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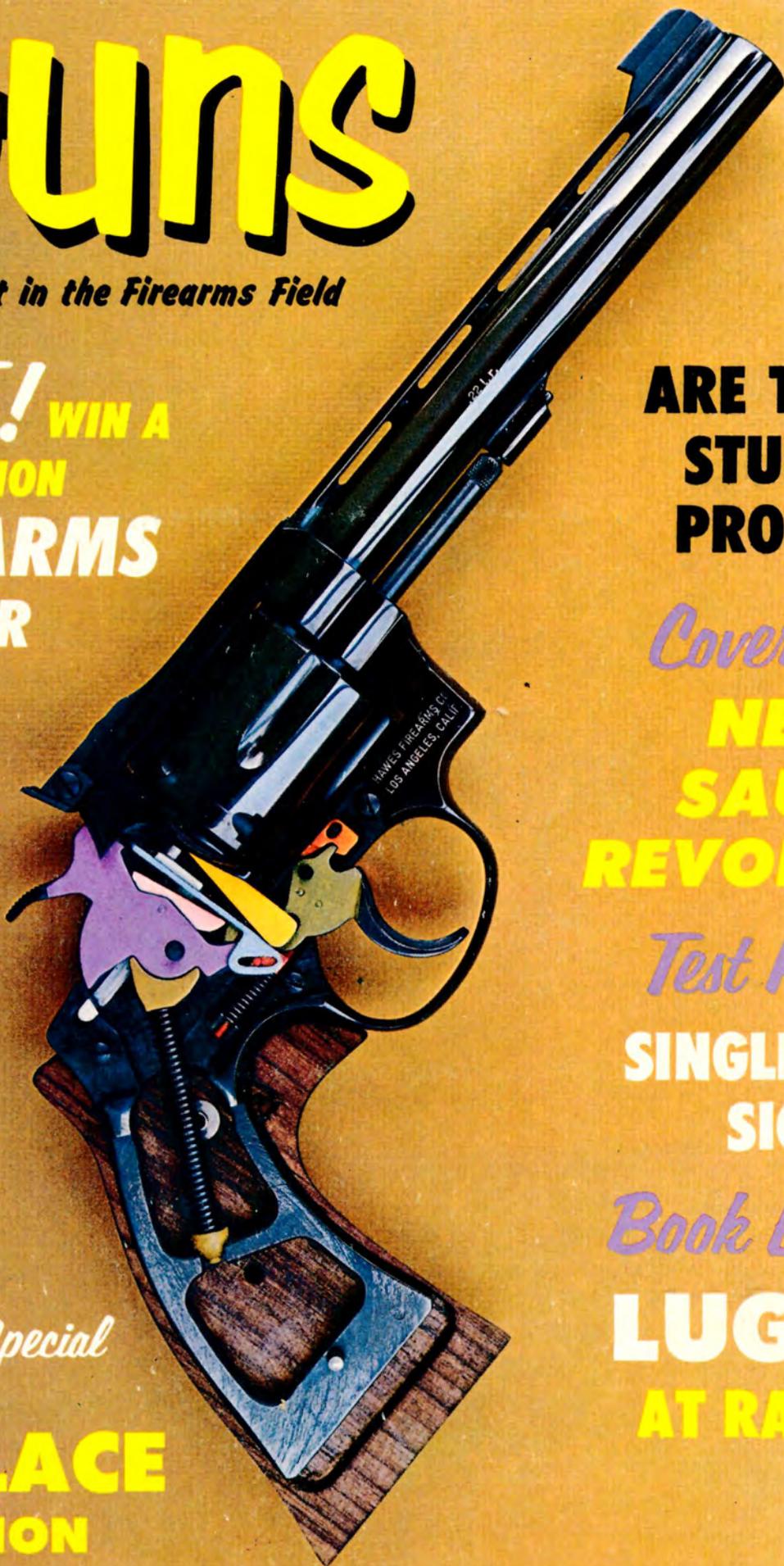
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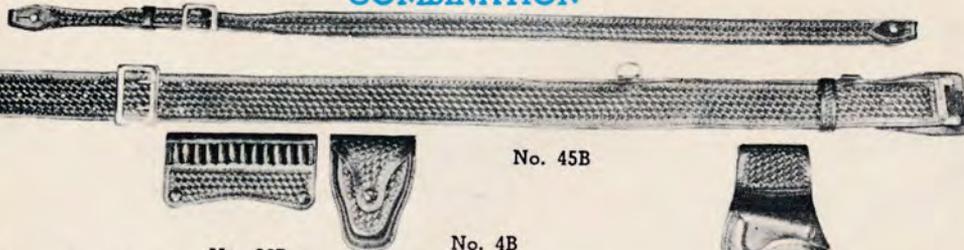
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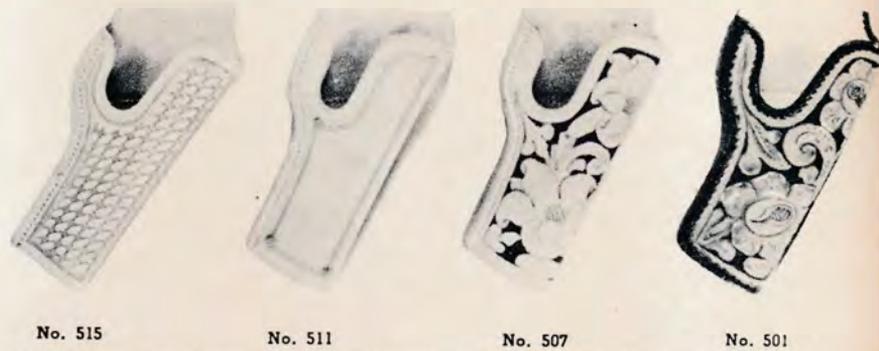
This holster was made especially for Immigration Inspectors and Myres has incorporated features of the #5 Border Patrol Holster plus the exposed trigger guard of the gun with an added plug behind trigger guard to throw butt of gun further from body.
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TRIGGER TALK

THE NEXT issue of GUNS will not only be the first of the new year, it will be the first to reflect some new ideas which we have had for some time, but which will now become a part of the magazine.

To kick off this issue, we will present, in lieu of our regular Free Gun Contest, a drawing for a once-in-a-lifetime hunt. The winner will enjoy a free hunt for an exotic game trophy, free air fare to the hunt, and his trophy will be mounted as a memento of the hunt. Be sure to enter this one.

In the January issue we will begin a regular handgunners column, a regular how-to-do-it feature, and some innovative concepts that we hope will please you.

• • •

Edward H. Hilliard
1922—1970

It is with deep regret that we have to write the following. Edward H. Hilliard, managing partner of Redfield Gun Sight Co. died on August 15th as a result of a mountain climbing accident near Aspen, Colorado. Ed was a unique combination of a nice guy and a strong personality. He was one of the founders of the National Shooting Sports foundation, where he served two terms as its president, and he was active in many organizations concerned with the outdoors, environment, and natural resources.

The sum total of Ed's contribution to the maintenance of shooting and the ownership of firearms will never be known, but I am sure that some of the enthusiastic leadership he displayed will be perpetuated—it had to rub off on a lot of us who were associated with him. He will be missed.

THE COVER

The new Sauer double action revolvers, distributed by Hawes Firearms, are covered in a test report beginning on page 36. The cover shot, by Walter Rickell, shows you an inside look at this revolver.

DECEMBER, 1970

Vol. XVI, No. 0-12

George E. von Rosen
Publisher

Guns

FINEST IN THE FIREARMS FIELD

CONTENTS

FEATURES

GUNS IN THE WALLACE COLLECTION Probably the finest antique weapons	18
GOLD! Gold, oil and land rushes have brought many guns	Charles J. Keim 22
SPEER LOADING MANUAL The latest and most complete from Speer	Mason Williams
GUNS AND TODAY'S STUDENTS Are they compatible, and where we are headed	L. Craig Wilson 26
SINGLEPOINT SIGHT A revolutionary new sighting device	Col. Charles Askins 29
FIVE GUN DEALS Memoirs of a gun buff	E. F. Donnelly 30
WANTED: TRICK AND FANCY SHOOTERS What it takes to be a "crack" shot	Col. Charles Askins 32
THE BROWNING .22 AUTO An in depth look at this sleek little rifle	John D. Rockefeller 34
SAUER DOUBLE ACTION REVOLVERS This latest offering from Hawes is a winner	Walter Rickell 36
LUGERS AT RANDOM Excerpts from an excellent book	40
FREE GUN CONTEST Win a free Navy Arms 1852 Remington	44

DEPARTMENTS

Shooters Club of America	5	Our Man In Washington .. Carl Wolff	52
Crossfire	7	Shopping With Guns	64
Handloading Bench .. George Nonte	8	Arms Library	66
Questions & Answers	12	Gun Rack	68
Point Blank .. Charles Askins	16	Index of Advertisers	75
Pull .. Dick Miller	46	The Gun Market	78

Jerome Rakusan Editor
Harold A. Murtz Associate Editor
E. B. Mann Contributing Editor
Col. Charles Askins Shooting Editor
Maj. George C. Nonte Handloading
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Robert Mandel Antique Arms
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Col. Rex Applegate Police
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Les Bowman Hunting
Don McEvoy Sales Manager
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Irving Karchmar Advertising Sales
M. Gross Ass't Circulation Mgr.
Sally Loges Subscription Mgr.



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News from the...

SHOOTERS CLUB OF AMERICA

Dedicated to the Constitutional Right of Every Citizen to Keep and Bear Arms

The September 11th, WALL STREET JOURNAL had a front page feature article about the outstanding organizations working for the defeat of unworkable gun laws. We are proud that GUNS MAGAZINE and its editor, Jerome Rakusan, received front page mention. The article said that the Congressmen and Senators who voted for the anti-firearms laws are starting to yell hurt now that the sportsmen are letting them know how they, the sportsmen, will vote. This is exactly what the SHOOTERS CLUB OF AMERICA had been working for; the Congress has given the sportsmen a lot of trouble and now it is our turn to give them some trouble in return. The Congressmen will learn that they cannot ignore the 42,000,000 adults who own firearms. The 21,000,000 sportsmen who buy hunting licenses every year. Plus the 10,000,000 active sport shooters who compete in contests but do not buy hunting licenses. Many Congressmen have helped with the enactment of stupid, short-sighted laws for the harassment of honest firearm owners, and now the many rotten eggs they have layed are hatching in their own back yards.

At this very moment some Congressmen are thinking about a new law that would cause the honest sporting shooter more aggravation. Most Congressmen are worried about the recent terrorist bombings, and rightly so, but the solution they are talking about would be equally as destructive. Most Congressmen equate bombs with explosives, and they lump all explosives together. They then come to the conclusion that if there is a law against the sale of explosives to the public then there will be no more bombings.

Unfortunately, things are not that simple. A prohibition against the sale of explosives would create massive hardships for the whole reloading industry. And it would have absolutely no effect on the rate of anarchist bombings and attacks.

What most Congressmen do not realize is that there is a great difference between an *explosive* and a *propellant*. You can make a bomb out of either, but for sporting purposes you must have a propellant. This is a substance that will explode with an evenly controlled expansion of force. An explosive can be any number of substances which have the ability to release their energy quickly. They usually explode with wild variations in temperature and force, and if you were to use them in a firearm, the firearm would

explode in your face. The powder that is used by sportsmen for reloading and shooting is a propellant. It is manufactured under sophisticated and controlled conditions so it will have highly predictable characteristics. This enables the sportsman to have a safe source of energy. However, to make a bomb, all you need is a good explosive. An explosive can be made from any number of common and readily available items.

What does this mean? It means that if the Congress enacts a law against the sale of powder to private citizens, then the whole reloading industry would be put out of business. All the companies that have reloading machines and components would have to close their doors. The millions of dollars in reloading equipment in the hands of private citizens and on the shelves of sporting goods stores would be useless. The growing and admirable sport of black powder shooting would be eliminated. The companies who sell and manufacture black powder firearms would be in serious financial difficulty. We, the taxpayers, would have to support another law that only hurts the activities of honest sportsmen. And the number of anarchist bombings would not be reduced in the slightest, because the SDS and the Black Panthers (as a matter of record) are already making and using explosives, not propellents.

The Congress always thinks that some half-thought-out law will completely solve the problem. We, the honest and concerned citizens, must let our representatives know that a prohibition on the sale of propellents would only hurt the sportsmen. The SHOOTERS CLUB OF AMERICA, with its representatives in the Capitol, are doing their part to both inform the Congress about the complexities of the problem, and working to find some solution that would genuinely help put the guilty people behind bars where they belong. We at the Club are privileged to represent our many outstanding members. And we have been gratified at the substantial growth of the organization during the last year. There is no doubt that the SHOOTERS CLUB OF AMERICA will very shortly be an organization to command respect from the highest posts. Now is the time for you to join. Fill in the card on this page and send it in today. In the years to come, you will value it as one of your best investments.

Col. E. R. Becker

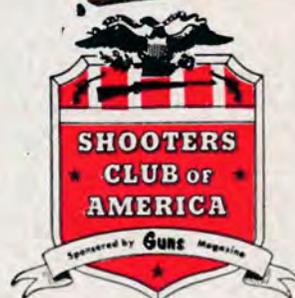
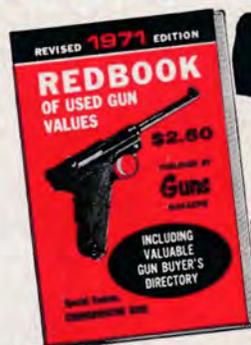
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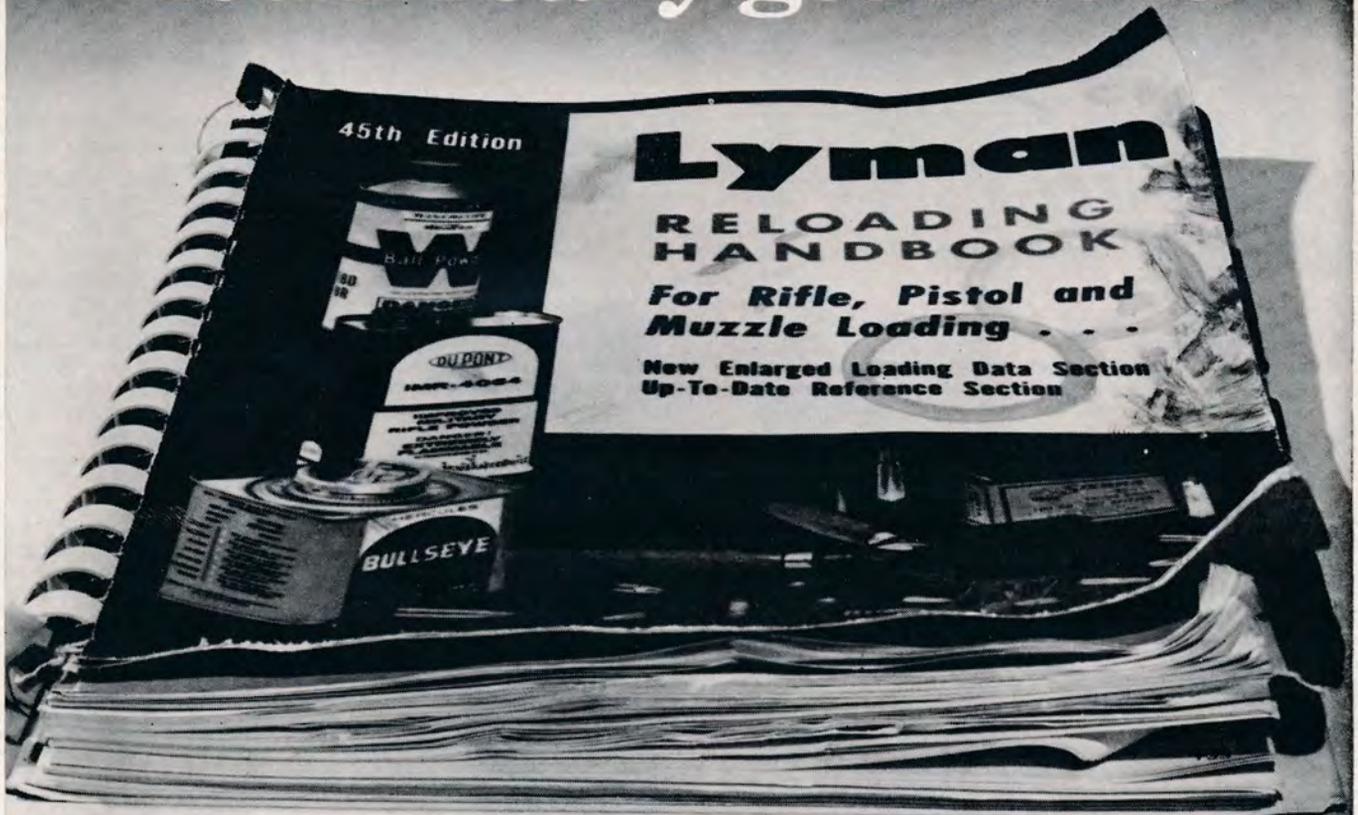
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I do not wish to take fertilizers away from the farmers, but I would like to explain that explosives are quite easy to obtain. Go to your local garden shop and find out for yourself!

Frank B. Stein
Mt. Carmel, Ill.

Suspicion

Concerning the letter from Dan Andrews in the August issue. I would guess that he is a collector of the Japanese replicas of real guns. I have long been suspicious of any New York address and would deal only with a well-known dealer or collector from that left wing area.

Gordon Harris
San Diego, Calif.

Omission

I found Major Nonte's article "Artillery with Wings" in the October issue very interesting and informative. I am aware, of course, that it is the author's prerogative to record and lay stress on those things he believes to be important, and in general I agree with the Major's presentation. I must, however, express my surprise at his omission of what I believe to be two representative weapons—first, I have in mind the 75mm gun installa-

tions in the G and H models of the WW-II B-25 Bomber which entered service in the spring of 1944. But I am more surprised that a current weapon, 20mm at that, escaped his mention.

I refer to the Mark II gun which is manufactured for the U.S. Navy by the Hughes Tool Company in Culver City, California. Although Major Nonte did not mention this weapon he did picture it—the two pictures on the first page of his excellent article, show the Hughes Mark 4 Mod 0 gun pod installed on the Navy A-4 aircraft.

Although I am not too familiar with this weapon, I do know it is a very interesting design combining features of the M-39 and M-61 cannon—it has a revolving cylinder and two barrels.

The weapon, as installed in the gun pod achieves a rate in excess of 4000 rounds per minute.

Nathan N. Shiovitz
Santa Ana, Calif.

Winner

I was quite surprised and pleased to receive your letter concerning the H & R 404 shotgun. Thanks very much.

The letter did not give any choice of options, however if I may suggest, I would prefer the gun in 12 gauge with 28 or 30 inch barrels bored mod. and full.

I am looking forward to receiving the shotgun and anticipate many enjoyable hunts for ducks and geese in this seacoast area.

James M. Brightenti
Major USAF

Help!

I am a subscriber of your fine Guns magazine and I need some help. I would like to correspond with a young American having interest in firearms. I am a gun buff, gun collector and hunter. I am 18 years old. Thank you very much.

Jani Hartman
Celje
Toncke Ceceve 7
Yugoslavia

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HANDLOADING BENCH

By MAJ. GEO. C. NONTE

OVER THE YEARS quite a few Russian Tokarev (TT M-1933) 7.62mm autoloading pistols have wandered into this country. Little known here before WWII, this gun actually originated in 1930 when it was adopted in its first form by the Soviet Army as the TT M-1910 to replace the old Nagant gas-check revolver of 1890's vintage. It reached its final form in the 1933 version which remained the Soviet standard until replaced by 9mm PM (Makarov) in the middle-late 1950's.

A good many Tokarevs were brought back by returning U.S. servicemen during and after WWII. Many were acquired in Germany where they had wound up after being captured by the Wehrmacht during its early victories on the Eastern Front. More were acquired by various means after Soviet and U.S. troops made contact at the end of the War. That was only the beginning, for since shortly thereafter, U.S. troops have been almost continuously in contact with Soviet-armed forces of one sort or another. During the Korean and Vietnamese wars, countless thousands were captured. Thousands more came in as a result of being captured by other armies in various actions such as the 1967 "Six-Day-War" in the Sinai. Everywhere serious fighting takes place, it seems Russia or its satellites have armed one side or the other and more Tokarev pistols are liberated.

