occasion, give you our editorial opinions about those problems. We will give you a medium through which your individual opinions and efforts can be and will be channeled into unified actions with the existing shooting and industry organizations for maximum effectiveness.

We are peculiarly fitted to do this through the power of the printed word in three magazines—GUNS, GUNS ANNUAL, and THE SHOOTING INDUSTRY—and through our close collaboration with the shooting associations, the leaders in the industry, the writers and editors in this and allied fields, and (last but not most important) with you, the men and women who own guns and shoot them.

GUNS Magazine has been promoting shooting, advising shooters, fighting anti-gun legislation with money and editorial leadership and all the influence at our command, since 1955. But neither we, nor you, nor anyone else—not all of us together—have done enough. We propose to do more, and to help you do more. More of our dollars, more of our pages, more of our effort, will go this year and in succeeding years into concerted action (coordinated with the programs of the National Shooting Sports Foundation, The National Rifle Association, the Amateur Trapshooting Association, the National Skeet Shooting Association, the collectors associations, and others) than ever before. We are in this fight to stay—and to win. We ask you to help us.

(Continued on page 60)

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PRICE INFORMATION ON USED GUNS Membership entitles you to a free copy of the Redbook of Used Gun Values—the only book of its kind in the field. This standard price reference guide contains over 125 pages—complete with a directory of gun manufacturers—listing thousands of firearms with current prices according to excellent, good and fair condition.

TIMELY GUNS NEWSLETTER Special reports spotlight anti-gun legislative activity around the country—call attention to anti-gun articles and news items appearing in local and national media. In addition, the Newsletter is filled with the latest up-to-the-minute trends and developments in new products, new techniques, new ideas in firearms.

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G-5

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Join THE NATIONAL RIFLE ASSOCIATION. (See their advertisement on page 44.)

Join THE NATIONAL SHOOTING SPORTS FOUNDATION. (See their advertisement on page 46.)

Join one; join all. All of the great shooting associations have the same major objective—more shooting, more shooting fun, for more people. Each approaches that objective from a different angle, with different strengths, different advantages. Each needs the others. All need you!

Yes, this is a commercial project. We want to sell more magazines. We publish magazines for profit. There is no secret about it; we see nothing requiring secrecy in the honorable American system of enterprise for profit. Nobody gives us anything except in return for what we sell—professional competence in the fields of guns and publishing,

and the courage to put business dollars behind business skills. But where else can you buy, in addition to full value for your dollar, the dedicated effort of a skilled organization to improve your sport and increase your enjoyment of it? If it isn't a bargain, don't buy it. If it is a bargain, back it. As we will back you, in the legislative arenas, in the building of a better public image for guns and shooting, in the development of more sport through better shooting facilities.

We believe in the right of the American citizen to own and use guns. We will fight for it. We believe that the shooting sports are a priceless part of the American heritage. We will promote them. We believe that knowledge is the best weapon against prejudice bred of ignorance. We will teach as well as preach. And we will support all others who have these aims in common.

These are our pledges. We challenge you to help us perform them.



GUN RACK

(Continued from page 13)

Hodgdon Loading Dope

B. F. Hodgdon, the powder man, has settled in his new plant and celebrated this by producing a completely new set of handloading data. All loads were chronographed and checked for pressure, and his latest booklet, cost 50c, includes all the latest calibers. Send your check or money order to B. F. Hodgdon, Inc., Dept. G, 7710 West 50 Hiway, Shawnee Mission, Kansas.

Mossberg Barrel

The Mossberg 500, the pump shotgun with the safety on the top, can now be equipped with a slug barrel. The barrel is available in 12 and 16 gauge, and a 20 gauge barrel is due to appear in mid-'63. Barrell length is 24 inches, and the barrel has a ramp patridge front sight and a folding leaf rear sight that is adjustable. Ask your gunsmith for the Slugster barrel. This is a bargain at \$26.

Colt Rifles

Colt's Patent Fire Arms Mfg. Co. Inc., Dept. G, Hartford 15, Conn., will send you a complete brochure about their rifles. Guns are available in standard and custom grade, come in all popular calibers, from .222 Remington to .375 H&H Magnum. The Coltsman standard grade has a hinged floor plate, sling swivels, adjustable folding leaf rear and hooded ramp front sight with ivory bead. The custom grade has an engraved and gold-filled floor plate and trigger

guard, the floor plate replete with the rampant horse. The stock has Cocobola fore-end and pistol grip cap, Monte Carlo cheekpiece, and recoil pad. The checkering in the custom grade is of the skip-line variety.

The gun we received for testing was of the Custom grade in caliber .375 H&H Magnum. Complete with a Browning 4X scope, the gun weighed 8 pounds without ammunition and had an over-all length of 44 3/4 inches. Trigger pull was crisp and clean, the trigger breaking at exactly 4 pounds in repeated tests. These guns are made by Sako.

Our test gun performed more than adequately in target tests. Range conditions were rather poor, but at 100 yards and using Winchester 300 grain Super-X loads, we repeatedly grouped 2 inches from a rest. With the 270 grain Super-X loads we fired 3 shot groups that measured 1 1/16. Bitter cold and shifting wind conditions made testing difficult and all firing was done with heavy gloves. How the heavy skip-line checkering would affect a shooter handling a big bore gun without gloves is something of a consideration and is the only criticism we can find with this gun. In the standard grade, prices start \$134.50; in the custom version, at \$199.75.

Black Powder Fans, Please Note

One of the essential items on our bench is that dandy stuff known as Loc-Tite. One drop of it on screws that need to be secured tightly, especially on scope mounts of rifles that take a fair beating, and you won't need to worry about your scope mounting job. There are many, many jobs that we have undertaken with the help of Loc-Tite, and a new one should be of interest to black powder fans. Gas erosion on breech plugs and nipples of muzzle loaders can be avoided by using Loc-Tite around them, and the anti-corrosive film formed by this product will keep things shipshape. If leakage is due to worn threads, it is a good idea to recut the threads and then apply Loc-Tite. Loc-Tite is a product of the H&H Sealants Supply Co., Dept. G, Sangerties, N.Y.



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ARMS LIBRARY

(Continued from page 3)

"Fourteen" reproduces eight Sharps cata-
logs (1859, 1864, 1875, 1876, 1877, 1878,
1879, and 1880), and six others: Maynard,
1885; Marlin Ballard, 1888; Stevens Arms &
Tool Co., 1888; Stevens-Pope, 1902; Colt,
1896; and the case testimony of Rowan vs.
Sharps.

"Ten" reproduces the following: Merrill,
1864; Peabody, 1865; Peabody, 1866; Henry,
1865; Spencer, 1865; National, 1865; Folson,
1869; Great Western, 1871; James Brown,
1876; Homer Fisher, 1880—and, as a bonus
in this reprint, 26 pages from an E. Reming-
ton & Son catalog of 1877.

These facsimile reproductions, profusely
illustrated, will be of great interest and
value to all interested in firearms' history
and development.—E.B.M.

HANDBOOK FOR SHOOTERS AND RELOADERS

By Parker O. Ackley

(2235 Arbor Lane, Salt Lake City, Utah.
\$5.95)

Basically, this volume consists of two
books. The 266 page section of loading data
and cartridge specifications of all of the
author's and numerous other wildcat car-
tridges, plus a large section on shooting,
hunting, guns, gunsmithing, and other valu-
able and informative material. As a bonus,
Ackley has selected, from his vast sources, a
section of Question and Answers that recur
with the greatest frequency. This book is
valuable to the shooter, even if he is not a
reloader and ballistics bug. For the loader,
wildcatter, and ballistically oriented gun
buff, this book is as essential as a loading
tool or a vernier caliper.—R.A.S.

SINGLE-SHOT PISTOLS

By Charles Edward Chapel

(Coward-McCann, Inc., New York, N.Y.
\$7.50)

The full title of this book is "U.S. Martial
and Semi-Martial Single-Shot Pistols," and
as such is of tremendous importance to the
collector and student of the evolution of
handguns. Chapel's name is enough of a
guarantee to assure the buyer of the book
of some interesting reading, plus, of course,
some factual material that is not generally
known. Illustrations, though not photographs,
are extremely well executed black and white
drawings that, in many instances, show as
much and sometimes even more details than
photographs usually do. Most interesting are
the sections devoted to historical background,
and it is in them that much new material can
be found. Fascinating are the chapters con-
cerned with the single-shot pistols of the
Civil War period and the book gains more
and more stature the more often it is read
and studied.—R.A.S.

THE WEBLEY STORY

By William C. Dowell

(The Skyrac Press Ltd., Kirkgate,
Leeds 1, England. \$16 ppd.)

The birth of the Webley revolver occurred
in 1853, and this big volume (337 pages,
8"x11") traces the entire history and evo-
lution of the Webley guns and the Webley
brothers. The author has one of the most
extensive collections of Webley's and in 80
(Continued on page 66)

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"NEWS FROM NILO"

(Continued from page 19)

training for actual production. A million rounds of ammunition were fired to check various design approaches, model configurations, and initial pilot production.

New materials, new processes of manufacture, new design—all add up to a new line of Winchester-quality rifles. We have put somewhat more than a few rounds through the three 200's ourselves since coming back from Nilo, and have nothing but good to say about them. Accuracy is little short of amazing from non-target rifles; functioning is smooth, fast, and dependable regardless of how you mix up the magazines of ammo. They are Winchester-Western guaranteed to make shooters happy, and we see no reason to doubt that they will do just that.

Last year at Nilo, we saw and reported on the then-new Mark 5 shot shell, the one with the polyethylene wrapper around the shot charge. We don't need to tell you what the Mark 5 shells have done in one year, on the target fields, and on feathered targets. During that year, Winchester-Western was hard at work on methods to produce buckshot loads. The polyethylene collar helped, but not enough. The big bullet-size pellets, viewed individually, take a much greater beating than do individual pellets of small shot, with far greater resulting deformation. Think of it this way: the bottom layer of shot, which in 00 buck is only three pellets, is hit with two tons of force during the firing cycle. In a skeet load, the total force is divided over many pellets. The three 00 pellets divide it only three ways, and they come out looking like shrapnel!

The big pellets present other problems too, but let's keep it relatively simple; it's the results that count. Filler material in buckshot loads is not new; practically everything has been tried, from oatmeal to pine tar. Winchester-Western tried all of

those and a few more—about 50, all told, including cream of wheat, waxes, vermiculite, ethyl cellulose. The answer was right under their noses, so to speak, in the polyethylene collar of the Mark 5. When they powdered that and poured it in to fill the spaces around the big buckshot pellets, they had it.