With one exception, all the Tokarev pistols, regardless of whether produced in Russia or a satellite country,

are chambered for the "7.62mm Type P" cartridge designed concurrently with the pistol by Fedor V. Tokarev. As a matter of fact, Comrade Fedor did very little "design" on the cartridge. He simply copied the already successful and popular 7.63mm Mauser round. Mauser M-1896 7.63mm pistols were widely used by the Bolsheviks during the Russian Revolution, so its effectiveness was already well known.

Minor differences do exist between the Mauser and Tokarev cartridges, but they probably result from differences in manufacturing tolerances and practices rather than any deliberate effort to make them different. For all practical purposes, the two may be considered interchangeable. Most Tokarev 7.62mm pistols will accept and function correctly with both European and U.S. 7.63mm (.30) Mauser ammunition. This simplifies shooting the "Toks", since Russian ammunition is conspicuous by its absence in this country. All Soviet Bloc Tokarev and European Mauser ammunition I've encountered has been Berdan-primed. Fired cases from same are technically reloadable, but acquisition of proper primers and the de- and re-priming operations make it a somewhat onerous chore.

The Tokarev cartridge can be easily reloaded if you simply dig up a supply of U.S.-made 7.63mm Mauser cases; either new or fired. If empty cases aren't handy, factory loads will function fine in your "Tok" and produce the requisite brass.

(Continued on page 11)

Tokarev Loading Table

Bullet	Powder	Velocity
77 gr. FJ .32ACP	5.5 gr. Unique	1500 fps
86 gr. FJ	5.2 gr. Bullseye	1410 fps
86 gr. Norma SP	5.3 gr. Unique	1345 fps
93 gr. Norma SP	5.4 gr. Unique	1340 fps
100 gr. Speer Plinker	4.7 gr. Bullseye	1250 fps
100 gr. Hornady SJ	4.8 gr. Bullseye	1250 fps
89 gr. Lyman 308244	4.5 gr. Bullseye	1170 fps
89 gr. Lyman 308244	6.0 gr. Unique	1300 fps
80 gr. .32-20 SP	6.0 gr. Unique	1350 fps
110 gr. .30 Carbine FJ	5.5 gr. Unique	1250 fps
115 gr. Lyman 3118	4.3 gr. Bullseye	?
115 gr. Lyman 3118	5.5 gr. Unique	1250 fps

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As a gun owner, you know that the best shooting is enjoyed by gunners who know how to shoot accurately and handle their guns safely, and that the best hunting is made possible by good conservation and good game management practices. And as a shooting enthusiast, you are certainly aware that in the name of "gun control" there are some well-intentioned but ill-informed people who are anxious to erode the gunning and hunting privileges that you enjoy today.

For 99 years, the National Rifle Association has consistently promoted better education in shooting skills and firearms safety, better conservation, better game management, the development of better gun-sports equipment and the protection of shooters' privileges.

These were the basic aims of NRA's founders, and they remain to this day, the basic aims of this national, non-profit organization.

All the other benefits that NRA offers its membership—warm, good fellowship, friendly competitive tournament shoots, awards for hunters, firearms information and many, many others—are simply the evolutionary by-products of nearly a century devoted to serving the best interests of America's responsible gun owners.

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Never before in history has the threat to the rights and privileges of responsible gun owners been so great as today! Never before have *you*, as a responsible gun owner, needed NRA's efforts to preserve and protect your shooting interests as today! And never before has NRA needed *your* active, cooperative support as today!

NRA's responsibilities to you as a shooting enthusiast are never ending, and must be maintained on a *continuing basis*. To achieve this, NRA has set a goal of one new member every minute, around the clock and around the calendar. Let's start our march to this goal by signing *you* up for NRA membership—right this minute!

NRA has to win it— one new member every minute!



Here are a few of the dozen or more benefits you'll enjoy as an NRA member: An annual subscription to "The American Rifleman," the illustrated monthly magazine that entertains and educates more than a million sportsmen-readers • Prompt answers by experts to all your firearms questions • Firearms safety courses from which over 3 million shooters have benefited • Hunting information in the form of bulletins on gun laws, hunting dates, game availability, shooting preserves • Low cost gun and personal accident insurance • National, regional and local recreational shooting tournaments • Annual awards for hunters in all categories • The brand, spanking new directory of qualified and approved hunting guides, outfitters and hunting camp operators in North America—and *much, much more!*

So, Mr. Sportsman—if you *really care* about preserving—now and *in the future*—the shooting privileges and freedoms you enjoy today, you owe it to yourself to join and support NRA—the big, strong, long-established organization that, in cooperation with many other leading organizations, is so effectively fighting to maintain these freedoms for you!

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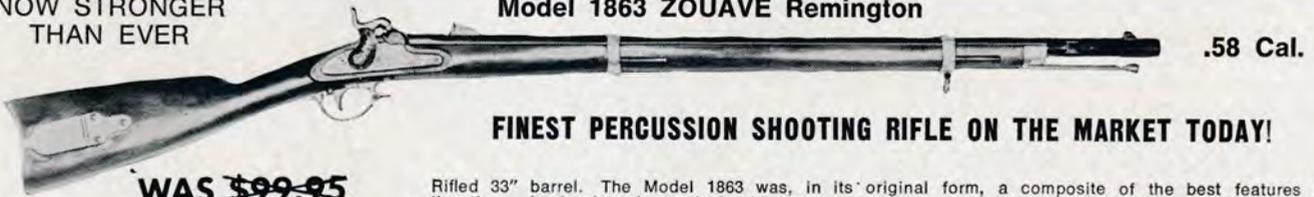
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HANDLOADING

(Continued from page 3)

Many (actually most) Tokarevs will chamber cases that have been resized in standard 7.63mm Mauser dies. Some, though, will not—the chambers being just a wee bit too short in body, preventing the slide from going fully into battery and locking up solidly. For those guns, RCBS (Box 729, Oroville, Calif.) produces a special Tokarev die that will resize cases so that they will chamber correctly in any Tokarev. Reloading, once proper dies are available, is the same as for any other rimless, bottle-neck pistol caliber. It is just a matter of keeping the loads within the capabilities of the gun.

One problem is that major U.S. manufacturers have recently announced discontinuance of the 7.63mm Mauser cartridge. I hate to see this happen, but doubtless they have good, sound, economic reasons for doing so. Anyway, when present stocks disappear from the shelves, there won't be any more. So, if you anticipate a need to shoot either a Tokarev or a '96 Mauser in the future, now is the time to lay in a supply of either ammunition and/or cases.

If you can't locate cases, all is not lost. First, Berdan-primed brass can be reloaded if you lay in a stock of the correct primer—which can usually be obtained from the Alcan Company, 3640 Seminary Road, Alton, Illinois, 62004. Or, if you care to go to the trouble, Berdan-primed cases can be altered to accept and function correctly with standard U.S. Boxer-type primers. It's a good bit of work, but not difficult once the proper tools have been made for the job. There isn't enough space to go into the details now, but we'll cover them in these pages at some later date. A more practical solution, which required no special tools, (aside from what any handloader already has on hand) consists of forming your own cases from once-fired .222 or .223 Remington brass. This consists of running the case fully into a full-length 7.63mm resizing die; trimming it to correct length (0.99"); and reaming the neck walls to approximately 0.010"-0.012" thickness, or, until the case will chamber freely with a .308"-.309" diameter bullet seated. Annealing the formed case mouths will extend their reloading life but is not otherwise necessary. Cases thus formed will be a slight bit undersize at the head, but the heavy, thick web will prevent them from

(Continued on page 62)



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Panel of Experts

1. Each question should be sent directly to the panel member best suited to solve your problem. Mail questions directly to the expert at the address shown below.
2. Each question—only one question per letter, please—must be accompanied by a self-addressed stamped envelope and \$1.00.
3. You will receive the answer to your question directly from the expert. Our panel will select the most interesting questions for publication in this column, but you don't have to wait for the magazine to get your answer.
4. Letters with questions which do not have \$1.00 will be disregarded; those without a self-addressed envelope will be answered in the magazine, and not directly.

We have enlarged the staff of our Panel of Experts to give you the best possible service on your questions. Remember, write directly to the expert at the address below—do not send questions to GUNS Magazine—and be sure to include the \$1.00 and the self addressed envelope.

Robert Mandel—Antique Arms

P.O. Box 499, Wilmette, Ill. 60091

Shelley Braverman—Modern Arms; Forensic ballistics

Dept. Q, Athens, New York 12015

William Schumaker—Gunsmithing

208 W. Fifth, Dept. Q, Colville, Washington 99114

Les Bowman—Hunting

Box 286, Bountiful, Utah 84010

Maj. George C. Nonte—Handloading

P.O. Box 3302, Dept. Q, Peoria, Illinois 61614

George E. Virgines—Fast Draw

P.O. Box 2014, Northlake, Illinois 60614

Maj. R. O. Ackerman—Black Powder Shooting

9627 Arvada Ave. NE, Dept. Q, Albuquerque, New Mexico 87112

Dick Miller—Trap & Skeet

Casa Correo Sta., P.O. Box 21276, Dept. Q, Concord, Calif. 95421

Case Cleaning

My question concerns a recipe for case cleaning. I have tried several methods and compounds and have tried soaking the cases in citric acid but do not find this satisfactory. I am not equipped to tumble the cases or to clean them with hot sulfuric acid.

If possible, could you suggest a method to duplicate results obtained with Case-Bright?

Thomas E. Griffin
New Orleans, La.

You can probably obtain the results you wish in cleaning cases by using a 2% solution of sulphuric acid to which a very slight amount of chromic acid has been added. The cases must be kept separate from each other or they will spot where they touch. This is best accomplished by bending a small wire "tree" from stainless steel and inverting the cases over the prongs. Dip the cases in the acid solution only a few seconds, then rinse in clear running water. Two or three dips may be necessary to completely clean badly corroded cases. Final neutralization of the acid is best accomplished by using hot water in which a couple ounces of baking soda have been de-

solved. A thorough rinse in this will leave the cases warm enough to air dry rather quickly. Use extreme care in mixing and handling the acid solutions.—G.N.

Winchester 21

I am in possession of a Winchester Model 21 shotgun. It has 26" matted rib barrels, red bead front sight, selective single trigger, non-automatic safety, checkered pistol grip and wood butt and checkered beavertail forearm. What is the present market value?

Thomas R. Urban
Romulus, Mich.

Your description fits a Standard Grade 21 (as no mention of any engraving) and in excellent condition should have a market price, today, of about \$1,200 - \$1,400.00.—S.B.

Gras Rifle

I have an 1866 11mm French Gras rifle with perfect bore and excellent action. I am shooting it with 75 gr. of Fg and a 385 gr. cast and lubed bullet of .457 diameter. I would like a smokeless powder load for this gun

(Continued on page 15)

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of this hand-engraved .38 revolver



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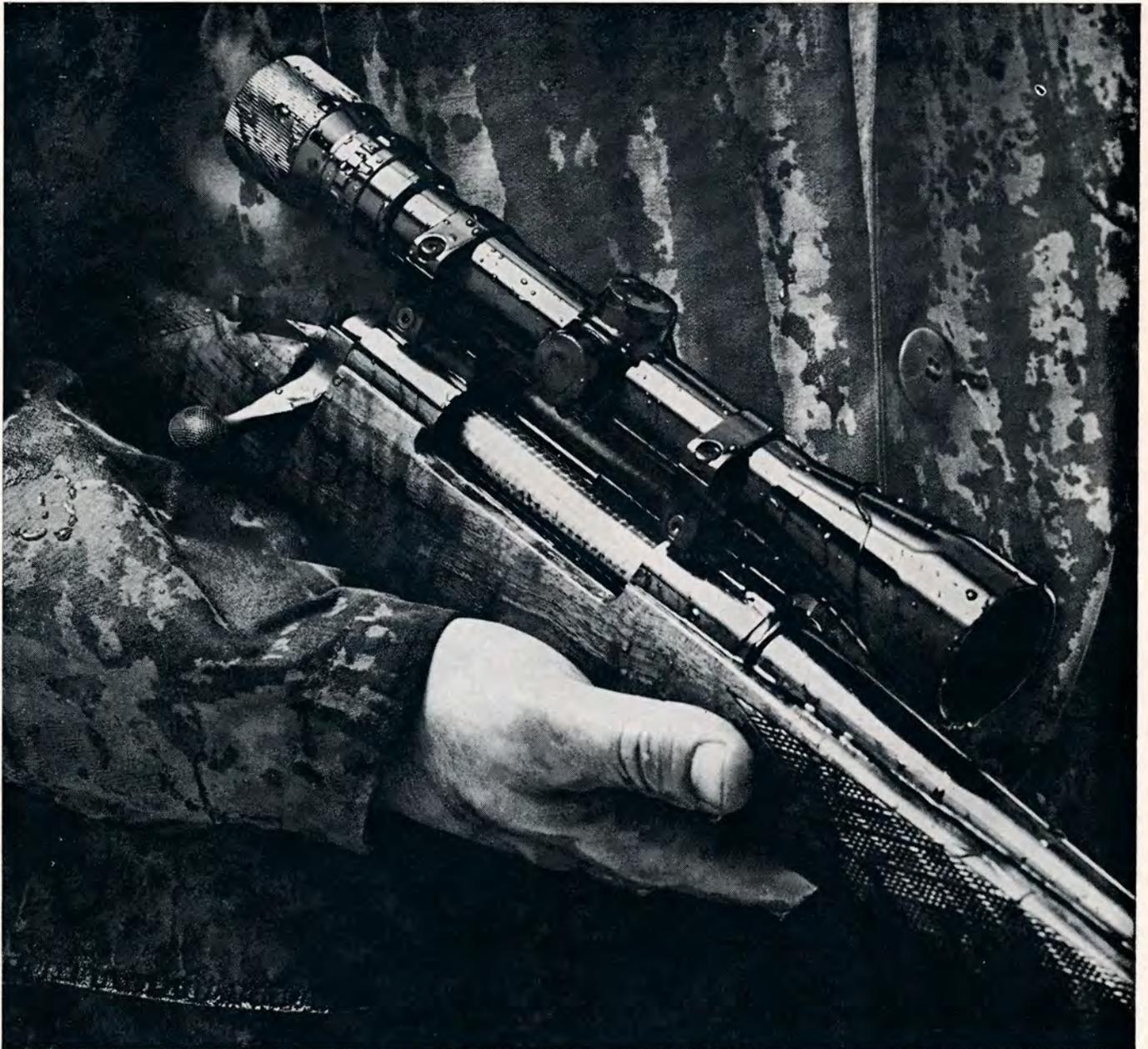
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OPTIMUM OPTICS—OPTIMUM RELIABILITY

(Continued from page 12)

and do not mind reduced loads to a certain extent.

Wm. A. Wagner, Jr.
Monona, Wisc.

You will find some information on the Gras rifle in "French Military Weapons", by Major James E. Hicks. The original load, I believe, was a paper-patched 386 grain bullet and 80 grains of black powder. Although I am not a consultant on smokeless loads and can not accept responsibility for anyone else's experimenting, I would feel that any load recommended for an original trapdoor Springfield should be all right for the Gras. The trapdoor is not a strong action, and the cartridge is fairly close to yours in caliber and capacity.—R.O.A.

Skeet Guidance

Could you please tell me where I might obtain information on getting started with the sport of skeet. How might I begin with proper guidance etc.?

Roy R. Davis
Flushing, New York

I would suggest that if you show up at any skeet club, and express a desire to learn how to shoot the game, you will have no shortage of instructors. This is possibly the best way to learn.—D.M.

.405 Ammo

Can you tell me where I can obtain ammunition for my Winchester Model 95 in .405 caliber?

R. O. Deck
Palo Alto, Calif.

At times it is possible to obtain .405 Winchester cases from Robert Pomeroy, 45 Wyoming, Waterbury, Connecticut. These cases are made by expanding and re-drawing .30-40 brass and stand up quite well. An alternative is to utilize Norma or Speer/DWM 9.3X74R brass. Trim the case to length, expand neck to hold .410", then increase effective thickness of the rim by peening it forward slightly. The latter is necessary to eliminate an excess headspace condition that will be produced if the rim is used in its original form. The 9.3mm rim is roughly .020" thinner than that of the .405.—G.N.

.32 Long

My question is: Will .32 caliber automatic cartridges fit my Model 1935 A.S.A.C.M. (French-made) automatic pistol which is chambered for .32 Auto Long cartridges and fire in it without harm to the pistol or myself?

To better re-phrase the question: Are the above described cartridges interchangeable?

Barry D. Dortch
Odessa, Texas

I'm not familiar with the French automatic pistol you have. In order to definitely determine if or not the cartridges would interchange, I would have to see them. To my knowledge, there is no such thing as a .32 Auto Long cartridge in the United States. If there is a foreign version, it is undoubtedly of different dimensions and they could not be interchangeable. This type of auto cartridge headspaces on the front edge of the case mouth and the slightest difference in length would cause failure, or at least some difficulty.—W.S.

Damascus Shooting

Can you give me the recommended loads for shooting black powder shotgun shells for guns having sound damascus barrels? I am interested in 12 gauge light trap and field loads.

Hoyt E. Hart
Norman, Oklahoma

I am sure you realize the advisability of exercising moderation in the firing of old damascus barrels, regardless of how sound they may appear upon superficial examination. Remember that slag and other flaws are seldom apparent on the surface. Now that this has been said, some of these old timers undoubtedly have years of service left in them, and they are a lot of fun. We usually think of your suggested load of 3 drams of powder and 1 ounce of shot as a good medium load (for light field use) for a 16 gauge. Therefore, this would serve as a light black powder load for 12 gauge. An average light load in that gauge would be 3½ drams and 1½ ounce, while 3¾-1½ is considered a medium 12 gauge load. For your purpose, I would consider that a maximum load—and preferably stay below it. I would use FFG black powder for this.—R.O.A.

Ballistics Career

Do you know of any careers that deal with Ballistics, for example, Ballistics Expert. Also, are there any schools that deal purely with this subject?

Jim Wirtanen
Nashwauk, Minn.

I know of no schools, available to you, for the study of firearms "ballistics." Police Laboratories and other governmental agencies usually acquire their expertise by on-the-job training; thus you would first have to be a policeman and then be assigned to the "ballistics squad."—S.B.

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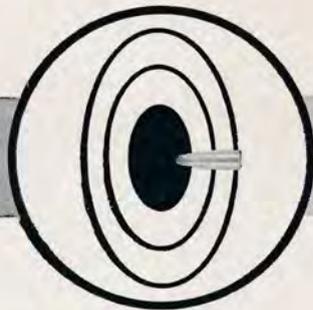


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POINT BLANK

By COL. CHARLES ASKINS

WILL A COW eat an empty shot-shell? And if she will, does it kill her? Also pigs may eat the empties and if they do what happens to them? It is also rumored that horses sometimes gobble up the bright new plastics and with lethal after-effects. Texas ranchers are wrathful about the dangers of their livestock ingesting the polyethylene casings. The stories making the rounds is that the plastic hulls are poisonous and that there is something about the taste of the shell that makes it especially attractive to range animals.

One of the gunning mainstays in Texas is the ubiquitous mourning dove. These birds are shot around waterholes, in passes where the game moves between water and feed and in grain fields. A while after the dove season folds, quail come into shooting time. This contributes to a lot of empty shells not only around the earth tanks where the game and the cows drink but scattered through brush and field. That cattle might be inclined to pick up the bright green, red or yellow object, chew it and find the taste to their liking seems pretty logical.

You find a lot of ranchers who insist that every spent cartridge has got to be retrieved and carried away. If they visit a shooting ground and find as many as three or four cases lying about they get mighty irate. Some have closed their places to all hunting and others are considering doing the same thing.

I hunt with my horse doctor. My vet owns a ranch deep in the dove country. He takes no stock in the stories bandied about that range stock is harmed if they eat some of the shotshells. When we shoot on his range we do not gather up any of the fired shells. Says Doc: "This is just an old wives tale that cattle are eating the new plastic shells and it is killing them. I have performed autopsies on a lot of cows and in the course of these examinations have opened up several stomachs. I have found rocks, sticks, pieces of metal, lengths of barbed

wire, cloth, paper and bottle caps but never either a paper or a plastic shot-shell. The foreign matter in the stomach had nothing to do with the cow's demise."

Apparently the stories about the harmful effects of the new polyethylene casings has spread beyond Texas because both the big ammo companies had heard it. One of them had a series of experiments conducted by a team of veterinarians and in the course of their tests they force-fed a small herd of cattle, inducing them to accept the plastic shotshells. This produced no adverse nor visible effects except that the cow very often regurgitated the shell. Actually polyethylene is an inert substance and not only is harmless to animals but to humans as well. The vet team tried to get the test animals to pick up the empties voluntarily but could not induce a cow to eat a single shell.

The other ammo manufacturer got the Squibb laboratories into the picture and they also conducted tests on a bunch of range cows. They found out there was nothing toxic about the polyethylene and they also could not get a cow to eat a shell willingly. They had to be forced down and then were quite often regurgitated. It was discovered, however, that when cattle are suffering from a phosphorous deficiency they will eat wood, pieces of metal, empty shells to include not only paper and plastic but metallics as well. The most of this matter is passed out of the stomach in normal excretion.

A check on a local packing plant and a pow-wow with the butchers disclosed that cattle do fill their stomachs with a lot of trash. As my vet said it will include stones, wood, wire, bottle caps and pieces of metal. The butchers also find shotshells. "This stuff in the cow's stomach doesn't do any harm to the critter," the head meat-cutter stated. From all this it would appear that the concern of the owner for his livestock is feeding on a gaggle of wild tales that have no

(Continued on page 59)



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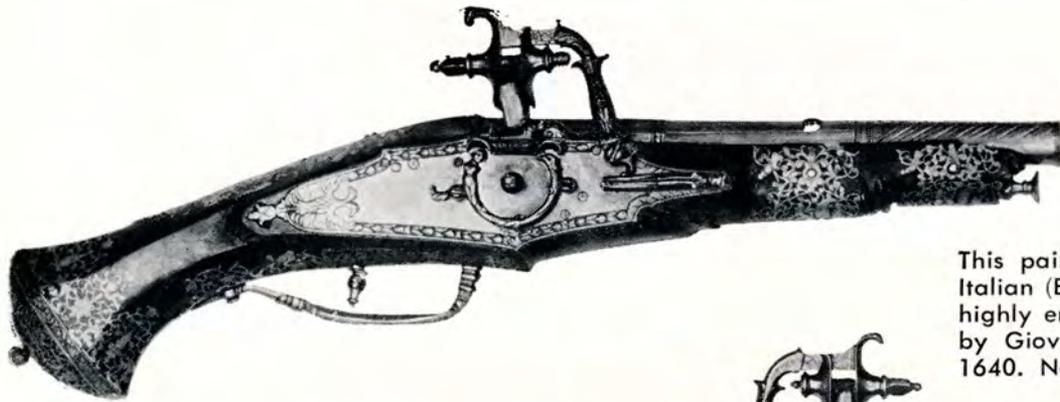
Pumpmaster 1400. .22 Cal. Pellet Air Rifle. Controlled power. Solid steel barrel. Hardwood stock. Low cost, high performance shooting. About \$36.95.



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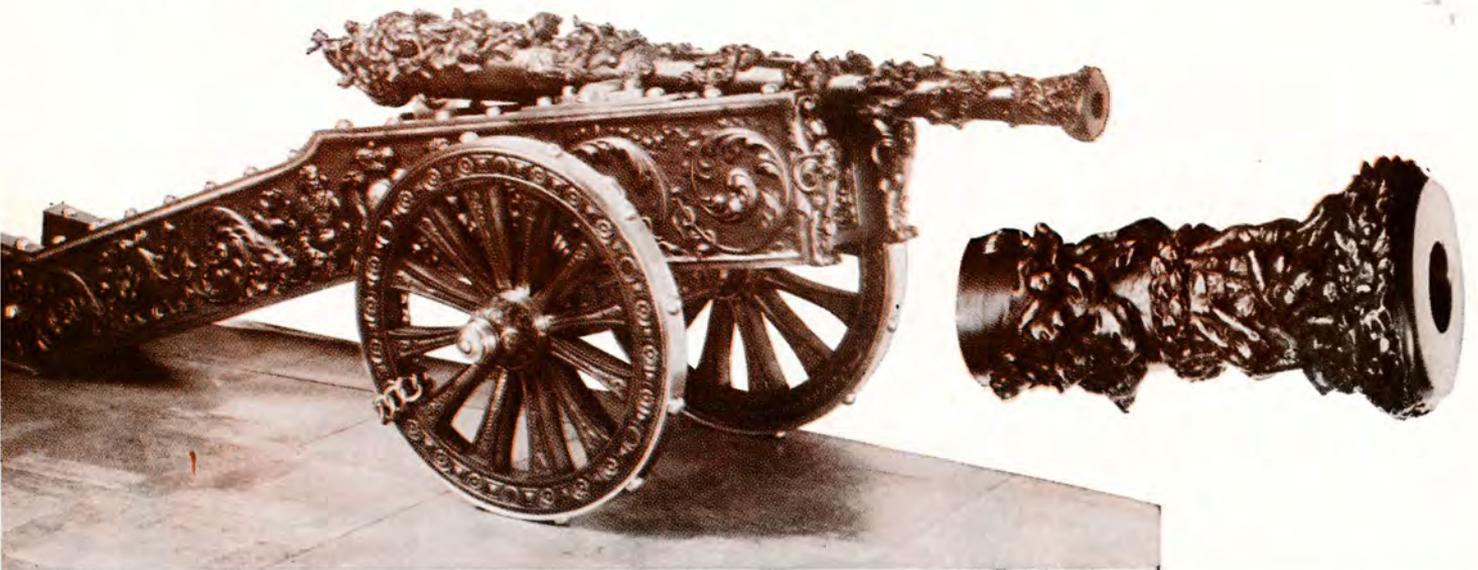
THE WALLACE



This pair of Wheellock pistols, Italian (Brescian) manufacture, are highly engraved and inlaid. Made by Giovanni Battista Francino in 1640. Note the fine workmanship!



This bronze cannon was cast in high relief and decorated in Baroque style from breech to muzzle. It is signed by G. Mazzaroli, 1688. Made in Venice. Its carriage is of carved walnut enriched with fine touches of gold inlay. The close-up of the cannon's muzzle illustrates the high amount of detail work.



ONE OF THE FINEST collections of Arms and Armour in the world is to be found in London at the Wallace Collection. Wonderfully displayed are fine complete suits of armor, swords and daggers, staff weapons, cross-bows and an almost complete selection of firearms of the finest of makers of Europe.

Those who have known the Wallace Collection as primarily one of fine paintings and furniture may be surprised

to learn that the greater part of the collection is comprised of the arms and armor. Formation of the section on European Arms was largely the work of Sir Richard Wallace, who brought it into being by two purchases, one the collection of the Comte de Nieuwerkerke, which was formed between the years of 1865 and 1870; the other by acquiring the pick of Sir Samuel Meyrick's fantastic collection. Both purchases occurred as a result of the Franco-Prussian War

COLLECTION

This collection of artful arms and armor is probably the finest in the world.

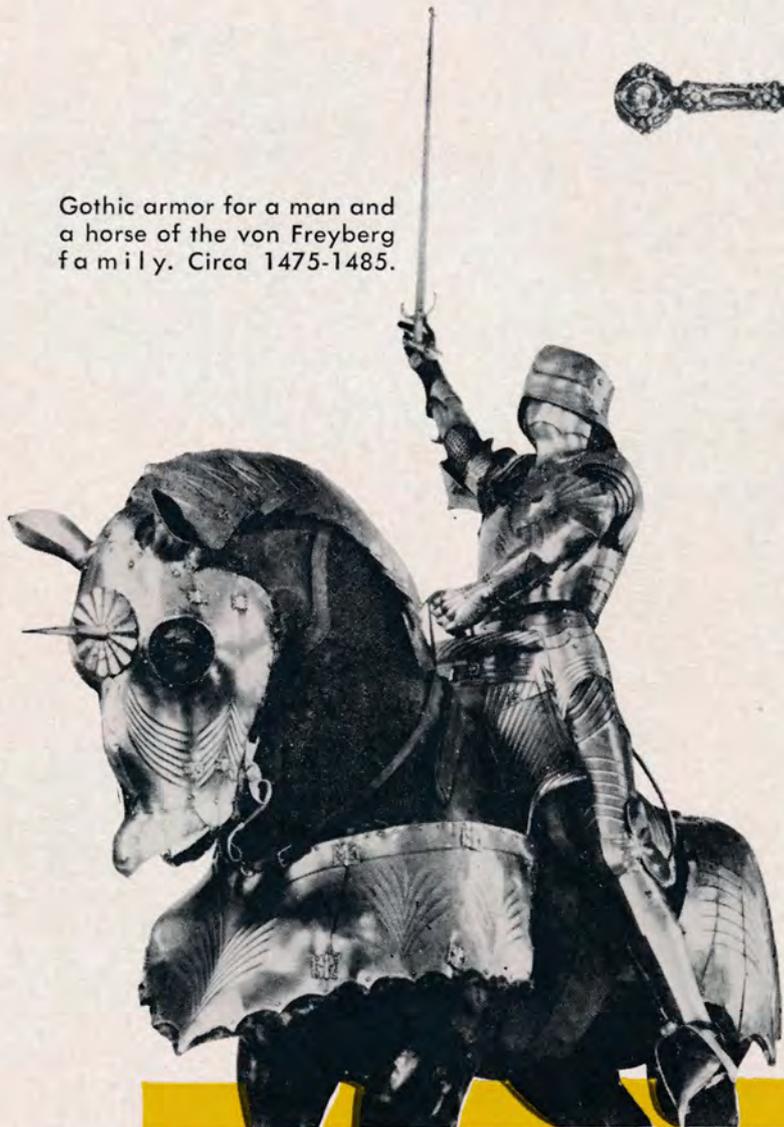


This double barreled wheellock pistol is from Germany and is dated 1554. Rare!



Henry, Prince of Wales once owned this silver bedecked sword by Clemens Horn from Solingen.

Gothic armor for a man and a horse of the von Freyberg family. Circa 1475-1485.



of 1870. At the end of that war, Comte de Nieuwerkerke, who had been Superintendent of Art under Napoleon III, decided to sell his personal collection and leave Paris. Sir Richard Wallace, who had been living in Paris for some time, and had recently inherited the Hertford fortune, promptly accepted the Count's offer of sale.

The Meyrick collection had been formed by Sir Samuel Meyrick, the author of the study of "Armour in England."

After his death, his one-of-a-kind collection was sold privately. The principal pieces were acquired by a Paris antique dealer, who in turn for a fine profit, resold them to Sir Richard Wallace. So, in the space of only a few weeks, Sir Richard had amassed one of the finest collection of arms and armor in the world.

It is important to note here, that this is primarily a collection of high art in armor and weapons, and not



Snaphaunce pistol by Giuseppe Anghiari, Florence. Dated 1789.



Wheellock pistol from Italy, 1610. Note inlaid silver in the stock.

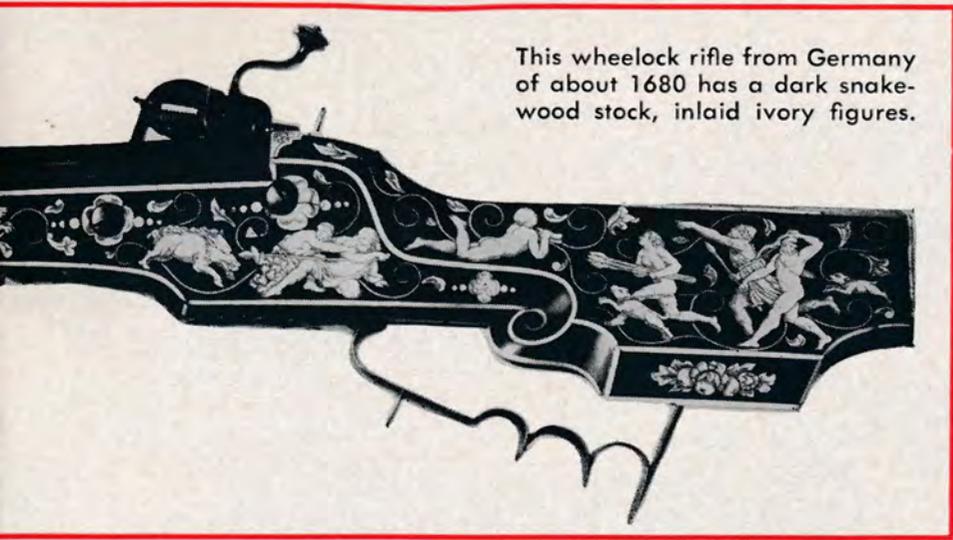


Italian wheellock dated 1640, by Battista Francino of Brescia.

a systematic collection formed on historical lines, as are most arms collections. Although unable to compete in range and extent with the great dynastic armories at Vienna and Madrid, the arms and armor at Hertford House takes its place among the principal collections of the World. In their own way, they are as fine in quality and beauty as the paintings for which the collection is famous.

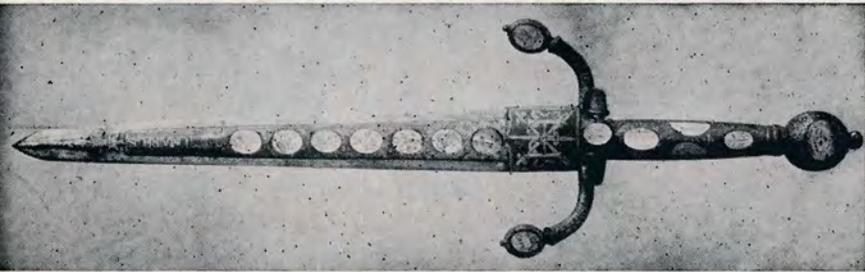
The few photos we are able to show here will give you some idea of the variety and the quality of the arms and armor available to the visitor. Truly, it is one of the finest collections of quality arms that I have ever seen, and every collector should visit this magnificent museum on his tour through England.

For those interested in learning more about the Wallace

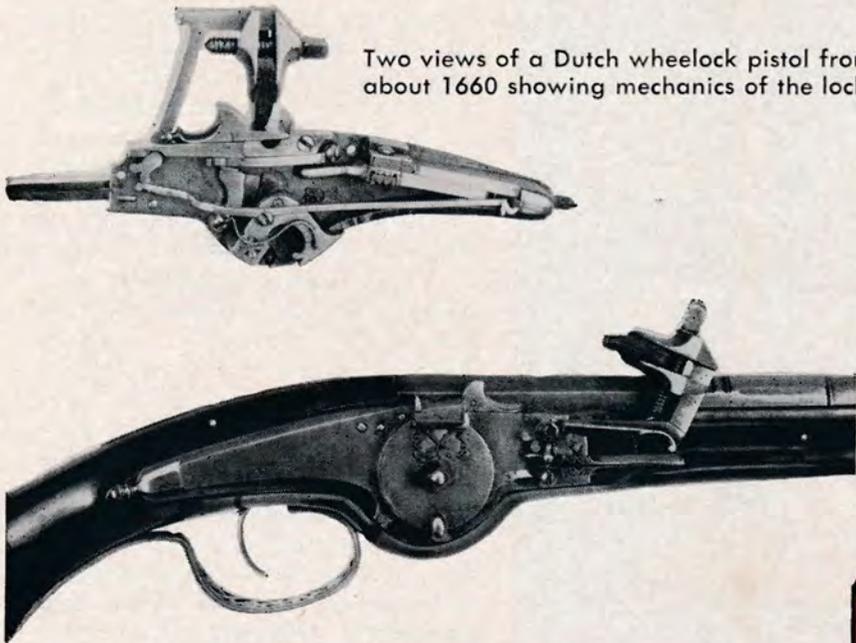


This wheellock rifle from Germany of about 1680 has a dark snake-wood stock, inlaid ivory figures.

This field armor was probably made by Thomas Sackville (1536-1609), for Lord Buckhurst, Earl of Dorset.



Henry IV, King of France, was presented this dagger by the City of Paris, 1600.



Two views of a Dutch wheellock pistol from about 1660 showing mechanics of the lock.

Collection, there is a book published which covers the arms and armor in great detail. Titled "European Arms and Armour, Wallace Collection," it is published by museum staff, and has 208 illustrations. The book is in two volumes, and the set sells for \$15.00. If you can't locate a copy nearby, write to Norm Flayderman, Squash Hollow, New Milford, Conn. 06776.



Charlie Miller, a sourdough miner for years, still uses a Model '95 Winchester for protection of his diggings in Alaska's wild interior.

Below right: A total of 216 beaver pelts, roughly worth \$3,500, couldn't reach the muzzle of this Parker Field flintlock trade musket in the University of Alaska Museum.

Inset: Top, a .22 revolver knuckleduster marked "Dolne-Bar", "In A Brevet". Bottom, another knuckleduster marked "My Friend", in .32 caliber.



By CHARLES J. KEIM

NOW IT'S THE Oil Rush of '70 following discovery in arctic Alaska of the largest oil field in the nation. As waves of Americans flock north bringing modern day guns with them, they will find weapons brought during previous rushes starting more than two and one-quarter centuries ago when the prize was gold.

Rarest are the weapons left behind by the Russians who in the first rush sought the sea otter shortly after Vitus Bering discovered Alaska in 1741. These mostly are small iron cannon, some of which were cast in Sitka, capitol of Russian Alaska. Some were carried along the Alaska coast in Russian vessels; others were mounted in forts on the coast and inland. Some of the cannon remain in Sitka. Seven are in the possession of the University of Alaska near Fairbanks in the interior. Also two of the small octagonal forts were disassembled log by log and brought to the campus by the late Drs. Otto William Geist and Ivar Skarland, anthropologists, archaeologists and naturalists. Other such weapons remain to be found by enterprising collectors of the type I met roaming the length and breadth of my native Montana prior to and after World War II, collecting the weapons which had helped the pioneers to settle that large state. Alaska undoubtedly represents the last opportunity to do this under

GOLD!



"There's gold in them thar hills" has been a familiar cry to Alaska. After centuries of rushes, guns have turned to gold as well.

The marking on the lockplate of this double-barrel shotgun, about 20 gauge, show it to be from Tula, an old ordnance center in Russia.

the banner of the American flag.

From time to time one finds references in newly published documents which quicken a collector's heartbeat, such as this one I recently edited: *Boyhood in the Nome Gold Camp*, written by the late Irving McK. Reed and published in 1969 by the University of Alaska.

... I wandered all over the island [Unalaska in the Aleutian Islands] from one side to the other ... I found on the very top of the hill [at Dutch Harbor] two small Russian brass cannon that I laboriously remounted on their carriages which still showed flecks of blue Russian paint.

Keenly aware that some Russian vessels sank in Sitka harbor, Dr. William Hunt, historian-writer at the University of Alaska, is busy arranging to examine material which will be dredged from the harbor during construction of a bridge scheduled to start this year.

A few collections, including those in museums in Alaska, have heavy Russian flintlock pistols or muskets of the type used to subdue the Alaska natives who resisted brutalization and murder. Dr. Clarence C. Hulley writes in his book, *Alaska 1741-1953*:

... Solovief is said at one time to have tied a dozen young male Aleuts together in a row to use them as a target to see how far a musket ball would penetrate their

bodies. The bullet is reported to have stopped in the body of the ninth man. Another version of this tale states that the bullet went through only two men.

Next of the Alaska rushes came by way of the "Boston men" who started hunting whales and purchasing furs along the coast at the beginning of the nineteenth century. These were the Yankee sailors who participated in the triangular trade—between New England, China, and the northwest coast. The whaling reached its height about 1855.