They use the collar on the buckshot loads also; it holds the pellets together and reduces adverse muzzle effects. The powdered polyethylene protects the pellets from distortions and thereby reduce in-flight dispersion. The filler also causes the buckshot to behave as a fluid, as smaller pellets do, so that the choke can act as a choke should. The results are apparent in the pictures, in the patterns, and in the shooting results.

Other "news" from New Haven include a new high-powered magnum cartridge and light-weight rifle combination—a .284 Winchester Magnum cartridge in the Model 70 Westerner Featherweight rifle. Designed for hunters who want an ultra long-range, flat trajectory load in a light, manageable, but highly accurate rifle, this cartridge-rifle team is going to get a lot of attention, in print and in "the hot-stove league."

Still another "new" for '63 is the belted .300 Winchester Magnum cartridge. There isn't space here to give you all the dope on this one, or on the .284 either, but the pictures and captions will give you a taste of it—we'll give you more later in the way of lab test reports on both these cartridges. But the ballistics chart below will show you why Winchester-Western people are excited about one of their new big-game babies; you can take it from there.

But wait till we tell you about the new Winchester . . . Ooops! A voice from New Haven just shushed us. We'll have to tell you about this at some later date.

MAGNUM CARTRIDGE BALLISTICS

| | 264 Win Mag | 7mm Rem Mag | 300 H&H Mag | 300 Win Mag | 338 Win Mag |
|-----------------|-------------|-------------|-------------|-------------|-------------|
| Ctg. Lgth. | 3.33" | 3.29" | 3.60" | 3.33" | 3.33" |
| Bullet Wt. | 100 | 140 | 150 | 175 | 150 |
| V ₀ | 3700 | 3200 | 3260 | 3020 | 3190 |
| V ₁ | 3260 | 2940 | 2950 | 2670 | 2670 |
| V ₂ | 2880 | 2700 | 2670 | 2360 | 2440 |
| V ₃ | 2550 | 2480 | 2430 | 2100 | 2200 |
| V ₄ | 2270 | 2280 | 2210 | 1870 | 2050 |
| V ₅ | 2030 | 2100 | 2010 | 1670 | 1810 |
| E ₀ | 3040 | 3180 | 3540 | 3540 | 3390 |
| E ₁ | 2360 | 2690 | 2900 | 2770 | 2850 |
| E ₂ | 1840 | 2270 | 2380 | 2160 | 2220 |
| E ₃ | 1440 | 1910 | 1970 | 1710 | 1760 |
| E ₄ | 1140 | 1620 | 1630 | 1360 | 1400 |
| E ₅ | 915 | 1370 | 1350 | 1080 | 1090 |
| MR ₁ | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 |
| MR ₂ | 1.6 | 2.0 | 2.0 | 2.5 | 2.1 |
| MR ₃ | 4.2 | 4.9 | 5.0 | 6.2 | 5.2 |
| MR ₄ | 8.3 | 9.6 | 9.8 | 12.5 | 10.5 |
| MR ₅ | 14.5 | 16.5 | 17.0 | 22.0 | 18.0 |

Note that the .300 Winchester Magnum 150 grain bullet has a 200 ft/sec. advantage over the .300 H&H, and the 180 grain bullet has about 150 ft/sec. advantage. This is reflected in substantially higher energies and flatter trajectories. Along with these improved ballistics are extreme accuracy and carefully controlled upset, so that the increased long range performance can be effectively delivered.



HANDLOADING BENCH

(Continued from page 7)

A .264 has longer accurate range on varmints and game with 140 grain bullets than with lighter pills. Browning guns are throated, Winchesters are not, and some reloaders have the job done. One chap found chambered reloads had bullets marked and pressed to a greater depth in cases. Accuracy improved when he set his dies for deeper seating. Check your reloads for this trouble.

The .308 Norma Magnum is a great cartridge, similar to the .300 Apex wildcat, now a dead duck that filled the bill before Norma's creation. The Apex takes .308 N.M. shells after they are sized in a .300 Apex die, without trimming. Case capacity is about 70 grains 4350. A good load is 68.5 grains 4350 and CCI No. 250 primers behind a 180 grain Speer bullet. This also shoots well in a .308 N.M., but the charge can be increased 2.0 grains if desired. Norma recommends a 1:12 twist, but a 1:10 shoots well with my load, that isn't maximum.

The du Pont people will supply canister grade powders slower than 4350 before long. Their advantage will be in near full charges in so-called "over bore" cases with heavy bullets for higher velocity. Remember they are not increased ballistics. It works both ways! Occasionally a rifle comes apart with a reduced load of 4350 or slower powder. Salvage 4831 is the worst offender, in unpredictable behavior. We believe a major contributing factor in such blow-ups is a case with a long, thick neck. Cases should always be kept reamed, and trimmed to dimensions of a Case Length & Headspace Gauge, such as made by Forster-Appelt, and other makers of top quality gauges.

Norma has slower powders than 4350. Perhaps they will be available to the canister trade, after they market their faster powders, that should be available soon. I'll comment on these later.

It's only human to boast of "impossible" shots. I've made many, and so has my partner, Shack. We take pride in our handgunning, but sometimes we shoot like novices. I think everyone does. We saw a hawk in a dead tree at about 125 yards. The reloads in our favorite S & W .357 Magnums were zeroed for dead center at 100 yards. The hawk made like a statue while we shot both guns dry, changing the sight picture occasionally. After 17 rounds the hawk got tired of screaming lead and flew away. This broke our all-time record for lousy shooting!