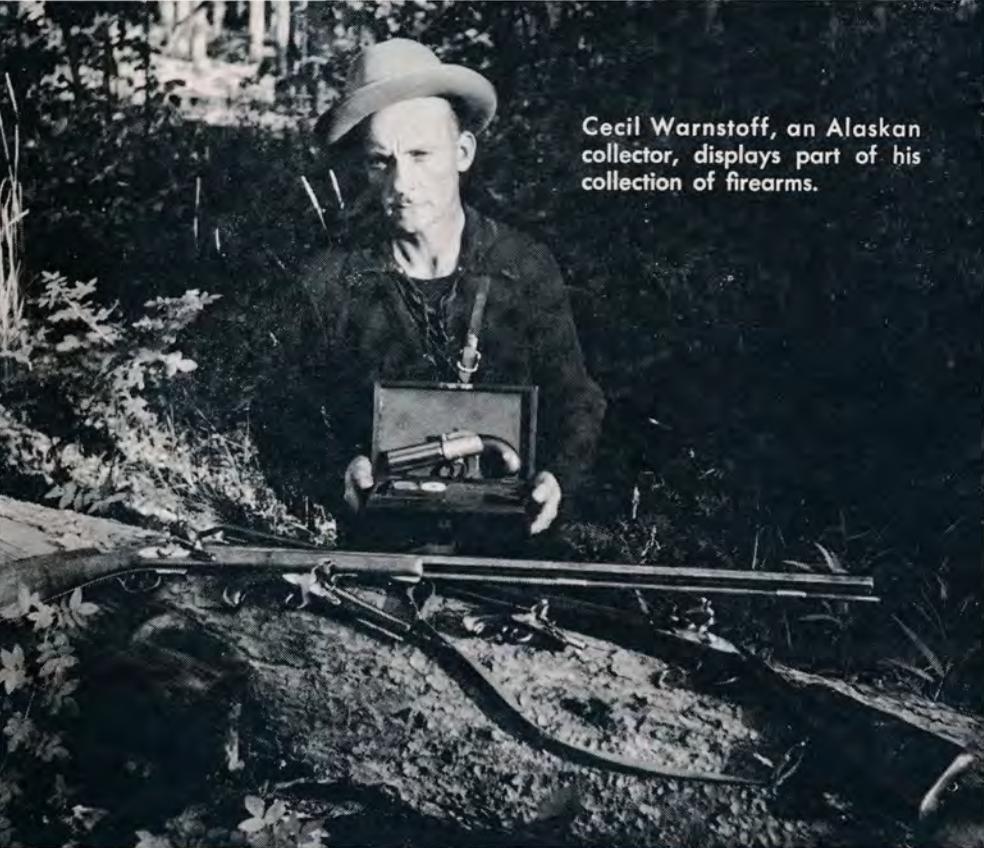
The whalers, too, often left whisky, disease and destruction among the Alaska natives—chiefly the Eskimos along the arctic coast—and they also

left perhaps the rarest north country weapons of all. These are the shoulder guns and darting guns with which they took the bowhead or right whale, weighing a ton a foot and sometimes going more than 60 feet. The darting gun is a muzzle-loading brass tube mounted on a pole which also carries a harpoon. When the darting gun is hurled against the side of the whale, the tube fires a timed bomb into the huge mammal, and the harpoon also lodges in its side.

Earliest of the shoulder guns are muzzle-loading bronze weapons weighing 25 or more pounds which fire fused bombs into the whales. Later shoulder guns are loaded with a propellant resembling a shotgun shell at

This trade musket in .60 caliber was manufactured by Johnstone of Birmingham, England. It features a brass dragon on the sideplate and an overlarge trigger guard to allow the shooter to wear gloves.





Cecil Warnstoff, an Alaskan collector, displays part of his collection of firearms.



Many pinfire revolvers like these found their way to Alaska during and following the '98 Gold Rush.

the breech and the bomb at the muzzle. Few collections boast these weapons, and fewer yet exist among the coastal Eskimos.

These whalers, traders and others also brought with them trade muskets of various types. Highly popular were those also being brought into the Canadian north and spilling over into Alaska by the Hudson's Bay Company.

One such weapon in the University of Alaska Museum is an 1875 Parker

Field & Co. flintlock musket with a 36-inch barrel of approximately .60 caliber. Total length of the London weapon is 51 $\frac{3}{4}$ inches. Another in the collection is an undated .60 caliber caplock manufactured by Johnstone of Birmingham, England. Total length is 57 $\frac{1}{2}$ inches. Like the flintlock, it has an overlarge trigger guard to accommodate a gloved or mittened finger. Both guns also have the brass dragon sideplate which is a characteristic of

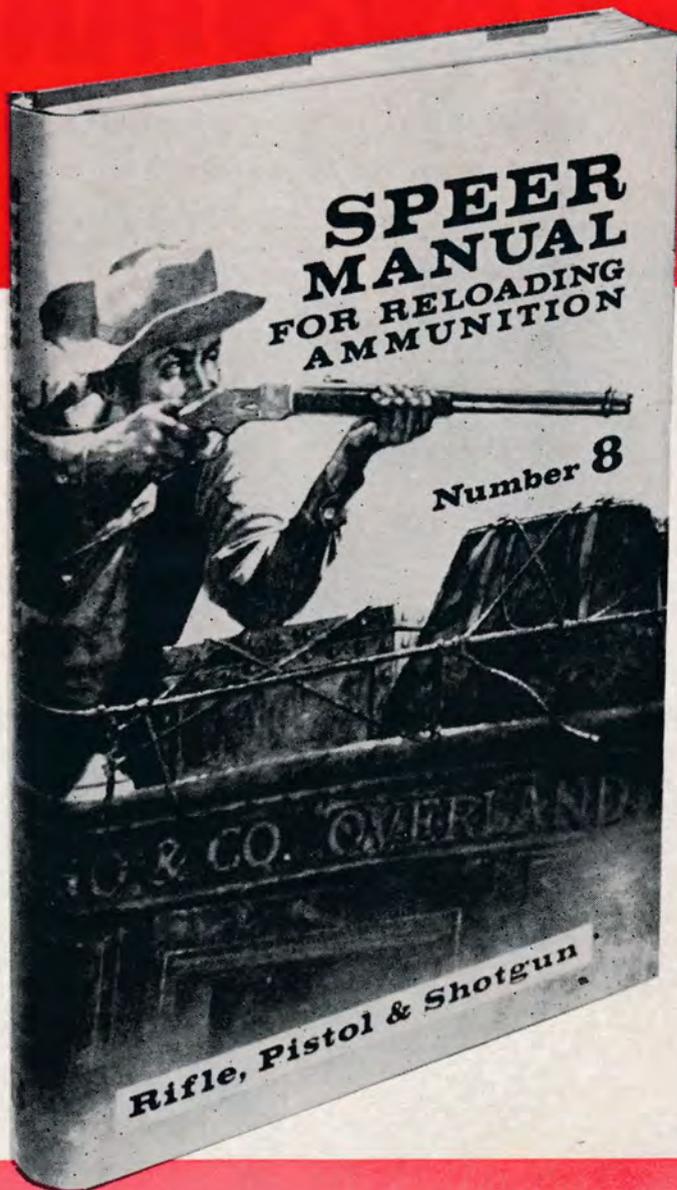
most of these weapons.

Many myths have arisen concerning these guns, the most persistent one being that traders required natives to stack up pelts to the height of the gun to exchange for it. This writer's research into records of the Hudson's Bay Company helps to debunk the myth. The standards of exchange averaged about 12 beaver pelts per weapon. In addition, with the help of Mr. Les Almquist of Northern Commercial Company in Fairbanks, I stacked 216 beaver pelts alongside the Parker Field flintlock musket. They didn't reach to the top of the gun. Their rough value was \$3,500. W. L. Libby, a highly recognized biologist and authority on beaver, estimates that it takes a little more than one hour on the average to skin a beaver, and flesh and stretch the pelt. Additional time must be spent on the trapline and taking the pelts to market. Few natives would be willing to thus purchase such an expensive weapon, especially since they frequently cut down the barrel once they acquired it!

Long or short, these weapons, like the whaling guns, are North Country prizes indeed.

The next rush after those of the Russians for the sea otter and the whalers-traders was the Gold Rush of '98, best known of them all. At about the same time exploitation of the rich salmon fishery was reaching unprecedented heights, too. By 1898 at least 55 canneries were operating along the Alaska coast.

From one end of Alaska to the other this writer has examined weapons brought by the stampedeers, largely to obtain food or protect themselves from animals or fellow whites. He also has studied hundreds of photographs taken at the time of the rush. One conclusion immediately is obvious. The stampedeers and their points of origin were as variegated as snowflakes and their weapons were the same—muzzle-loaders, single shot breechloaders of all sorts, lever actions, bolt actions, and pump repeaters like the Colt Lightning. The sidearms were as diversified, too. Surprisingly, stampedeers brought many pinfire revolvers. Apparently the most popular weapon was the Winchester, some the single shot breechloaders, but most the lever action in a variety of calibers. Friends who have recovered the old weapons from long abandoned cabins have come up with mostly lever action weapons, (Continued on page 57)



SPEER'S

RELOADING MANUAL NO. 8

By MASON WILLIAMS

THOSE READERS who can remember DuPont #5 and #6 pistol powder and HiVel #2 and #3 and SR 80 and Lightning and Sharpshooter will recall the problems that existed when a reloader wanted additional or related information. Whatever he needed to know would turn out to be a National Secret! Today, all the information needed by a handloader of metallic cartridges may be found in the New Speer Manual No. 8 that, in my opinion, outdoes anything on the market. What's more this Manual won't sag or buckle. It's hard cover!

Not only has Ray Speer gone to men like Bruce Hodgdon for an article on powders but he has included all the trouble shooting details, the nasty little things that are really so important and so overlooked like rifle chambers,

belling case mouths, seating primers. The inclusion of so many details makes this book unique. No longer need the reloader thumb through book after book from Whelan to Sharps to Mathews for the answers. What is the rifling twist in your .222 Remington? What powders do you use for maximum velocities in 2" barrel revolvers? Guess again!

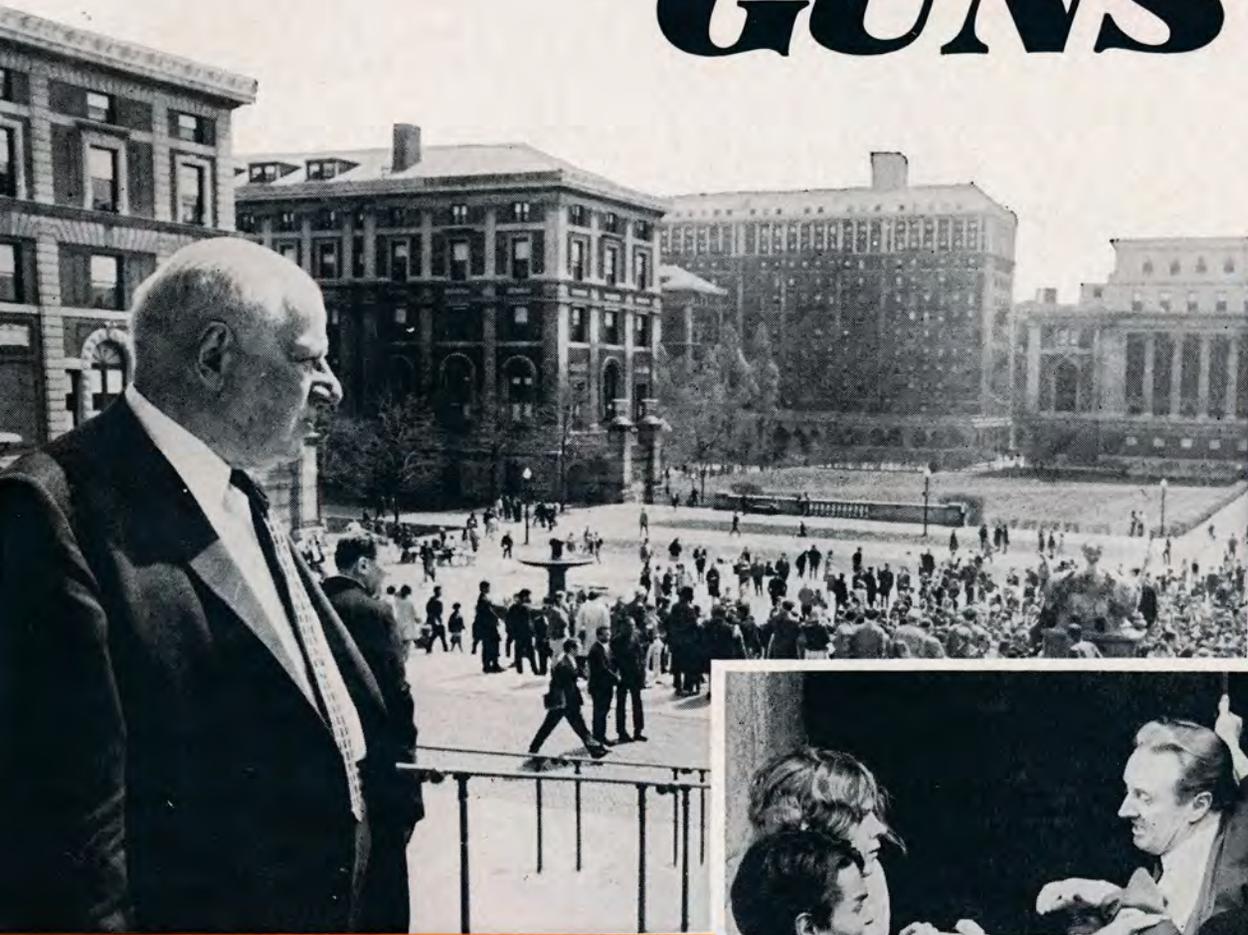
I particularly like the section that gives the velocities of rifle ammunition as published by the factory and as actually fired by Speer in one of their rifles. Many readers will be shaken by the figures but not as much as when they turn to the handgun section where published and actual figures cover handguns with 2", 4" and 6" barrels. The rifling twist section is unusually complete with a couple of eye openers.

This Manual lists, for the first time, the 300 yard drop of the bullet based on given loading data. Another first is the listing of competitive bullets to fill out the loading tables. Speer has gone further than anyone else to date with handgun loads and lists a great deal of information hitherto unavailable. Such loads have long been needed along with some rather revolutionary facts about loading for short barrel revolvers.

Basic Shotshell Loading by Arlen Chaney is excellent. I am disappointed in the shotshell data which is a rehash of the manufacturers tables and lacks sufficient depth.

The rest of the book is without doubt well worth double the price of the book which is \$4.75 at your dealers.

GUNS AND



COLUMBIA UNIVERSITY



THE NEWEST WEAPON is not a gun. Yet, the future of all civilian firearms may well depend upon it. The newest weapon is Education. This may seem an inappropriate topic for a gun magazine, but let's look at it more closely before deciding.

It was only a dozen years ago that the late President Eisenhower got overwhelming congressional support for "The National Defense Education Act." The key word was "defense." The expedient of the moment was the need to respond quickly to Russia's dramatic achievements in space technology. The title of the act may have been inspired as well by the public's identification of the president with the successful defense of the country in World War II. Reasons notwithstanding, this was the first time in American history that the public schools had been officially declared to be *an instrument of defense*.

Political leaders have always been quick to capitalize on "a good thing." Consequently, President Johnson did not

COMMENTARY

By **L. CRAIG WILSON**
Professor of Education
University of Delaware

hesitate to employ the same technique when he wanted to declare his "war on poverty." Again, the public schools became the battlefield. The current administration, Republican once more, has shifted the political targets in the direction of the emerging public sentiments. This time they turn out

to be environmental blight, a faltering economy, and law and order. Many of the recent anti-gun thrusts have had their origin in the problems which precipitated these very goals.

The political and educational charge to the schools is staggering. It calls for raising a generation of people: (1) who will not, through ignorance or indifference, disrupt an increasingly delicate ecological balance; (2) who can be more just in their treatment of ethnic, racial, and economic minorities without resorting to a destruction of the private enterprise system; and (3) who can so administer the law that the whole system of legal stability as it is now

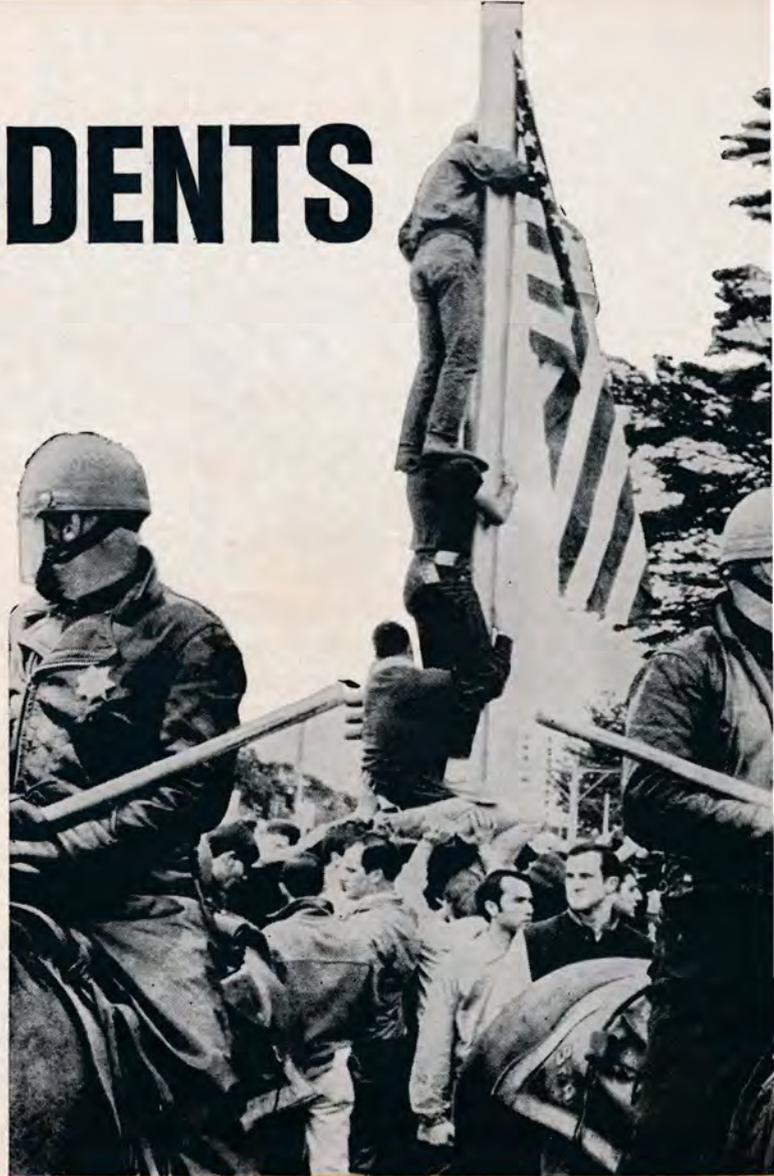
TODAY'S STUDENTS

**The education of today's students
is of prime importance if we really want
to keep our "Right to Bear Arms."**

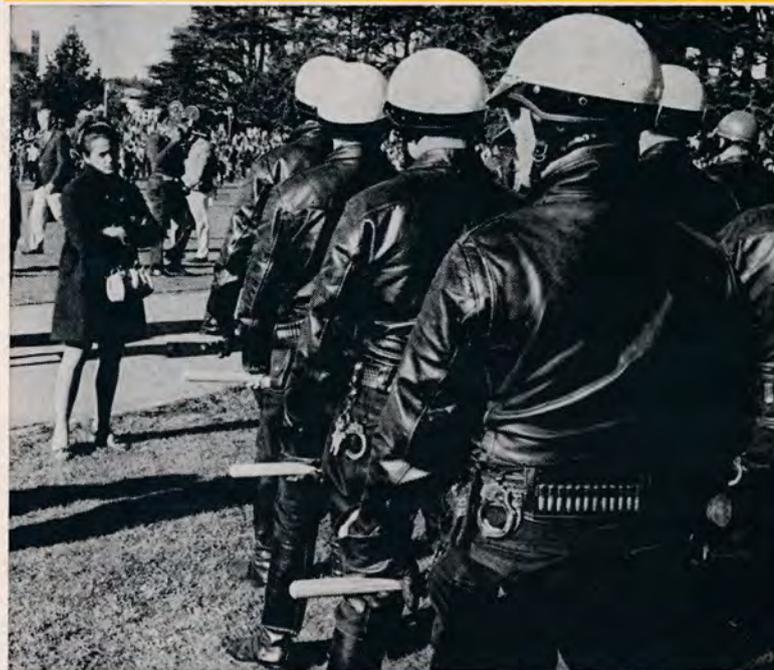
understood will not be scrapped as a cultural artifact. The goals are, at once, very old and very new. The American sportsman was concerned about the first one, ecology, long before it became fashionable. Similarly, he has always known how to own guns and still respect law and order, (goal #3). *The current social revolution, goal #2, is the area in which the outdoorsman has been relatively inactive. And, it is precisely at this point that we have seen others either (1) use guns as tools of revolution, or (2) simply oppose all guns as symbols of violence.* We have felt that blame was misplaced when hostile legislators turned on us, our organizations, and our guns—and, we have been right! We have tried to respond, but people have not wanted to listen. Because, as a group, we have tended to be somewhat on the conservative side, we have, perhaps, not given enough attention to a breakdown of "public opinion" into the key sub-groups of the present social revolution. Of special significance are the groups whose views are either being erroneously attributed to us, or whose values and actions are openly hostile to the freedoms we are trying to preserve.

The search for the multiple "publics" whose actions influence gun ownership and understanding must begin with the "college set" in particular; the "under thirty" group in general. The campus is perceived as being "where the action is." But people can't remain students forever, so the action eventually shifts to the streets and to the legislative halls. This is particularly important in view of the pending 18-year-old vote. What will happen when political muscle is added to the youthful exuberance which so easily generates a campus demonstration? No one really knows, but the characteristics of certain discernible groups may yield a few clues.

First of all, we must acknowledge "the gentle people"—"peaceniks" to their critics. These are the young people who arbitrarily rule out all forms of aggression. They look at the real world and see conflict and hostility; however, for their own lives they reject any participation in it. Within their own ranks, male-female relationships have been more equalized, and more blurred, than in the community at large. Specifically, the sex relationship has been skewed in the direction of traditional *feminine* values. A childish idealism finds expression through music and a return to the agrarian way of life. These dreams, in turn, take such political forms as cooperative farms or "communes." Yet, the group as a whole is really non-political, decentralized, individualistic, and impotent. The pervasive attitudes toward technology, guns, violence and manhood are non-differentiated and negative. Guns, especially, are singled out as a symbol of everything considered wrong with modern society. Paradoxically, "the gentle people" are attracted to the full range of mind-expanding or mood-altering



SAN FRANCISCO STATE COLLEGE





UNIVERSITY OF CALIFORNIA



HARVARD UNIVERSITY

drugs. Their argument is that whatever harm may be done is to the individual rather than to any group. Hence, the self-destructiveness involved is non-aggressive. Its legality is not even given a second thought. They thus blame guns for lawlessness, but proceed (totally unarmed) to break the law themselves.

The second identifiable group can be thought of as "the revolutionaries." However, they must immediately be broken down into "the militant revolutionaries" and "the evolutionists." The former are typified by the SDS radical fringe, "The Weathermen," (particularly active in the Chicago demonstrations). The latter, "the evolutionists," likewise believe in revolution, but place special emphasis on timing. Like the original Marxist Communists, they foresee "the system" collapsing under its own weight as public awareness points out its inherent weaknesses. The attack is on the whole spectrum of practices associated with the military, political, and social class features of free enterprise capitalism.

Unlike "the gentle people," the revolutionaries believe that "the ends justify the means" (thereby rejecting one of the principal cornerstones of democracy). Technology in all of its forms falls within the category of "tools of the revolution." Guns are so classified by the Black Panthers, as well as their unnamed opposites who might be roughly labeled "Redneck Panthers." Both groups, tragically, see guns as a means of protection *against the police* (who are "considered armed and dangerous") and the socio-economic and educational establishment which benefits by their protection. In general, the methods employed by groups so motivated are the most frustrated, erratic, violent, and the most dangerous to society at large. Interestingly, when given voting privileges, this group may well do the "right thing" on gun legislation, but "for the wrong reason." Since they put the police and criminals in the same category, logic has it that their only hope for any personal safety at all is to be privately armed. Many are said to be already so protected—proof positive that *restrictive gun legislation does not, and cannot, stop those who are motivated by fear or criminal intent.* It impedes only the most law abiding who would have behaved responsibly under any circumstances. Indeed, *we are rapidly reaching the point where the police have a greater stake than any other group in permitting the law abiding majority to keep, without harassment, their private arms.*

A final distinction between "the gentle people," and "the revolutionaries" is that the latter are organized, centralized, and politically conscious. They also participate in "the drug scene" but have less interest in the "mind-expanding" variety through which "the gentle people" hope to find an elusive "inner truth." The political activist prefers to search for his truth in tangible expressions of power and control. His reality is the street corner and the anticipation of the next demonstration.

A final group is sometimes stereotyped as "the Greeks"—meaning the Greek-letter fraternity boys. In some parts of the country, principally the South, the traditional fraternity model prevails. Hot cars, muscles, athletic achievement, sexual prowess, etc., add up to a complex of behaviors equated with manhood. Guns seem to fit easily and naturally into this pattern. Their purpose is sporting, usually hunting.

An off-shoot of the northern variation, sometimes referred to as "freak frats," seems much less concerned with the older symbols of aggressive (Continued on page 58)

TEST REPORT

By CHARLES ASKINS

SINGLE POINT SIGHT

THE SINGLE POINT sight is a novel departure from conventional sighting equipment. It looks like a small pistolscope, but it is not a telescopic sight at all; the Single Point is looked at, and not through. When you squint through it with the right eye, all you see is a red dot of light. You

lected point and thus, through binocular vision, to focus two images as one.

The Single Point sight is 6¾" in length, has a 1" tube, and a weight of only 6½ ozs. It will mount in any standard scope mount and is adjustable internally for both elevation and

is a game hunter's tool.

The Single Point was set up in a Weaver mount and placed on the Marlin M336 carbine .44 Magnum caliber. The sight is intended for game shooting in heavy cover and at close range, and the Marlin .44 is a gun for this kind of work. The rifle and its unique sight were sighted in at 25 yards.

The target was the conventional pistol bullseye, black in color. The red dot covered the 5" bullseye, and an interesting phenomenon occurred when the dot was brought to bear on the black bull; it disappeared: Swung over to the dump, the dot showed up fine on the black earth of the backstop. Tested against the green trees at the back of the range it again showed up very distinctly. The sight was brought to zero by approximating the location of the bullseye and shooting very quickly. It was found that if the trigger was not squeezed quite deliberately, that the dot, in a few seconds, tended to wander off the center of the paper. This is caused by aberrations in eye sight and not through an actual movement of the dot.

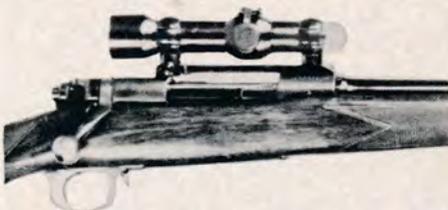
Three 10-shot groups at 25 yards averaged 1.10 inches. The rifle was then fired at 50 yards. This time the bull was the same size but orange in color. Again the mark completely evaporated when the red dot was superimposed. By shooting very rapidly and estimating the location of the bull, three (Continued on page 56)



do not look through this red dot, but simply stare at it, the left eye does the work of finding the target and fetching the sight into alignment with the mark. The Single Point, designed by Nils Rudder, a Swedish engineer, trades on the well established facility of the eyes to coordinate on any se-

deflection. On the front end of the crackle-finish tubing is a plastic cap, within the cap is an acrylic element which gathers the visible light and concentrates it on the peep hole. This peep, the "red dot," is the aiming point.

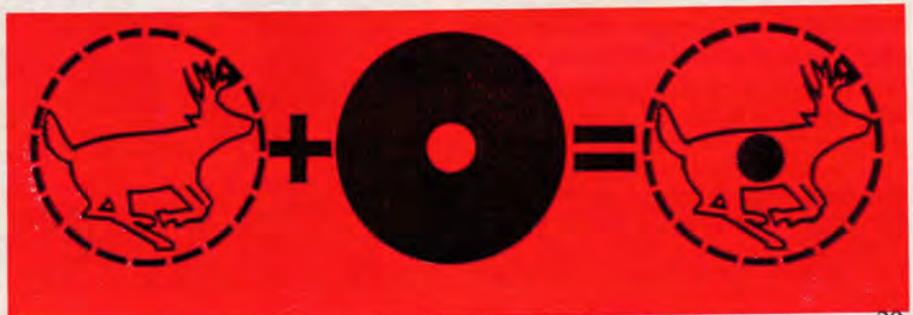
To use the sight, the marksman must be able to shoot with both eyes open. He holds the rifle at shoulder, both eyes open, looks with his right at the red dot and with his left at the target. He maneuvers the rifle at the red dot and with his left eye at the target, he maneuvers the rifle until the dot covers the mark. Then he squeezes the trigger. The dot is a big one; it covers 16 inches at 100 yards and is out of the question for use by target shooters. It



The Model SP-16-R is for use primarily with hunting rifles.



The SP-42-R has the same characteristics except it has a 42 minute light point for shotguns.





GUN DEALS

Bag of guns given the author included 1851 Colt Navy, a Colt .41 DA, two pinfires, and a small Henry Deringer.

By E. F. DONNELLY



SOME GUN BUFFS, fortunate enough to have acquired a fairly good collection of antique arms, would often have the novice collector believe that most of the priceless old iron was gathered up by sharp trading, quick response to sales, or an instinctive foresight as to what will become of most value in the future. Now personally, when showing off my own modest collection, I always avoid giving out with any such vague notion; for I do believe that in many instances, the better collections were built up, not only through the usual trade or cash purchase method, but also through such other sources as inheritance, war loot, or good fortune.

And so with that opening, I will now present five short tales concerning some of the more desirable firearms I have either added to my own collection, or else missed out on entirely. Three of these accounts are of just plain good fortune, while the other two are sad tales of opportunities lost and bargains gone by forever. Inas-

much as every man likes a happy ending, I shall present the sad tales first.

Let us turn the clock back then to a sunny spring day in 1934, when yours truly was making one of his semi-annual pilgrimages to that Mecca of all devout antique gun bugs, Francis Bannerman Sons. In those days, the Bannerman Military Equipment Store and Museum was located at 501 Broad-

way, in New York City, and visiting the place was an event to be thought about and planned for well in advance. Unfortunately, Saturdays was the only day I could visit the place, and even then, I couldn't stay too long, for promptly at noon the doors were locked up for the weekend. In spite of the short duration of such visits however, just entering the venerable store

Pictured next to an original 1936 Bannerman catalog is the flintlock pistol picked-up in Paris and the .31 caliber LeFauchaux pinfire.



Gun deals come and go and usually we put off buying that nice piece until next month or next year; then it's too late!



A young German prisoner-of-war risked his life to obtain this Smith flintlock for the author. Stock is ebony and it is inlaid with pure silver. A fine piece!

in those days was something of an experience in itself. What with the pleasant, though somewhat musty smell of old leather holsters and harness, hundreds of guns and gun parts storage bins, uniforms and battle flags, suits of armor, and Lord only knows what else, the very atmosphere was such that one felt as if he had suddenly been transported back to the 19th Century. What a marvelous place that was for a young gun collector to browse through.

But on this particular day I was not

going to let myself do any browsing, for my single objective was to buy an extra barrel for my Springfield .58 caliber rifle-musket. I wanted one that was still shootable, to replace the original barrel, which had been bored out for a shotgun many years before. With a birthday just behind me, I was way up in the chips—for those days that is. Actually, I had five bucks to spend, and having studied my Bannerman's Catalogue very religiously for weeks, I knew exactly what to buy.

However, I'd hardly entered the



This fine muzzle loading target rifle of the "Scheutzen" rifle variety was bought on author's second tour of duty in Europe.

store, before being brought up short by a most fascinating sight. There, piled up against the wall, in a sort of haphazard fashion, were a dozen or more mint condition U.S. Model 1855, Springfield .58 Rifle Muskets. There they stood, shiny and new, with their bayonets fixed and slings attached. In fact the only additions those fine muskets lacked at the moment were some Minie cartridges, rolls of Maynard's percussion primer tapes, and some Boys In Blue and Gray to load and fire them.

Now I really don't want any of you young collectors crying in your beer at this point, but those 1855 muskets were priced at \$7.50 each, and the rolls of Maynard primers were just a dime apiece. I might also add, that just a few feet away from this magical pile of real walnut and iron, there stood another group of "burnished bright" muskets. Still looking as if they had been manufactured only the week before, the 1861 and 1863 Springfields making up that other group only cost five bucks each. (Have you priced an original Minie Rifle lately fellows?) Even yet, I can still remember standing there, examining the Maynard lock plate on one of those '55 models, and saying to myself "Guess I'll pick one of these up next year." But sad to say, that next year never came, for I kept putting off buying that Maynard musket, by telling myself that Bannermans had so much Civil War equipment on hand, that they would never run out. Ah well —

Later, I walked out of the store that day carrying a full length musket barrel with a perfectly shootable bore, a complete Springfield 1863 musket lock, a percussion (Continued on page 70)

WANTED TRICK & FANCY SHOOTERS

For a sharp shooting com



Tom Frye, Remington representative, firing on the 100,010 blocks and missing only six! The Nylon 66 was used.

THIS WRITER gets a lot of letters every year from ambitious young fellers who want the editor to use his influence with the arms companies to get them jobs. They want to join up as shooters. Mostly they think it would be pleasant if the guns maker would put them to hunting in Alaska or Africa and thus test both arm and load. Others would be content to stick around the factory and test fire and target-in the new models as they come off the production line.

There seems to be a dearth of these kind of job opportunities. I have never had any of the makers tell me they were on the lookout for someone to handle this manner of chores. The

only advertisements I've seen lately from the big companies have asked exclusively for design engineers. And preferably technical people with quite a lot of background and experience.

For all that there is a job opening with all the bigger guns makers. And all it involves is shooting. This coupled with pleasant travel. Touring that will take the lucky one into every state. None of the companies have advertised for an individual to take over this assignment, but if the man comes along who can fill the bill, rest assured the job is his for the asking. The spot is for a trick and fancy shooter.

It used to be that all the major arms manufacturers and some of the minor

ones had one or more exhibition gunners who did nothing from year's end to year's end except barnstorm the country putting on demonstrations of their legerdemain. The shows were the finest kind of publicity for gun and cartridge, and the considerable expense of keeping the marksman on tour was cheerfully borne by the company who realized that the crowds went away convinced that the gunner was using the best rifle and the most accurate ammo of any. The fact that the shooter was pretty good, too, was not forgotten.

Today, there is the sum total of one trick and fancy shooter on tour. He is Colonel Larson who shoots for Marlin. Larson is not an old ex-soldier with

By Col. CHARLES ASKINS

*Charles
Askins*

that military title—it was given him as a first name. He is the only exhibition marksman on the road. There once was a time when Winchester had a team, composed of husband and wife, Remington had various individuals, Peters, when it was an independent ammo firm, had a series of hotrock gunners, Colt had Fitzgerald, S&W had McGivern, and it was common practice for numbers of the lesser manufacturers to support both individuals and teams in the trapshooting sport.

The trick and fancy gunners have had their day in the sun, gotten old and either quit because of age, or passed on to the happy hunting ground. Their successors have not appeared. This has not been because the arms makers would not cheerfully hire them but simply because no enterprising young fellers have seen fit to practice until they could replace the old timers. For this I say that there is not one spot, but a half-dozen with the big gun companies today for the youngster who wants to be a trick and fancy exhibition shooter.

This is not to say that the ambitious should sit down, pen in hand, and offer to be a traveling one-man gun show for Winchester or Remington before he has mastered the fine art of picking flying marbles out of the air with the .22 auto rifle. None of the

companies are going to offer him a permanent spot on the payroll while he learns. He must take care of that chore before he braces the gun makers. Like engineering, medicine and law, there must first be a long course of sprouts to absorb the fundamentals and then he may go to the employer and show what a "geewiz" he is. If he is really good the manufacturer will sign him on. But first he must have what it takes to be a trick and fancy pointer.

Unfortunately there are no shooting schools where the neophyte may go to soak up the fine points of putting the bullet (Continued on page 48)



W. F. Carver, fancy shooter of the late 1800's in his buckskin dress.



Bill Jordan drops a rubber ball and makes the draw in time to clear the holster so the ball can drop inside.



Ad Topperwein firing at three cans in the air with a .38 revolver. He has not yet fired at the first can, that which is nearest the ground.



THE

By JOHN W. ROCKEFELLER

THERE ARE only a few truly fine .22 rimfire rifles. There is the Savage Anschutz, in two grades, the Franchi Centennial, the Weatherby Mark XXII, the Steyr, plus a couple of target rifles. There is, also the Browning "T-Bolt" rifle and, subject of our little piece, the Browning .22 Automatic Rifle.

The design of the little Browning is a rather old one, the brain-child of John M. Browning himself. Browning sold the original U.S. patents to the Remington Arms Company. Remington introduced their Model 24 autoloading

rifle in 1922, discontinuing it in 1935. In 1936, they introduced their Model 241, essentially the same gun with a pistol grip stock and slightly longer barrel. It was discontinued in 1950, presumably in favor of the Remington Model 550 rifle which was cheaper to manufacture.

Browning apparently sold the foreign patent rights to Fabrique Nationale d'Armes de Guerre of Belgium. F.N. .22 autoloaders were quite popular in Europe during this time—although not imported into the United States. But, after Remington discon-

tinued the old Model 241 rifle, the Belgians apparently recognized a good thing, for Browning rifles, made in Belgium, soon began to appear in American sporting goods stores and were eagerly purchased by American shooters. They knew a good thing when they saw it!

Mechanically, the little Browning is identical with the old Remington Model 241. I don't know whether parts will interchange, but functioning is identical as is receiver contour. However, while the Remington was rather a "plain Jane" of a gun, the Browning



Underside view of the gun shows the take-down catch, "tower" proof mark, engraving on the trigger guard.

The rear sight is of the folding leaf type, adjustable only for elevation.



One of the plus factors of the little Browning is it can be easily taken down for storage or travel.



View of the underside of the barrel with the forearm removed shows serrated ring that compensates for wear.



BROWNING .22 AUTO

is a doll! The stock design is much different, and the forearm is different, being of French walnut finely hand checkered and nicely finished. The sides of the receiver are also delicately scroll engraved around the edges, nicely relieving the monotony of the plain flat receiver. There is just a touch of engraving on the trigger guard bow as well.

The little Browning is available in three grades. Grade I retails for \$91.50, Grade II for \$141.50, and Grade III for \$251.50. Grade I is available in either .22 Long Rifle or .22 Short calibers, the others presumably in .22 Long Rifle only. In .22 Long Rifle caliber, with 19 1/4" barrel, the little gun weighs 4 3/4 pounds, and measures 37 inches overall.

My rifle is the Grade I, and quite happy I am with it, too! You Rolls Royce types, perhaps wanting flossier engraving, are invited to select Grade III if you wish! I just ain't got the money . . .

So much for flossy stocks and flossy engraving! Let's get into the guts of the rifle. Best way I know to do that is

to strip it down, and then put it back together again . . .