Handgunning varmints is 10 times more fun than with rifles. The bag is smaller, but

you can be prouder of your accomplishments. Getting set back in the novice class once in a while adds interest and indicates a need for more practice.

The .44 Magnum has superb target accuracy with wadcutters. A fine mould you hear little about is Lyman's No. 429352 at 245 grains. This old bullet was designed by M. L. Holman for the .44 Russian, and set many records that can't be equalled by many shooters today with smokeless powder. Accuracy is excellent to beyond normal handgun hunting range, say up to 100 yards. Bullets tip at long range, which is common with wadcutters. They punch great big holes in varmints, small game, or paper. They make tin cans jump higher than a .357 Magnum or a .45 ACP, and kick up more dust for spotting hits. Light recoil with moderate loads make them easy to shoot and handle well.

The best target load is 4.5 grains Bullseye with CCI No. 300 primers, or you can go to 5.0 grains. The lighter works well in .44 Special cases for Specials or Magnums. For a hotter load use 7.5 grains Unique in .44 Special cases, or 8.5 grains in Magnums. DIVCO's IBA No. 4 is about right, or use a 1:15 tin-lead mix. Don't overlook this fine bullet. It's a good small game and varmint killer with light loads, and excellent for defense with moderate loads. You may want to use it exclusively in .44 Specials or Magnums. The Magnum still shoots well with 10.0 grains Unique, which is hot enough for a wadcutter with this powder.

A new Sako .222 Vixen Sporter, with the new integral magazine, that I pulled from stock for my personal use, was putting the first 3 or 4 shots from a cold, fouled bore in about 0.5 minute of angle. The best load was a 50 grain Speer pill backed with 20.0 grains 4198 kicked off by the new CCI No. 450 Magnum primer. This load gave superb accuracy in two other Sako rifles, and one new Remington M700, in BDL grade, that also has an integral magazine with a hinged floor plate.

I think this is the finest rifle Remington ever made. The 20" barrel, in most calibers, gives it great appeal to me, and it will certainly appeal to many people. I prefer their BDL grade, because of the hinged floor plate.

The 23½" barrel on the Sako was longer than I wanted on a "handy gun." I've cut off many rifle barrels. None ever lost any

(Continued on page 65)



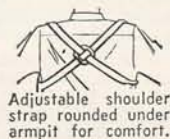
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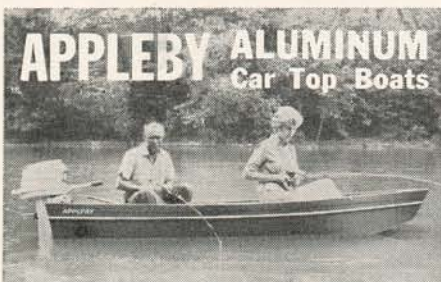
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accuracy, if the job was done right, and many have tightened groups. I had this tube cut to 20" by Bill Mowery, of Jacksboro, Texas. Bill is noted for making fine custom rifles, and does fine custom gunsmithing. Really good gunsmiths do not come in droves. Mowery is one who is worthy of the title. He lavishes the same care on muzzle loading rifles that he does on cartridge pieces, which accounts for many trophies.

The amputated tube on the ultra light Sporter gave even tighter groups, with generally 4 and sometimes 5 shots in 0.5 moa, at 100 yards. My friend, D. L. Cooper, cut his .222 Heavy Barrel Sako to 18", and

also gained a bit of accuracy, plus a gun that is easier to handle. Cooper's load, that has won a good many awards, is 23.0 grains Ball C and the same primers and bullet. He bagged a nice whitetail buck for a clean, one-shot kill with this load the past season. The bullet entered the rib cage and exploded, blowing off the bottom of the heart, and turning the lungs to liquid. The range was about 40 yards. Cooper didn't intend to use this gun, as he correctly considers it too light for deer. He was looking at the gun before the hunt started in the dawn's early light. His buck simply walked into view, and was wearing a tag in a few minutes.

BOY STOCKER

(Continued from page 24)

while, he would even stumble upon a way of doing a job the unorthodox way or one that had not been tried before. One of these projects was the making of his own blueing salts, and as he says, "some of them worked fairly well." When his dad bought a drill press, Ken undertook the job of learning how to jewel a bolt; and next on the list of tools to buy is a barrel jig so that installing sights becomes less of a chore.

During his early days of trial and error, Ken found that his interest in art helped him in his gunsmithing hobby and he now designs his own stocks. He never copies anyone's design, but adapts the ideas that he sees to his own way of working, to his particular likes and dislikes, to the gun he is stocking presently. Like other and more sophisticated artisans, Ken is never quite satisfied with a stock, and feels that if he ever becomes complacent about his work, he had better give it up. "The day I make a stock that satisfies me completely, I think I will retire. If I manage to keep improving a little with every stock, I figure that by the time I am 80 or so, maybe I will make that one perfect stock," says Ken—and he is quite serious about this. The remarkable thing about this young man is that his collection of stocks very definitely shows the evolution of Ken as artist, craftsman, and technician.

A better than average student in school, Ken is also active in student affairs and social activities. He plans to go to college and keep the gunsmithing and stockmaking as a hobby. Ken is an avid reader, and is capable of expressing ideas and thoughts that are not usually associated with a 16 year old boy. His ideas on anti-gun legislation are worth repeating!

"The right to have firearms is not really yours or mine. That is, it is ours only to enjoy, uphold, and pass on to future generations of Americans. We mustn't do away with it, because it is something we should have no power over; it is an American tradition and basic freedom. I consider it and all of our other freedoms something like the air—we can use it, but we cannot take it away from others.