The Browning is a take-down rifle, so we turn it upside down and look for a little grooved button just head of the receiver. Found it? Now push it forward, toward the muzzle. It won't push too easy, so put some pressure on it with your thumb. Now give the barrel a twist, while you hold back on the thumb-piece of the bolt. You've got to push the bolt back, so the extractor clears its slot in the barrel. The barrel is fitted to the receiver with an "interrupted thread," so a quarter turn to the left, counter-clockwise as viewed from the muzzle, will disengage it from the receiver. It can now be pulled on off from the receiver, and the gun is

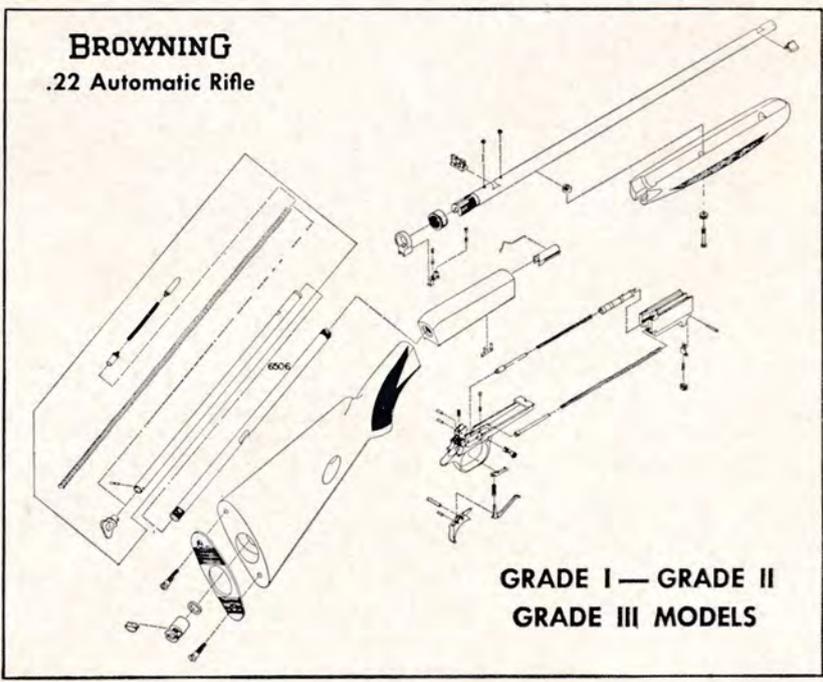
"taken down."

With the barrel removed, the gun can now fit into most suitcases, or can be stored in a foot-locker or small trunk. The barrel can also be cleaned from the breech, thus eliminating the possibility of damaging the muzzle crown with a cleaning rod. Thus, a take-down rifle is more convenient than one having a "fixed" barrel that is tightly screwed, pinned, or clamped to the receiver.

On the other hand, the "takedown" rifle is probably slightly less accurate than a more rigid assembly. I'm not so sure that this matters, in ordinary use. One would hardly expect a 4 3/4 pound autoloader to compete with a 9 pound *(Continued on page 54)*



The trigger and breechblock are combined into one group. Striker is in the fired position.



TEST REPORT

SAUER

The new Sauer double-action comes in two models and five barrel lengths. Top is the "Trophy" with 6 inch barrel, ventilated rib and oversized target grips. Bottom is the "Medalion" with a 3 inch barrel, narrow trigger and standard checkered stocks.



IMPORTED handguns, be they revolver or auto, haven't really impressed this old competitive shooter in recent years unless they have been of the high quality target variety and extremely high priced. This prejudice stems from the revolver being replaced by the auto in match shooting, but in recent years the interest in double action revolver shooting has been on the upswing and most large police departments have abandoned the standard NRA pistol course for the more appli-

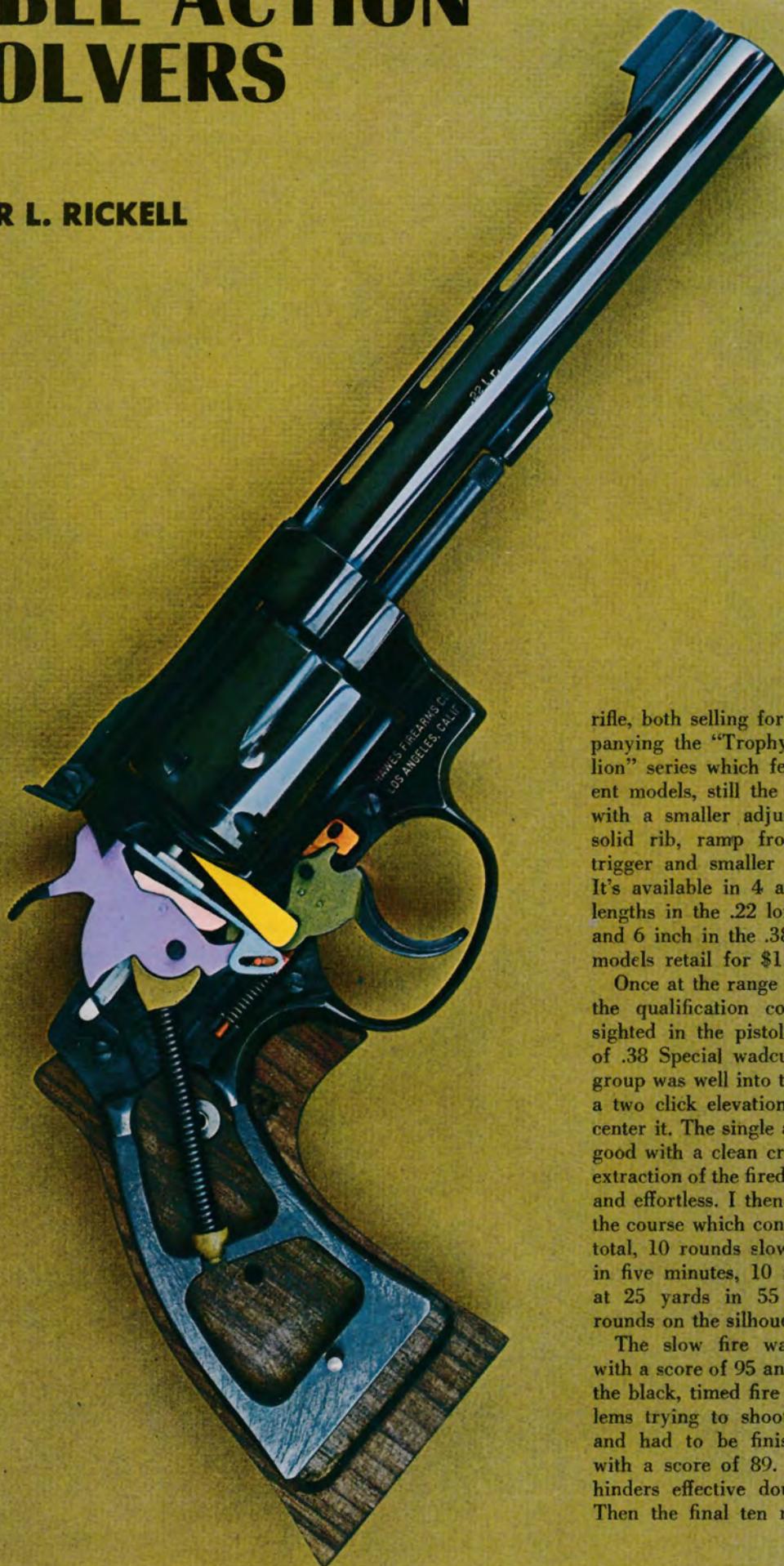
cable PPC and holding like competitions for their combat teams. Since joining the reserve force of the local Sheriff's department, I again rekindled my early interest in the revolver and took up double action shooting.

Having seen an early prototype of the J. P. Sauer double action revolver only briefly a year ago, I was impressed with its quality and when the opportunity came to really take it to the range for testing, no time was lost in doing so.

The model received from the Hawes Firearms Company of 8224 Sunset Blvd., Los Angeles, California 90046, the importer, was the deluxe version called the "Trophy" with a six inch barrel and chambered for the .38 Special. It also features oversized target grips, characteristic of American double actions, wide grooved trigger, wide hammer spur, ventilated rib and adjustable target sights. The "Trophy" is also available in the same configuration chambered for the .22 long

DOUBLE ACTION REVOLVERS

By WALTER L. RICKELL



rifle, both selling for \$129.95. Accompanying the "Trophy" is the "Medallion" series which features five different models, still the same quality but with a smaller adjustable rear sight, solid rib, ramp front sight, narrow trigger and smaller contoured stocks. It's available in 4 and 6 inch barrel lengths in the .22 long rifle and 3, 4, and 6 inch in the .38 Special. All five models retail for \$119.95.

Once at the range I prepared to fire the qualification course but first I sighted in the pistol with ten rounds of .38 Special wadcutter reloads. The group was well into the black and only a two click elevation was required to center it. The single action trigger was good with a clean crisp break and the extraction of the fired cases was smooth and effortless. I then proceeded to fire the course which consists of 30 rounds total, 10 rounds slow fire at 25 yards in five minutes, 10 rounds timed fire at 25 yards in 55 seconds and 10 rounds on the silhouette in 35 seconds.

The slow fire was easily finished with a score of 95 and no shots leaving the black, timed fire posed some problems trying to shoot it double-action and had to be finished single-action with a score of 89. The wide trigger hinders effective double-action usage. Then the final ten rounds were fired



Both the .22 and the .38 feature a floating firing pin. It is removed from the gun via removing the recoil plate. Machining and the finish are of the highest quality throughout.

The chambers of the new pistol are not recessed to accommodate the cartridge rim of either the .38, above left, or the .22 Rimfire, left.

SAUER DOUBLE ACTION

single-action on the silhouette scoring 100 with an aggregate total of 284.

The single-action pull was excellent and cocking was fast. The pull weighed out at $2\frac{3}{4}$ pounds on this particular model but the double action could stand the touch of a pistolsmith who knows double-actions to deliver better control. A narrow trigger would also help facilitate this. This can all be accomplished without interfering with the function of the single-action.

Double-action shooting requires the shooter to take up the slack using his trigger finger as a stop to hold the action while sighting and then squeezing off the round. This method has proven very effective in one-handed and two-handed shooting, especially with law enforcement agencies. The new Sauer should prove acceptable to police departments for its action is simple and during double action fire the cylinder is lined up and locked before the hammer falls.

The sights are good; the undercut front blade mated with the wide target type rear sight, also undercut, gives a clean sight picture even in open sunlight and should prove popular with the paper punchers of revolver vintage. I personally prefer the smaller version which is similar to the Smith & Wesson K-38 rear sight for it is more applicable to holster use.

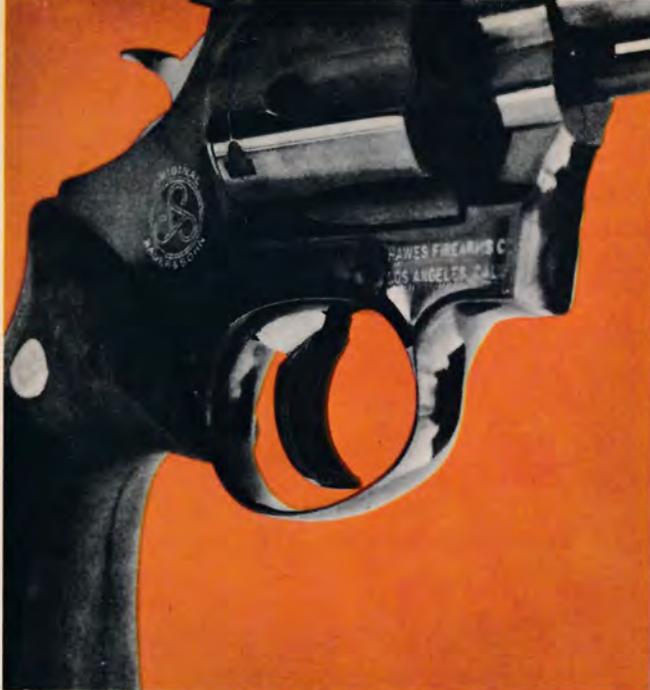
The oversized target grips are comfortable and afford a good gripping surface. They are of European walnut and have a flat oil finish. One outstanding feature of this

grip is that the back strap is also filled which is only common to custom made-to-measure stocks. American double-actions leave the back strap exposed on similar styles.

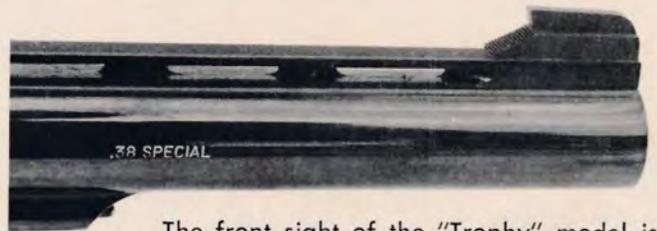
The chambers of the .38 Special are not recessed, a desirable feature but not necessary. One advantage to this un-recessed style cylinder is the shooter can easily, at a glance, see if the chambers are loaded. The .22 Rimfire model which I only inspected briefly, was made the same way, without recessed chambers. In my estimation it should be recessed in rimfires for the protection of the shooter from a ruptured rim.

The new Sauer has the look and feel of the fine Smith & Wesson K-38 Masterpiece and is basically the same gun updated and simplified with features like the ventilated rib and floating firing pin in both .22 and .38 versions. This feature makes all working-action parts interchangeable such as the hammer, for the only difference in the frames is the position of the floating firing pin. The action is all coil springs and all parts are milled. Stampings are seemingly absent. The action is very similar to the S&W with the cylinder turning to the left, trigger, hand, cylinder stop, trigger return spring and hammer block essentially the same. The main spring is of the coil spring variety and on the upper end of the main spring guide is an eccentric cam which facilitates the rebound of the hammer allowing the shooter to carry a loaded round under the firing pin without fear of accidental discharge.

The lock-up for the swing out cylinder is identical to



The "Trophy" model, above, features a grooved target style trigger while the "Medallion" has the standard narrow trigger. Each trigger has its advantages. Rear sight, above right, on the "Trophy" model is of the micrometer style and is adjustable for windage and elevation.



The front sight of the "Trophy" model is of the undercut partridge type with the ventilated rib being an integral part of the barrel. Again, note the high quality.

the K-38 with the action unable to be activated while the cylinder is open for loading, unloading or cleaning. Also side plate removal is identical to that of the S&W.

Finish and overall workmanship of the German import is excellent and up to the expectations of the quality the American shooters are used to.

Several brands of wadcutters were fired in the Sauer without any malfunctions, all delivering excellent accuracy.

High velocity service loads such as Super Vel were also fired without any problem of extraction or ejection indicating the chambers are of proper diameter and polished to the correct consistency.

All in all, the new J. P. Sauer revolver is well made and good looking with the action simple and strong. It should prove to be a formidable contender for the popular American double actions.



SPECIFICATIONS J. P. SAUER DOUBLE ACTION REVOLVER

TYPE OF ACTION:	Single or double action
BARREL LENGTH:	4 and 6 inch (Trophy) 3, 4, and 6 inch (Medallion)
NUMBER OF SHOTS:	6
CALIBER:	.22 L.R., .38 Spec.
WEIGHT:	38½ ounces loaded
SIGHTS:	Front 1/8 inch partridge (Trophy) "ramp" (Medallion) Rear micrometer, click adjustable.
SIGHT RADIUS:	7 3/8 inches (6 inch barrel)
RIB:	Ventilated on Trophy Solid on Medallion
TRIGGER:	Wide grooved (Trophy) Regular width (Medallion)
FINISH:	Blue.
STOCKS:	Walnut, Oil finish
HAMMER:	Wide serrated spur.
RIFLING:	Left hand twist.
LOADING:	Swing out cylinder, to the left with simultaneous ejection.
TRIGGER PULL:	Single action approx. 3 pounds Double Action approx. 10 pounds.
PRICE:	Trophy: \$129.95; Medallion: \$119.95.

The Sauer "Trophy", top, looks for all the world like the S & W K-38, shown at bottom. Two fine weapons!







COLOR PHOTO BY AL HEISS

LUGERS AT RANDOM, by Charles Kenyon, and edited by Joseph J. Schroeder, is published by Handgun Press, 5832 S. Green St., Chicago, Ill. 60621; price, \$15.00. This book shows, with more than 400 illustrations, the changes in the Luger pistol from the very first of the Luger/Borchardt transition pistols to the post-war Krieghoff models. Also included in the book are photos and descriptions of many Luger accessories; holsters, silencers, stocks and conversion units.

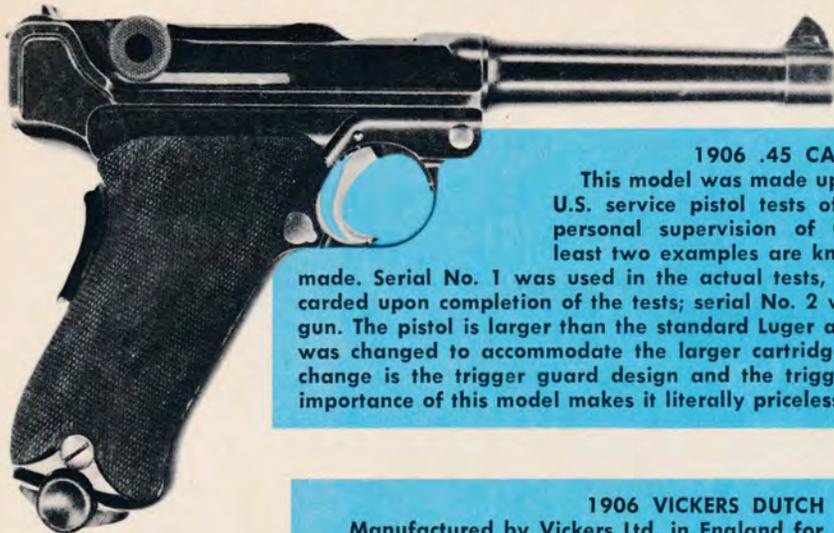
On the following pages we present a few of the more interesting Luger models from "Lugers at Random." We would like to thank the publisher, and Mr. Schroeder for their permission, and their kind cooperation.



- Over 400 pages
- Over 400 illustrations covering the Luger in all its variations

Should be the definitive study of the Luger
J. B.

LUGERS AT RANDOM



1906 .45 CALIBER

This model was made up especially for the U.S. service pistol tests of 1907, under the personal supervision of George Luger. At least two examples are known to have been made. Serial No. 1 was used in the actual tests, and probably discarded upon completion of the tests; serial No. 2 was the "back up" gun. The pistol is larger than the standard Luger and internal design was changed to accommodate the larger cartridge. Most noticeable change is the trigger guard design and the trigger. The rarity and importance of this model makes it literally priceless.

1906 VICKERS DUTCH

Manufactured by Vickers Ltd. in England for military contract sale to the Netherlands. Era of manufacture is approximately 1915-1917. It is proofed with Dutch proof marks, and has a name plate soldered to the left side of the frame that was added after delivery for designation of the outfit to which the pistol was issued, and the word "Geladen" appears on both sides of the extractor. The fact that some of these weapons have been arsenal re-finished in no way detracts from their value.



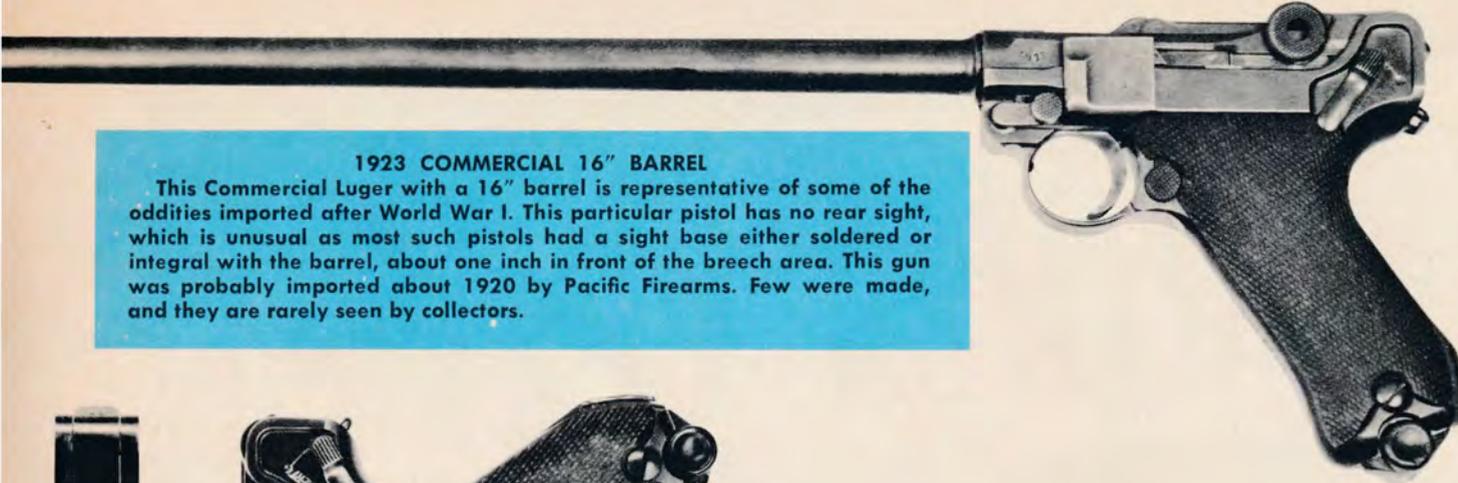
1914 DWM CUTAWAY

This Ordnance cutaway example bears serial number 446 and is proofed. The rather extensive "cuts" show the function of all basic assemblies. It is an undated Model 1914 DWM. While Ordnance cutaways are more common than factory cutaways, they are quite rare and are highly prized by collectors.



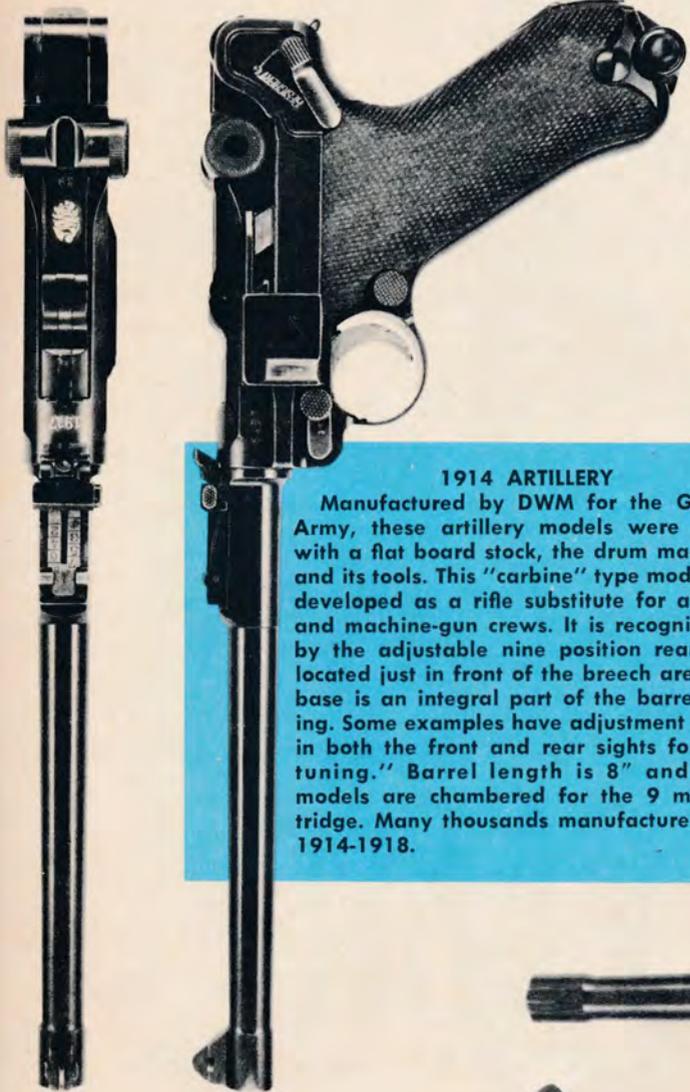
1902 CARBINE

Manufactured by DWM for commercial sales in Germany and other countries. The barrel is 11 $\frac{3}{4}$ " long and is chambered in for the 7.65 mm cartridge. It has an integral ramp to the barrel. The total production of these carbines is approximately 2500. This model was intended as a light rifle and was sold with a detachable fully contoured stock. A special high velocity cartridge was necessary to provide enough power to actuate the heavier barrel/receiver to battery position.



1923 COMMERCIAL 16" BARREL

This Commercial Luger with a 16" barrel is representative of some of the oddities imported after World War I. This particular pistol has no rear sight, which is unusual as most such pistols had a sight base either soldered or integral with the barrel, about one inch in front of the breech area. This gun was probably imported about 1920 by Pacific Firearms. Few were made, and they are rarely seen by collectors.



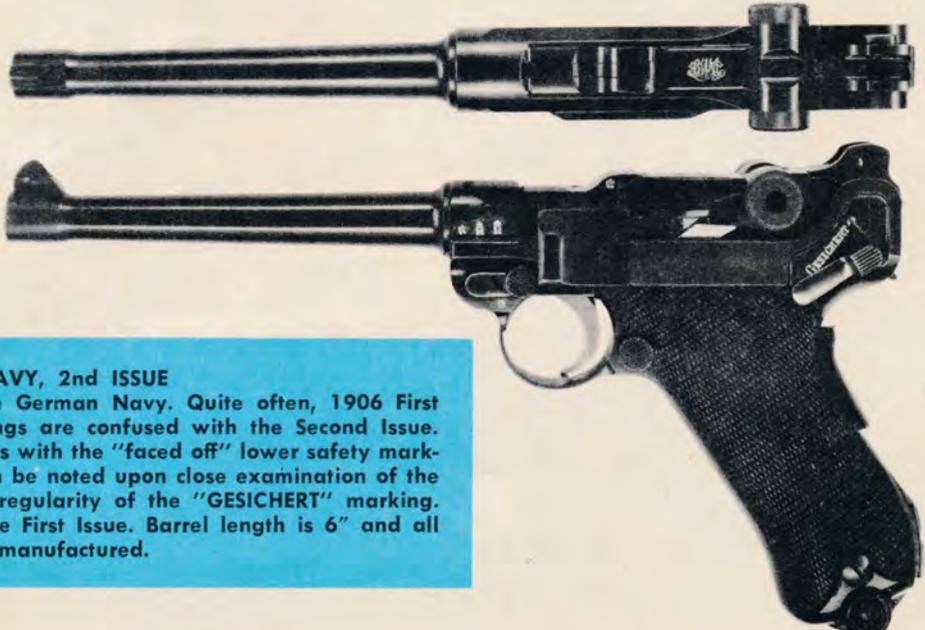
1914 ARTILLERY

Manufactured by DWM for the German Army, these artillery models were issued with a flat board stock, the drum magazine and its tools. This "carbine" type model was developed as a rifle substitute for artillery and machine-gun crews. It is recognizable by the adjustable nine position rear sight located just in front of the breech area. The base is an integral part of the barrel forging. Some examples have adjustment screws in both the front and rear sights for "fine tuning." Barrel length is 8" and these models are chambered for the 9 mm cartridge. Many thousands manufactured from 1914-1918.



1906 BERN

Manufactured by Waffenfabrik Bern in Switzerland for the Swiss military, apparently because DWM could no longer supply the Swiss because of the demands placed upon their facilities by the war effort. The official designation of these weapons is "1906" but many collectors refer to this model as the "1924" Bern. It is believed that production began in the 1918-1922 era but no official records substantiate this fact. A total of 17,874 were made.



1906 NAVY, 2nd ISSUE

Manufactured by DWM for the German Navy. Quite often, 1906 First Issues with altered safety markings are confused with the Second Issue. This is especially true of First Issues with the "faced off" lower safety markings. However, the differences can be noted upon close examination of the "case" of the lettering and the regularity of the "GESICHERT" marking. The Second Issue is rarer than the First Issue. Barrel length is 6" and all are proofed. At least 11,000 were manufactured.

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PULL!

By DICK MILLER

TOO MANY new shooters very carefully avoid being squadded with better shooters. Avoiding the hot shots and good squads is a mistake on the part of the beginning shooter, because in many cases, shooting down the line with a good squad can do more for the beginner than hundreds of rounds fired with their peers in experience.

There is some mysterious alchemy generated by the shooting rhythm of a good squad that causes good shooters to shoot better, and very often finds poor shooters shooting far above their best scores. This "esprit-de-corps" or shooting rhythm of a squad is partly responsible for the fact that in every Grand or big event, there is always some Class C or D shooter who puts it all together on that day and breaks them all, or some handicap shooter who has not been distinguished by good scores finding the range on that given day.

There are, of course, some common sense admonitions which should be added. If you are a very slow shooter, for example, you should not deliberately join a squad of known fast shooters. Or, if you are a fast shooter, and you know that there is an opening on a squad known for its slow and deliberate pace, you would be well advised to not fill that spot.

As long as I am talking about squad shooting time, rhythm, etc., I should also remind both new and veteran shooters that you may be placed in a squad for reasons beyond your control whose shooting habits are diametrically opposed to yours. In cases like this, you are reminded that you must shoot your own game regardless of what your squad members do.

All experienced shooters agree that a familiar squad, or a compatible squad can add targets to your score, but you can't regulate every squad in which you shoot.

For examples, very early in my trap shooting game I was placed in a squad which contained at least a couple of All-Americans and others whom I knew to be top competitors. All I did was to break 99 in the 16-yard event, and 98 in the handicap,

which was several targets above my previous best effort.

On the other hand, another of my best scores which won a trophy in a Hoosier state event came as a member of a squad which contained two rank beginners, one extremely deliberate shooter, and the man next to me whose release trigger went off unexpectedly so many times that he had to change guns. In addition, we were interrupted by rain on two traps.

This alchemy which brings out the best in one is not confined to shooting. During my early golfing days, I was very chagrined to find myself in a foursome which not only contained the club's best golfers but the pro. I had visions of these golfers looking on in bored silence or worse while I chased down some of my monumental slices.

For some of the same mysterious reasons I'm talking about here, I shot a very creditable round, and while my score was still highest of the foursome, it was nothing of which to be ashamed.

If you are a new shooter, and have been deliberately avoiding better squads, you might just be able to move up several notches by taking advantage of this propensity for shared excellence. As long as we are talking about the habits of new shooters, there is another habit of beginning shooters which is worthy of some attention, and timely in the bargain.

Many new shooters in both skeet or trap either consciously or unconsciously imitate the shooting form of certain top flight shooters. This is not necessarily good. Accounts of the 1970 NSSA World Skeet Shooting Championships at Savannah, Georgia point out, not unkindly, that John Durbin of Kirkwood, Missouri who broke 865 straight targets to win the all-bore title, had possibly the worst shooting form in the near-record field of entries.

There is absolutely no shooting rule which says you must adopt any shooting form in order to win, and conversely, any shooting form that does not violate the rules of the game or safety rules is entirely acceptable.

Any form which results in more broken targets, more comfort, and more enjoyable shooting is the form which you should use. Naturally, there are some common sense rules which are generally applicable and which normally make for better scores.

For example, most trap shooters shoot better scores if they give attention to positioning of what I call the "pointing foot." By that I mean that if you are a right-shoulder shooter, and are shooting from post one on the trap field, you will break targets more easily from post one if your left foot is pointed at about the spot where you would receive your most extreme left angle. If you point your left foot in the direction of the traphouse, and do get a left angle, you will be forced to throw your gun at the target instead of getting a smooth swing, and obviously it is easier to break a target by swinging on it than pushing the gun at it.

The same situation applies on post five. If you shoot from the right shoulder, and point your left foot at the trap house, an extreme right angle will tie you in knots, and more often than not, put a big fat zero on the score sheet. On the other hand, if you point your left foot to the right of the traphouse, and do get the extreme angle, you are ready for it and can easily swing on it, rather than shove the gun after it.

Another trapshooting basic has to do with the height of the muzzle hold above the traphouse. There is no hard and fast rule which dictates how much you should hold above the house. The one basic to remember is that the less distance you must move the barrel, the easier it is to break the target. If the wind is causing targets to come out of the trap high, it makes sense to hold higher above the trap, and cut down the distance the muzzle must move to break the target. On the other hand, if the targets are low, you can hold lower, and avoid losing targets behind the barrel from too high a hold.

Some beginning shooters get in the habit of holding over the exact center of the trap house for all targets. This is not necessarily good, for the same reason as described above. If you are holding over the center of the house on post one, and get a left angle, you must move the barrel several feet farther to break the target than if you were holding just off the left corner of the house. The same rule applies to post five. Most good shooters hold about three feet to the right of the house on post five, to gain that much of a jump on a sharp right angle target.

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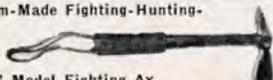
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The rule is generally and simply this: For posts one and five, hold just off the end of the house. For posts two and four, just over the end of the house, and from post three, directly over the house. One of the basics of skeet has its foundation in the same general principle. Many new skeet shooters turn too far back toward the trap house on posts two, three, four, five, and six, which forces them to chase the target nearly twice as far to break it as the shooter who starts his swing from a point closer to post eight.

For a specific example, if a shooter on post two of the skeet field lines up on post two with his feet facing the high house, and tries to pick up the target as it comes from the high house, he will have to chase the target at least ten yards to break it unless he is lightning fast. On the other hand, if he faces post eight, swings the muzzle from a point about half-way between the high house and post eight (the center post) he can break the high house target in feet instead of yards, and that in my book is the easier way. The same principle in different degrees applies to posts three, four, five, and six.

As I said earlier, there is no rule in the book which says you have to do it this way, but this way is easier. It also usually results in better scores, and that, for most of us, is the name of the game in all the clay target sports.

I have deliberately modified the last sentence by inserting the words "for most of us", because of a letter I received from a reader who took me to task for what seemed to him an inordinate stress on "winning" inherent in my column. I am perfectly willing to concede that there are those clay target shooters who shoot for the pure enjoyment of the game, which is very considerable, and who truly do not care whether they win or lose.

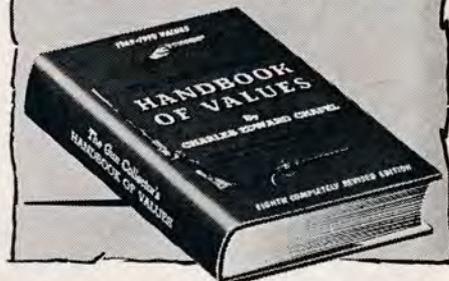
It also seems to me that any individual, in any endeavor, whether it be sport or otherwise, by the very nature of his or her make-up would want to do the best of which he or she is capable. And, it has always seemed to me that I have a responsibility in this column to make the clay target sports more enjoyable for any reader who can profit from advice distilled from years of experience in shooting both on my own part and from observation of all the greats in the last quarter century or so.

None of the rules are inviolable, and none of the advice is absolute. All that really matters is that the clay targets sports are prime fun for everyone, rich or poor, young or old, and for all degrees of health and/or athletic ability.

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TRICK AND FANCY SHOOTERS

(Continued from page 33)

through the hole in the winging washer. And as a matter of fact if one scoured the country he would turn up precious few marksmen who might be depended upon to give a few pointers. Ad Topperwein, unquestionably the greatest trick and fancy shooter the world has ever known, used to take an occasional promising shooter out to his camp at Boerne, Texas, and there keep him three to six months and during the interim teach him many of his astounding stunts. Topperwein died seven years ago. Of his several pupils the best known is Ernie Lind of Pennsylvania who is a ranking exhibition gunner. Ernie is no longer doing demonstration shooting as a regular thing but all the know-how is still there.

Tom Frye, who holds the long run record on tossed wooden blocks—he shot at 100,010 and missed only 6—could impart a lot of worthwhile advice. Frye is a Remington arms and ammo salesman with headquarters at Billings, Montana. He occasionally puts on a trick and fancy show but it is not a primary business. Tom does it on an impromptu basis, before local crowds and to please some dealer friend. His feat in stacking up the impressive total of only six misses in over one hundred thousand shots on 2 1/2" thrown blocks was done as a sort of busman's holiday. He had been doing trick and fancy shows for years but had never essayed a long run on the flying targets before. The shooting was done in 1959 and broke a record which was originally established by Topperwein and had stood for more than a half-century.

Fellows like Topperwein and Frye had no teachers when they cranked up to be exhibitionists. They simply got out every day and shot for a couple of hours and as skill commenced to grow they developed their own repertoire of fancy shots. It should be noted right here that while these marksmen are referred to as "trick and fancy" shooters there were no tricks, nothing shady or underhanded or questionable about any of their shots. Everything was strictly above-board. Buffalo Bill, when he barnstormed the country with his wild west show, used to gallop around the ring bursting glass balls tossed into the air by a nimble assistant, likewise mounted. The rifle was an old Model '73 smoothbored and firing .44 shotloads. Neither Top nor Tom Frye

have ever resorted to anything bordering on this sort of knavery.

Despite the fact that there are no training schools and precious few instructors who might be competent to give a fellow some advice this is no real handicap. It has not held back such performers as our best have been and for the youngster who is determined it should prove no real stumble. What he needs mostly is determination and perseverance. Plus a varying amount of time which might extend from six months to a year. This along with a small mountain of twenty-two cartridges and he will make—take it from me—a trick and fancy shooter. Just how good he may become depends, I think, on the man. Just as some target marksmen become champions and others only "also-ran", it is the same with the trick and fancy shot. Not everyone can attain the stature of a Topperwein. But all of us can, with conscientious practice, acquire an amazing degree of skill.

I well remember one time when I decided I'd learn to hit targets tossed in the air. I had a Stevens single-shot .22, lots of ammo, and plenty of leisure. I limited my practice to a single box of shells per day and the first firing was on a half-gallon can. I quickly learned that the shooter progresses much more rapidly if he does his own throwing. The skill of the target toss is a thing that goes cheek by jowl with the pointing of the firearm. You get so you can place the mark precisely where you want it and at that microsecond when you want it there. I tried various friends but the throwing they did of my half-gallon tin was erratic indeed. And so was my shooting!

Very directly I graduated from the gigantic target to a can of only one-quart size. While later-on, friends like Topperwein told me the time to hit the aerial target is at the height of its climb, I found I hit the target more consistently when I caught it as it fell. This is undoubtedly poor technique but I was teaching myself and these are faults apt to be first developed and later eliminated as the gunner becomes more deadly.

The fact that I was firing a single shot rifle made me exceedingly careful. It was a somewhat laborous process to pick the empty out of the chamber, reload, cock the weapon and make ready for the following shot. When the target went skyward, I

used caution to see it was pinked. After a comparatively short time I had gone from the one-quart size target to cans of only half that size and finally only a fourth of the original. I amassed dozens of condensed milk cans of the tiniest size and these I threw, at first, straight overhead to a height of not more than 10 or a dozen feet. This is an exceptionally easy shot as it requires no lead and only a modicum of fast gun handling. Later on as this shot and the small target grew easy, I varied the pitch and threw the can away from me in a long gently arching trajectory. This was considerably more difficult as I then had to hold under the tin to make allowance for the fall of the target.

It was inevitable as my skill grew that I would reduce the size of the mark. I lived, in those days in a country which grew a great deal of black walnuts. I was practicing during the fall and early winter and I gathered several bushels of the walnuts and used them for targets. Now the black walnut is a mite smaller than a golf ball and to hit it in the air takes considerable doing. I did not hit all the walnuts I heaved upward, but I struck enough of them to keep me encouraged.

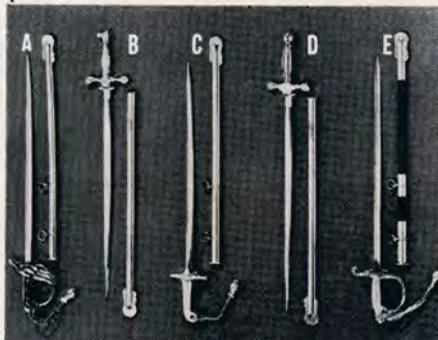
About this time my Old Man acquired a Browning .22 auto rifle. I promptly set the single-shot Stevens in the corner and turned to the self-loader. At the same time I stacked the walnuts in the shed to dry, those remaining, and went back to my tin cans. This time I essayed two cans in the air at once and when I got so I could surely hit each can as it went winging upward and outward, I added a third can. As a variation I would throw one can directly overhead, the easiest of all aerial shots, and with the first bullet drive it upward and then try to hit it a 2nd, 3rd, 4th and sometimes a 5th time as it was boosted off at some trajectory by the succeeding hits.

The game is an endless one and even though the young beginner may never be actually intent on doing barnstorming tours for one of the big companies, the skill that comes from this kind of practice will not only be entertaining at the moment, but it will also stand him in good stead later on in the game fields.