"Another point is that only a small percentage of the teenage population gets into trouble with the law. The high juvenile delinquency rate is caused by this small group who get into trouble time and again—and this is due to insufficient punishment. That is the fault of the adult population, not the teenagers.

"I would like to ask the lawmakers how they think that taking our guns away will make us safer. If the honest citizen is disarmed by a law that he obeys, those who break the law anyway won't worry about breaking this one too. Why not have a law that would punish only those who use a gun in crime? I am disturbed by shooters who say 'It can't happen here.' It could happen. We could wind up fighting a war in our own backyard. Let's not disarm ourselves like England did before WW II, when they had to stand ready to defend their shores with swords and pikes against tanks.

"To those in power, I make a plea. Don't take my freedoms away from me. You may not think them important, but I do and I am not old enough to protect myself with a vote against you. Please preserve these freedoms for me and the future generations as your forefathers did for you."

In his stockmaking and gunsmithing hobby, ingenuity is Ken's forte. How would you install a set of sights without either a drill press or a suitable jig? Ken mulled the problem over for a while, and then jerry-rigged the entire set-up. By using scrap material first, he learned all of the standard gunsmithing operations by guess and by gosh. It is little wonder that he is looking forward to the day when he can devote more time to the actual work, rather than spending hours figuring out how to tackle the job with the tools at hand. But make no mistake: Ken is proud of his ability to do without the "essential" tools, and he is proud that the tools he does have were bought with his own hard-earned money.

Before touching rasp to wood for a stock, Ken draws the entire stock, piece by piece, to scale. His own personal preference in cheek pieces leans toward the heavy, yet elegantly-shaped roll-over, high comb rest... a sort of German schuetzen, but in reverse. Only the actual cutting and rough shaping is done on power tools; the rest of the work is lovingly finished by hand, right down to the hand-rubbed finish.

Ken's local reputation as stockmaker is spreading and shooters bring him their guns for repairs, alterations, or completely new stocks. Whatever money Ken gets for his work, he promptly plows back into the shop, for tools, equipment, books.

As he says "I am a long way from knowing enough to call myself a stockmaker or gunsmith. I am learning something new every time I come down here. But the important thing is that my work improves all the time,

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that my designs get better and better."

After looking over his rifle and shotgun stocks, I must agree with him. He is improving, and his work shows ideas and courage—courage to try, to experiment, to change—as well as growing craftsmanship. Some of his designs show features that other, older heads have touted as great discoveries—but Ken thought them out for himself, unaware of those men or their discoveries. The slope of the cheek piece on one of his stocks struck me as an exaggeration of a theory advanced years ago by one of the leading gun experts. But when I asked Ken about it—yes, he knew of the man, had admired some of the stocks the man had favored, but had never happened to read the man's reasons for favoring those particular lines. Yet, when I asked him why he liked those lines, the reasons he gave me were not much different from the carefully thought-out reasons his predecessor had given.

I promised to write this story only after getting Ken's promise that seeing it published would not "go to his head," would not alter his plan to complete his education. Now that I know Ken a little better—I needn't have worried. This lad has a level head on his shoulders, as well as a craftsman's hands to do the head's bidding.

How often have you heard the complaint that craftsmanship is dying out of the American system? It isn't dying in a certain basement workshop at 5010 White Flint Drive in Kensington, Maryland. Ken Bell is a throwback to the old breed. His hands make beauty.

plates there are 240 photographs of the most prized specimens known. There are chapters on muzzle loading guns, percussion cap and ball arms, pin-fire, rim-fire, plus detailed and comprehensive data on the ammo that was, and still is, used in a number of the Webley guns. This book presents us with a vivid picture of handgun development in England, and the interrelationship of these guns with guns from the other parts of Europe and the U.S. This is a valuable book for the handgun enthusiast, for the student of military arms, for the cartridge collector—in short, for anyone interested in firearms.—R.A.S.

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REMINGTON ARMS CO., Advertising Division, Dept. G, Bridgeport 2, Conn. New 1962 catalog includes pictures, specifications, prices of all Remington models, plus caliber suggestions and ballistics tables for Peters shotgun, rifle, and pistol ammo. Free.

ANNOUNCEMENT

Next month, GUNS will announce a "Questions and Answers" department under the by-line of an outstanding authority on old and new guns, cartridges, and general gun subjects. This is a step we have planned for a long time; now we have the right man for it.

BUT . . . unless your question is identified by your number as a member of our Shooters Club of America (see page 59), it must be accompanied by \$1 (check, money order, or currency) to help cover our costs. Questions and answers will be published or answered by letter.

We hate to impose this charge on our readers, but we simply cannot devote staff time to answering 60 to 80 questions per week free, as we have done in the past. If it is worth asking, a careful, accurate, expert answer is worth a dollar!

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WAFFEN-FRANKONIA, Dept. G, Randerackerer Strasse 3-5, Wuerzburg, West Germany. Their 1962 catalog, "The Hunter's Counselor," 340 pages, nicely illustrated, features sporting arms and accessories of German manufacture; also some items from other European countries and U. S. Some data on German rifle and shotgun ammo is given. Text is in German, prices in German marks; but a 116-page export price list is printed in English. \$3.00 plus \$1.50 for Air Mail delivery.

INDEX OF ADVERTISERS

GUNS and AMMUNITION

| | |
|-----------------------------------|-----------|
| ROBERT ABELS, INC. | 41 |
| BADGER'S SHOOTERS SUPPLY | 52 |
| CASCADE CARTRIDGE, INC. | 54 |
| CENTURY ARMS, INC. | 43 |
| CHICAGO GUN CENTER | 54 |
| COLT'S PATENT FIRE ARMS MFG. CO. | Cover IV |
| WALTER H. CRAIG | 9, 45 |
| EARLY & MODERN FIREARMS CO., INC. | 60 |
| FIREARMS INTERNATIONAL CORP. | Cover II |
| NORM FLAYDERMAN ANTIQUE ARMS | 52 |
| GREAT WESTERN ARMS SALES CO. | 53 |
| HUNTER'S LODGE | 34, 35 |
| KLEIN INTERNATIONAL | 50 |
| KLEIN'S SPORTING GOODS, INC. | Cover III |
| THE MUSEUM OF HISTORICAL ARMS | 58 |
| NORMA PRECISION | 12 |
| NOSLER PARTITION BULLET | 55 |
| NUMRICH ARMS | 51 |
| PARKER DISTRIBUTORS | 52 |
| PENDLETON GUN SHOP | 58 |
| POTOMAC ARMS | 61 |
| PUBLIC SPORT SHOPS | 50 |
| SAVAGE ARMS CORP. | 13 |
| SERVICE ARMAMENT CO. | 4 |
| SPEER PRODUCTS CO. | 14 |
| VALLEY GUN SHOP | 47 |
| WEATHERBY, INC. | 11 |

HANDLOADING EQUIPMENT

| | |
|------------------------|----|
| CARBIDE DIE & MFG. CO. | 61 |
| HERTER'S, INC. | 50 |

MAYVILLE ENGINEERING

| | |
|----------------------------|---------------------------|
| COMPANY | 7, 10, 41, 45, 48, 53, 55 |
| PACIFIC GUN SIGHT COMPANY | 61 |
| HOMER POWLEY | 53 |
| R.C.B.S. GUN & DIE SHOP | 6 |
| STAR MACHINE WORKS | 64 |
| WICHITA PRECISION TOOL CO. | 10 |

HOLSTERS, CASES, CABINETS

| | |
|-----------------------------|----|
| J. M. BUCHEIMER | 47 |
| COLADONATO BROTHERS | 43 |
| GOERG ENTERPRISES | 48 |
| THE GEORGE LAWRENCE CO. | 63 |
| S. D. MYRES SADDLE COMPANY | 58 |
| PACHMAYR GUN WORKS | 62 |
| PROTECTOR BRAND HOLSTER CO. | 53 |
| JULIUS REIVER CO. | 61 |
| SPORTSMAN'S HOME-DE-COR | 62 |
| WHITCO | 49 |

SCOPES and SIGHTS

| | |
|-------------------------|----|
| CRITERION COMPANY | 61 |
| FREELAND'S SCOPE STANDS | 43 |
| W. R. WEAVER | 15 |

TOOLS and ACCESSORIES

| | |
|--------------------------|----|
| GEORGE BROTHERS | 64 |
| THE BULLET POUCH | 45 |
| CRAFT INDUSTRIES | 63 |
| JAY'S GUN'N LEATHER SHOP | 63 |
| JET-AER CORP. | 55 |
| KUHARSKY BROTHERS, INC. | 50 |
| FRANK MITTERMEIER | 60 |
| NEW METHOD MFG. CO. | 45 |

| | |
|-------------------------|----|
| RADIATOR SPECIALTY CO. | 65 |
| WESTCHESTER TRADING CO. | 50 |

STOCKS and GRIPS

| | |
|----------------------|----|
| E. C. BISHOP & SON | 53 |
| C. D. CAHOON | 57 |
| FITZ GRIPS | 58 |
| ANTHONY GUYMON, INC. | 53 |
| HERRETT'S STOCKS | 52 |
| ROYAL ARMS, INC. | 15 |
| SPORTS, INC. | 15 |

MISCELLANEOUS

| | |
|------------------------------|--------|
| ALLEMAND-CHADWICK | 47 |
| APPLEBY MFG. CO. | 63 |
| AUSTIN BOOT COMPANY | 65 |
| EDDIE BAUER | 53 |
| L. L. BEAN | 45 |
| SHELLEY BRAVERMAN | 57 |
| J. BRISKIN | 60 |
| BURNHAM BROTHERS | 42 |
| DARE ENTERPRISES | 62 |
| EDWARDS-BARNES CAST PRODUCTS | 63 |
| FEDERAL INSTRUMENT CORP. | 41 |
| FLAIG'S | 60 |
| GIL HEBARD GUNS | 49 |
| MARBLE ARMS CORP. | 8 |
| MATCH CORP. OF AMERICA | 58 |
| MITCHELL SHOOTING GLASSES | 64 |
| NATIONAL RIFLE ASSOCIATION | 44 |
| PUBLIC SPORT SHOPS | 57, 62 |
| RAY RILING | 55 |
| SHOTGUN NEWS | 48 |
| SIGMA ENGINEERING CO. | 47 |
| STEEN GUN GLOV | 61 |

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U. S. SPRINGFIELD M1903—30/06

SPRINGFIELD M1903'S LIMITED QUANTITY! Most popular military rifle for sporting use of them all... and this lot are all Model 1903-A1's with high number Nickel-Steel barrels—commercially assembled. 30/06 caliber, 8-shot magazine. Adjustable rear leaf sight, blade front sight, 43 1/4" overall, 8.60 lbs. American Walnut stock. Good to Very Good Condition. C20-T1280X. Prepaid \$36.38

E20-T1000, A350. 30/06 150 gr. 120 rounds... \$7.20

WAR SURPLUS!



U. S. M-1 GARAND RIFLE

Finest lot we've seen! Limited quantity! Famous World War II automatic rifle in popular 30/06 caliber, 8-shot, 24" barrel, 42" overall. Adjustable sight. Exactly as issued with original clip type aperture sight adjustable from 100 to 1200 yards. Weight 9 1/2 lbs. C20-T1280. NRA Very Good Condition... \$79.95

GARAND in "LIKE NEW" CONDITION. All specially selected and certified perfect by Milt Klein. C20-T1118 \$89.95

LATE ISSUE!



6.5 ITALIAN CARBINE

Only 36" overall, weighs only 5 1/2 lbs. Shows only slight use, lightly oiled, fired head snap, ready for shooting. Turned down bolt, thumb safety, 6-shot, clip fed. Rear open sight. Fast loading and fast firing. C20-T1196, Specially Priced... \$12.88

C20-T750, Carbine with Brand New Good Quality 4X Scope... \$19.95

E20-T751, 6.5 mm Italian military ammo with free 6-shot clip, 100 rds. \$7.50

SPECIAL PURCHASE! TOP QUALITY!

TASCO VARIABLE POWER SCOPE! . . . 3X TO 9X

Brand new! First quality! Made by Tasco! With a twist of the wrist you can have any power you want from 3 to 9. Field of view 14-16 to 30-ft. Crosshair reticle! Magnesium fluoride lens coated lenses, windage and elevation click stops, parallax corrected, nitrogen filled for fog proofing. Large eye piece and objective. 1" tube, cowhide lens caps. Overall 12" diameter, as illustrated. C20-T1196, Specially Priced... \$34.88

Price \$29.88

VARIABLE POWER SCOPE . . . 2 1/2X to 8X TASCO quality and features same as E20-T693 described above. Crosshair reticle. Compare to \$49.95. Senses elsewhere! E20-T1258X. Prepaid Price... \$29.88

2 1/2X or 4X SCOPE—CROSSHAIR or POST and CROSSHAIR RETICLE. All the quality and features of E20-T693 described plus Fixed Reticle—always accurately centered. Compare at \$37.50 elsewhere! State choice of reticle. C20-T1197X, 2 1/2X or 4X. State Choice. Prepaid Price... \$19.88

\$189.50 Value!



SALE! New Matador 10 Gauge Magnum

SAVE \$60 NOW! But hurry—they won't last! Brand new famed Firearms International MATADOR 10-gauge (3 1/2" shell) Magnum Shotgun. Deep cut price due to slight change in forthcoming model. Made for F-1 by Aya of Spain. Perfect for ducks and geese to 100 yds., for fox and varmint. Shoots either 2 3/4" or 3 1/2" Magnum shells. 32" full choked barrels. Engraved receiver, double safety underlocks. Checkered French Walnut stock and beautiful forearm. 30" overall, 9 1/2 lbs. C20-T772. Certified \$189.50 Mfr's List... \$129.50

E20-T73, 10 Ga. 3 1/2" Magnum Shells, specify BB, B2 or B4. \$7.20 for 25.

SALE! NEW WINCHESTER FEATHERWEIGHT AUTO SHOTGUN



FEATHERWEIGHT Automatic Shotgun. First quality, factory packed. Latest Model. 12 gauge, 30" barrel, full choker, 1-shot. Easy, fast takedown. Select Walnut stock. Weighs only 6 1/2 lbs.; 49 1/2" overall. C20-T1387... \$98.77 plus \$7.50 postage and handling

BRAND NEW! U.S. M1 .30 CALIBER CARBINE



The Rifle Every G.I. Wants! Buy Now!

The only U.S. Military small arms made with the lines and weight of a modern sporter. Weighs only 5 1/2 lbs. 18" barrel, 38" overall. 15 shot semi-automatic. Receiver light. Gas operated. Switch. Plays Perfectly Anywhere! As advertised in LIFE. Guaranteed by Good Housekeeping Magazine! C20-T859-2... \$78.88

justable from 100 to 300 yds. New Condition! Superiorly accurate, 100% dependable.

C20-T859-2... \$119.95

C20-T1341, Brand New M-1 Carbine, Fully Nickel Plated... \$119.95

F20-T32, 15-shot Magazine, 3 for \$1.00; E20-T1192, .30 cal. Military Ammo, \$8.75 per 100 rds.; E20-T55, Hunting Ammo \$6.00 per 100 rds. Minimum order \$5.00.

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Plays Over 300 Hours on Inexpensive Flashlight Batteries!

INCLUDES: • Genuine Cowhide Leather Case with Carrying Strap! EARPHONE for Private Listening! Famed VISCOUNT Quality!

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COMPARE AT \$59.95 ELSEWHERE!

Receives all bands! Broadcast AM broadcasts plus Shortwave 6-18 Mc. Operates on 4 standard flashlight batteries. Weighs only 2 lbs., 10 oz. Showcases black and chrome cabinet measures only 4 1/2"x8 1/2"x1 1/2".

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ALL MILLED PARTS—ALL N.R.A.—Very good or better!

U.S. MODEL 1917 RIFLE .30/06 SPRINGFIELD CALIBER

Famed 30/06 Caliber

The U. S. Model 1917 Enfield is the lowest price rifle in the most desired of high grade Nickel steel that gave it a superbly strong action. General Hatcher further says—"many trials over the years have shown the Model 1917 barrels will always outwear the .03 Springfield barrels." Specifications: 8-shot, top loading, 1 in 10" 5-groove 26" barrel with sharp clean rifling, rifle overall 46.3". Peep sight adjustable from 200 to 1600 yards, blade front sight. Foolproof safety. Turned down bolt. American Walnut Stock and hand guard with sling swivels. All milled parts, perfect shooting condition! C20-T33, M1917 Rifle made by Eddystone... \$29.88

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.30/06 WITH NEW TASCO HIGH POWER SCOPES INSTALLED READY TO SHOOT

C20-T1296, M1917 Rifle made by Eddystone mounted with a Tasco 3 1/4" 4 power scope... \$39.95

C20-T1297, M1917 Rifle made by Remington or Winchester mounted with a Tasco 3 1/4" 4 power scope... \$44.95

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C20-T689, Leather lace-on sheepskin & sling... \$3.95

E20-T1000, 30/06 Metal jacketed ammo, 120 rds. \$7.20

BRAND NEW! FIRST QUALITY!



30-30 or .35 Rem.

DELUXE MARLIN 336C!

With RECOIL PAD, SLING, SWIVELS

THESE MARLINS ABSOLUTELY BRAND NEW, factory packed De Luxe models with full Marlin warranty. Famous Marlin stock with little appreciable wearing of wood. Sporterized stock has good clean lines, balances well—permits fast handling. Rear sight adjustable for windage and elevation, blade front sight. Turned-down bolt handle, solid brass butt-plate. 10-shot removable clip, sling swivels, 44 1/2" overall. 303 Br. Caliber. C20-T1293, Rifle... \$71.88

C20-T1294, Certified \$94.95 Mfrs. List. State 30/30 or .35 cal. Ready to shoot! Famed Tasco fine quality 1" diameter 4X Scope with hard coated magnesium fluoride lenses, click stops for windage and elevation adjustments. Tip-off mounts for quick, simple scope removal. Scope is nitrogen filled stock with little appreciable wearing of wood. Sporterized stock has good clean lines, balances well—permits fast handling. Rear sight adjustable for windage and elevation, blade front sight. Turned-down bolt handle, solid brass butt-plate. 10-shot removable clip, sling swivels, 44 1/2" overall. 303 Br. Caliber. C20-T1293, Rifle... \$94.88

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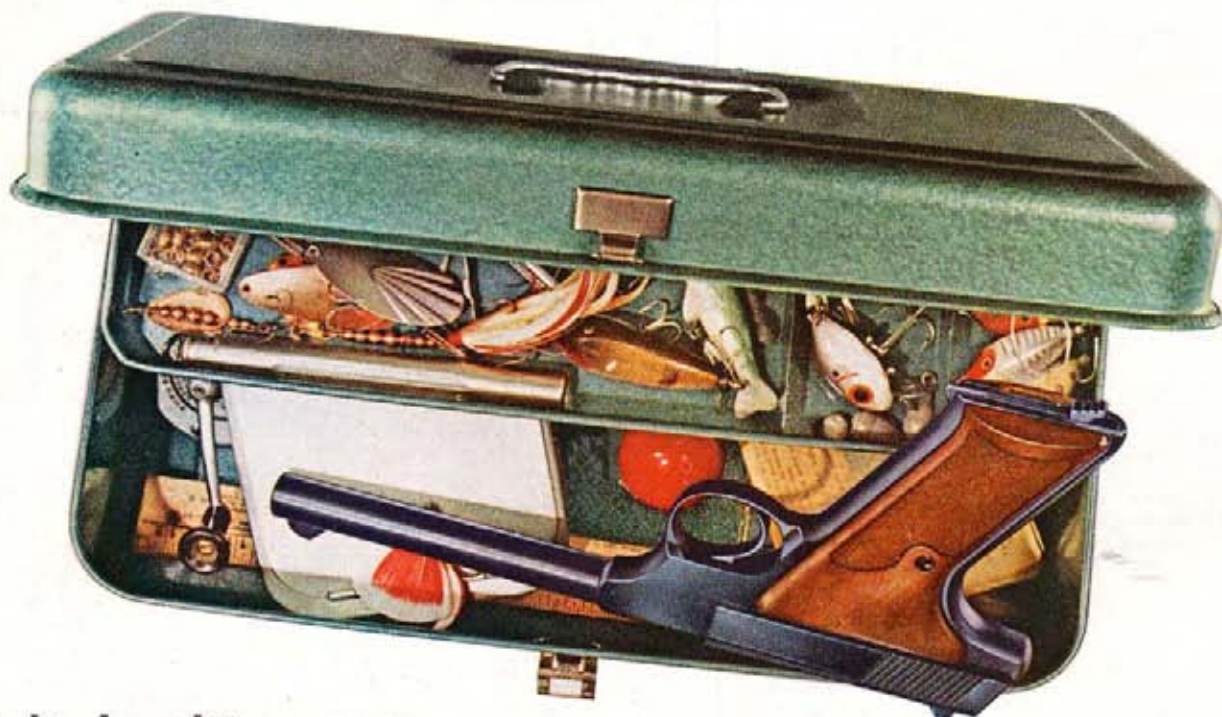
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