Colonel Larson, who as I have noted, shoots for Marlin, confines all his gunwork to stationary targets. He does not shoot at anything in the air. This for the reason that his exhibitions are usually staged indoors, before clubs, school children, conventions, at the YMCA, at Scout conclaves, and like gatherings. Larson confines his shooting to the Marlin

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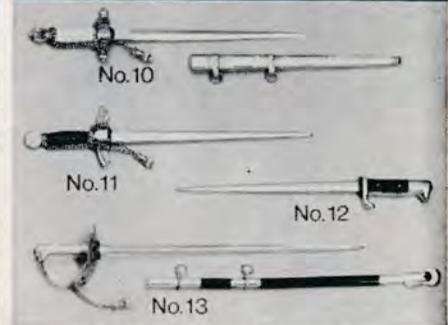
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Model 39 lever action .22, and with this little rifle he keeps his audience tremendously entertained. For the fellow who is determined to be a demonstration shooter, the aerial work which is necessarily confined to the outdoors need not be his entire forte. Larson is the living example that the trick and fancy gunner can be highly entertaining and never pull a trigger out of doors.

Topperwein, who shot both rimfire and bigbore rifles, the shotgun and a pair of sixshooters, was versatile indeed. But his mainstay was the .22 and the majority of his legerdemain was accomplished with this standby. He shot the rifle known as the Model 1903, a .22 caliber Winchester auto-loader. With this rifle he would toss a washer in the air and hit the hole in the center. When the crowd questioned that he had actually shot through the very middle of the flying washer, Top would blandly paste a sticker over the hole and proceed to puncture it on the next toss. Or he would inform the spectators that this time he would hit not the center but



on the rim. And then do it, sending the target spinning madly.

But undoubtedly, his most amazing stunt was to turn the Winchester on its side, pull the trigger, firing a shot and ejecting the spent casing. He would then spin around and hit the spent cartridge while it was still in the air. When you feel you are getting pretty clever with your practice be sure and add this novel shot to your repertoire.

The well rounded trick and fancy shooter performs with all three firearms: the rifle, scattergun and the pistol. Of the trio, the shotgun is by far the easier to master. It is my contention that the gunner who is a good trap or skeet shot, or perchance a cracking bobwhite or grouse shot, can progress much more rapidly as a trick and fancy marksman. There is a great deal about fast aerial shots with the rifle that partake most strikingly of the game of skeet or trap. Milt Hicks, who was a ranking exhibition shooter for Remington-Peters, was the best I have ever seen with the smoothbore. Of his bag of hotrock stunts none was more impressive than to place 5 bluerocks on

the stock of the pump repeater, toss them into the air, and break each, one after the other, before any touched the ground.

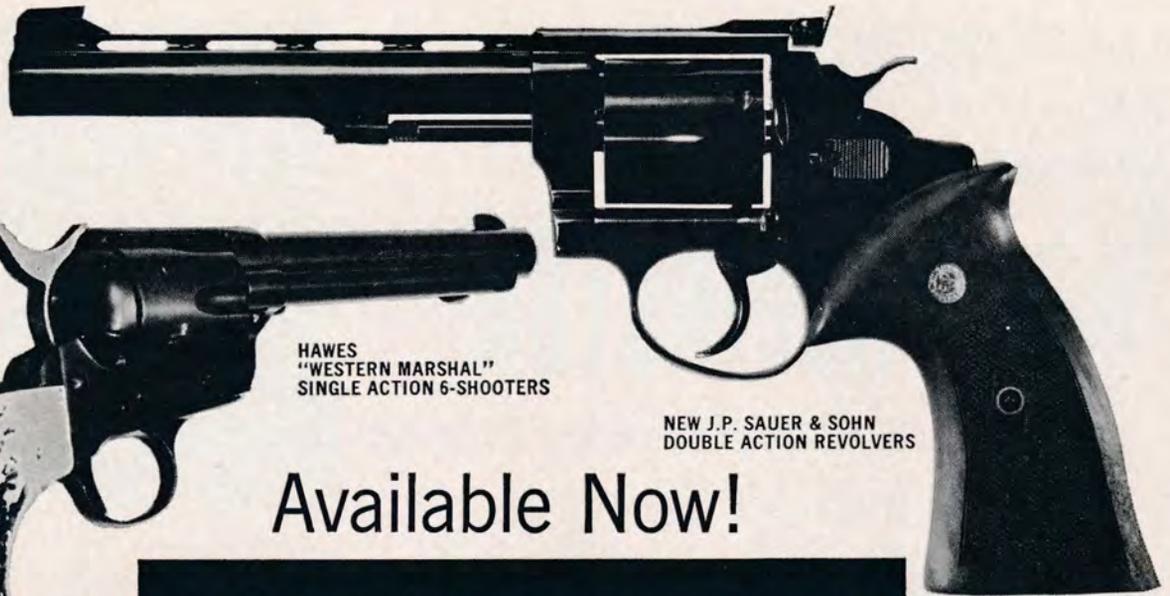
The handgun is by far the most trying to perfect for show-off shooting before an audience. Bill Jordan, an old Border Patrol hand, is the best at the game today. Jordan has retired from the border guards and is now a field rep for the NRA. He is occupied full time traveling over the Southwestern corner of the United States, mending fences for the national order. He can be cajoled, on occasion, to put on an exhibition with the sixshooter which is a highly impressive display of shooting ability.

Jordan does all his shooting by pointing. He does not use the sights and all his shots are delivered in quick-time tempo. He kicks off his exhibition by first firing at small balloons. The shooting is at close range, a matter of 10 feet or so, but the thirty-eight is simply pointed from a position well below eye level. From the balloons, the ex-law officer graduated to wafers and finally down to

aspirin tablets. Now, believe me, when you whip out a sixgun and thumb off a shot double action and pick off an aspirin at 10 feet, you have arrived as a trick and fancy gunner, without a doubt!

The shooting sportsman's image is a bit tarnished these days as a result of the incessant campaign to disparage guns, hunting and marksmanship. The gunning exhibition as offered by the trick and fancy shot is a kind of entertainment which places both the firearm and its handler in a most acceptable light. The accent is on skillful handling, dexterity and precision and the audience need not be a specialized group but the public as a whole to enjoy such shows. The varied crowds which Colonel Larson attracts attests to the wide appeal which his shooting carries. If we could attract several scores of trick and fancy marksmen, as we once had in this country, turn them loose to barnstorm up and down the land, putting on their extravaganzas before schools, clubs, civic orders, conventions and the public generally, it would be of immeasurable good to the sport of shooting.





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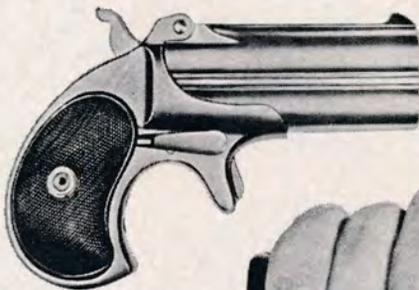
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OUR MAN IN WASHINGTON



By CARL WOLFF

Often the cry goes out to the shooting sportsman, "write your congressman and senators in opposition to gun controls." The question that comes back is "does it do any good?"

The answer is, "Yes." Take the case of Senator Michael Mansfield. He is up for re-election at this writing. He has taken the unprecedented move of reporting back to the voters of Montana about his position on gun control legislation.

For the first time in years he has real opposition for his seat in congress. As Majority Leader of the Senate since 1961, he is among the top five lawmakers in Washington.

Yet, back home he is under fire for not reflecting the views of the voters. Maybe the big issue is his vote for the 1968 Gun Control Act.

Checking the "Mike Mansfield Reports from Washington" with the record shows conflicts. "I supported the 1968 Gun Crime law," he said. "My decision to support the measure was made in a sincere effort to push the war on crime, the war against the killers and cripples and maimers of innocent citizens."

The facts are that Mike no longer represents only the voters of Montana. He is the leader of Democrats in the Senate. The 1968 Gun Control Act (he calls it the 1968 Gun Crime Law) was sent to congress by a Democratic president, Lyndon Johnson, a man who was Majority Leader of the Senate and a man whom Mike served as Assistant Majority Leader.

Gun crimes are not a big problem in Montana. Mike could have used his influence to curb objectional portions of the law. He did not. He chose to take the position of the Democrats whom he repre-

sented in the Senate.

"Gun legislation is to cope with crime and violence, not to tread on the rights of bona fide users of guns," he reports to the voters. More true is the fact that the Gun Control Act of 1968 was enacted to limit the availability of firearms to all citizens, thus screening out the easy availability of guns to undesirables.

Gun dealers were required to pay higher annual fees to weed out the small or part-time business. People were stopped from buying guns in states other than which they lived, etc.

"Since 1938, when the Federal Firearms Act was enacted, Federal licenses have been required for all gun and ammunition dealers. The 1938 law also required the registration of guns and ammunition as the Secretary of the Treasury directed."

This, of course, comes as news to all the hunters who until 1968 could buy ammunition, no questions asked.

"It (the 1968 Act) actually took out registration features." The other side of the coin is that a dealer can now be required to send a report to Washington on everyone that purchases a firearm or pistol ammunition. This he could have not been required to do under the old act.

Consider this statement by Senator Mansfield: "The 1968 Gun Crime Law precludes guns sales only to drug addicts, mental incompetents, felons, fugitives, and individuals considered dangerous. Sales are also banned to minors. A law-abiding gun owner can purchase and use any gun. He can hunt and teach proper

(Continued on next page)

weapons handling to his children and others."

The law works this way: an 18 year old can buy a .22 rifle but not ammunition. If an instructor seeks reimbursement for ammunition used in teaching the proper use of a firearm, he is subject to being charged with a criminal act.

"It (the 1968 Act) does not cost gun purchasers one cent." The truth is that the annual license fee increase under the 1968 Act is passed on to the purchasers of firearms and ammunition. Some dealers now enjoy an "only local access" to firearms and ammunition so they no longer sell below the price suggested by the manufacturer. The cost of keeping the additional records under the new law are passed on to purchasers.

"The Bennett-Mansfield Amendment struck down an ammunition regulation never intended by Congress. In the so-called ammunition provision, the Treasury Department called for the collection of a great deal of specific data covering each sale of ammunition. This was tantamount to registration; it was neither intended nor suggested by Congress. As a result, the law-abiding gun owning public was burdened immensely in efforts to purchase ammunition. There was no corresponding benefit. The Bennett-Mansfield amendment repealed this provision for rifle and shotgun ammunition."

That is the first time the change in the law has come to the attention of

this GUNS contributor as the "Bennett-Mansfield amendment." When the amendment came out of the Senate Finance Committee, the measure included all ammunition to be used in long guns. The .22 ammo was required to be removed before the Democratic Policy Committee, a committee headed by Mike Mansfield, would bring the measure up for consideration of the Senate.

It should also be added that by removing only a part of the law "neither intended nor suggested by Congress," Congress embraced the other portions of the law which it "neither intended nor suggested."

"The McGee-Mansfield Amendment to cover .22 ammunition has been introduced and co-sponsored by twenty-nine other Senators to do the same as the Bennett-Mansfield amendment did in the rifle-shotgun area."

This is the first time this reporter has learned that it is the "Bennett-Mansfield" amendment. But, Mike is one of the co-sponsors. If Mike's Democratic Policy Committee had not held up the original measure, this one would not be necessary!

Should the shooting sportsmen vote against Senator Mike Mansfield? To this question each voter in Montana must look into his own heart. But remember this: the second ranking member of the Democratic Policy Committee and the Democratic Whip is Edward M. Kennedy, Senator from Massachusetts. The battle could be won and the war lost. 

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BROWNING .22

(Continued from page 35)

target rifle, so if you want a target rifle—buy one! More on accuracy, later . . .

Once you have removed the barrel from the action, you can commence with further stripping. To remove the trigger guard, put your thumb through the trigger guard, your finger round the breechblock thumb piece, and pull the bolt to the rear. Holding it in this position, slide the trigger guard assembly forward slightly to disengage it from the receiver, both front and rear, and then lift it out of the receiver. You will now be able to wipe down the breechblock and guard assemblies for normal cleaning, and to reach into the receiver with your patches, toothbrushes, and whatnot, in order to clean the rifle properly.

Blow-back autoloaders DO get gunked up a bit, what with bullet lube, unburned powder and stray gases. It pays to clean the gun every now and then! Then oil the receiver, breechblock, and trigger guard parts lightly, and put it back together.

I don't recommend you attempt to take the trigger guard and breechblock assemblies apart, or even try to separate them. Removing the breechblock from the guard assembly is a little tricky, with a good chance of breaking the recoil spring guide where it engages the trigger guard. Also, the recoil spring is a rather long one, and fairly exasperating to stuff back into that little tunnel in the breechblock. I would recommend that you either take this part to a qualified gunsmith, or else soak it in solvent overnight, blow it out with compressed air at your local filling station, and then reassemble into the gun. Offhand, I'd say that it wouldn't be necessary to do this more than once a year, depending on how much you shoot! For normal cleaning, an oily patch wipe-down of the assembled guard and breechblock should be quite sufficient!

Studying the guard assembly, you will note that this rifle uses a spring-driven striker assembly, housed within the breechblock, and riding back around a guide pinned to the trigger guard assembly. The striker is hollow, of course, the striker spring being housed within the striker. The recoil spring is housed in a tunnel on the right side of the breechblock, with the recoil spring guide bearing against a projection on the rear portion of the trigger guard assembly, directly above the trigger.

The sear is a hook-like piece that catches the striker as the striker and breechblock recoil together, and then holds it as the breechblock returns to battery. As the breechblock recoils, it rides over a disconnector lever, which disconnects the trigger from the sear. When the breechblock is once again forward, it raises slightly, connecting the trigger and sear so that, once the trigger has been released, a rearward pull will fire another shot. The trigger pull of my little Browning seems quite nice to me—though I confess that I am not unduly sensitive, or sophisticated, where triggers are concerned!

The safety is quite convenient, being a crossbolt type just ahead of the trigger. This locks the trigger, not the sear. However, I am quite satisfied that this rifle is safe enough! The safety button is relatively large, nicely checkered, convenient. I like it.

The magazine of this rifle is a tubular type that runs through the stock. Loading is accomplished by giving a quarter turn to the thumb piece loaded in a hollow in the buttplate, and then pulling it straight to the rear until it stops. Cartridges may now be dropped, bullet foremost, into a hole in the right side of the buttstock—eleven in all. The magazine tube is now pushed back into the stock, and given a quarter turn to lock it in place.

The breechblock is then pulled to the rear, and released, to strip a cartridge from the magazine into the chamber. The gun should be placed on "safe", unless you wish to open fire immediately.

This type of tubular magazine, housed within the buttstock, is much superior to the type that is slung under the barrel. For one thing, it is protected from bumps and bangs which can dent the magazine tube slung under the barrel and easily convert it to a "single shot" rifle. It requires no carrier or lifter assembly, since the cartridges are fed almost in a straight line to the chamber.

Disadvantages are, of course, that it can hold no more than ten or eleven rounds of .22 Long Rifle, while longer magazines can be slung under the barrel—depending on barrel length. Also, the stock cannot be shortened conveniently for a slightly built woman or "junior" shooter, without also modifying the magazine. Still, I prefer the buttstock magazine. Loading requires that a gun so equipped be

pointed at the ground, so rounds can be dropped in the buttstock loading port. Under-barrel types often get pointed at the shooter in the process of loading—particularly the inexperienced shooter!

The buttstock of the Browning is fastened to the receiver by a through-bolt that runs through the pistol grip of the butt. If this is removed, the butt can be pulled to the rear, sliding it off the hollow magazine tube. Make sure this screw is kept tight in use, for a loose bolt won't help accuracy any!

Incidentally, there are but two stamped parts in the little Browning. These are the little retaining piece that keeps the tube magazine in the gun, and the plate that holds that in place. Nothing else!

The forearm of the Browning is easily removed from the barrel by removing a single screw, which passes into an anchor block dovetailed into the underside of the barrel. At the rear of the barrel, you will note a little collar with a hanger on its underside in which the take-down lock slides back and forth. Just forward of this piece is another grooved collar which is used to tighten the barrel up against the receiver to compensate for wear. This is locked by the take-down latch, which also keeps the barrel from rotating in the receiver while in use.

Tightening the barrel in the receiver is accomplished by inserting the barrel, with forearm off, locking it in place with a quarter turn, and letting the breechblock run forward. Then, with the takedown lock forward enough to clear the grooved collar, turn that collar clockwise (as viewed from the muzzle) as tight as you can turn it *with finger pressure only*. Then slide the takedown lock to the rear to lock the collar and, a bit further, to engage the notch in the receiver. Then replace the forearm and tighten the screw.

Be careful, in replacing the forearm, that the takedown lock is fully to the rear. Otherwise, you may break out a piece of the forearm where it contacts the takedown lock, and is forced by the forearm screw. With the forearm in place, the takedown lock can be moved forward enough to free the forearm from the receiver, but not enough to turn the headspacing ring.

Sights on the Browning are relatively simple. The front sight is a gold bead, dovetailed to the barrel. The rear sight, also dovetailed in place, is a folding leaf type that can be folded flat to the barrel, or flipped up for use. It is adjustable for elevation only by loosening a coin-slotted

screw and moving the elevation insert either up or down. There is a tiny finger lever to help in moving this tiny insert, and graduations are etched in the leaf to help guide in setting the correct elevation. The receiver is also dovetailed for ordinary "tip-off" mounts for telescope sights.

In zeroing in my little Browning, it was necessary to run the elevation insert down a goodly bit, as the gun would otherwise shoot high. This makes for an unusual sight picture, the actual aiming notch itself a goodly bit below the upstanding wings of the sight leaf itself. No provision is made for windage adjustment, short of knocking one of the sights over with a drift of some kind, but I was able to get into the black bullseye of a Standard American 50 foot Small Bore target. I felt this was adequate, for a light hunting and plinking rifle.

After zeroing in my Browning, I fired a ten-shot group at fifty feet from the sitting position. This went into exactly one inch, center to center, and would have been slightly less had I not managed to toss out one "flyer". Later groups opened up somewhat, and I discovered that the forearm screw had apparently loosened up. Since I didn't happen to have a screw driver with me, I wasn't able to correct this. I screwed it back in with my fingernail, but couldn't get it tight enough—I hate broken nails!

This screw should be kept tight at all times, in order to keep an even pressure on forearm and barrel. A loose screw cannot help but have a poor effect on accuracy! Actually, since the forearm needn't be removed for normal cleaning, I prefer to just wipe the underside of the barrel with a little gun grease, put a little Loctite or varnish on the screw threads (I used stock finish, just a drop) and then pull it up snug with a good screwdriver. Instant accurizing!

The Browning did not prove particularly comfortable in the prone position. I had to hold my head in an unnatural position, with the heel of the stock barely on my shoulder. Prone is nice with a suitably stocked rifle and a tight sling, but the Browning is stocked more for offhand shooting. Also, a tight sling is only a nuisance on rifles with two-piece stocks, affecting zero so that you lose more than you gain! The little Browning is as good as most in offhand, and for a steadier position you can drop to sitting.

I also noted a tendency for the Browning to shoot a little lower from a sitting position than it did in prone. This will require a slight adjustment in the sights, or a hold-off.

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For purposes of comparison, I also tried out my dad's Remington Model 550A against the Browning. In theory, the Remington should have outshot the Browning, since it has a once-piece stock and a more rigid barrel/receiver assembly. In practice, the Browning outshot the Remington. This may have been due to the Browning's superior trigger, for the Remington seemed to "jump" every time it went off.

Certainly the Browning is no target rifle. It isn't accurate enough for formal competition, isn't stocked prop-

erly for four-position shooting, isn't heavy enough, and will not tolerate a sling. It also lacks a hold-open device, making it difficult to comply with the "bolts open" rule on most target ranges.

But for ordinary uses, plinking and small game hunting, it is "the berries." It is a very pretty gun, with a beauty that comes from quality and not mere decoration. It is a convenient gun, easily taken down for storage and travel. It is a light and quick handling gun. And it's plenty good enough for me!



SINGLEPOINT

(Continued from page 29)

groups were shot which averaged 2.25 inches. The groups fell low and the elevation adjustment was cranked up to its highest to get the shots to drop into the center of the bull. The adjustment was not enough to bring the shots to center. Groups were 2 inches low at this range.

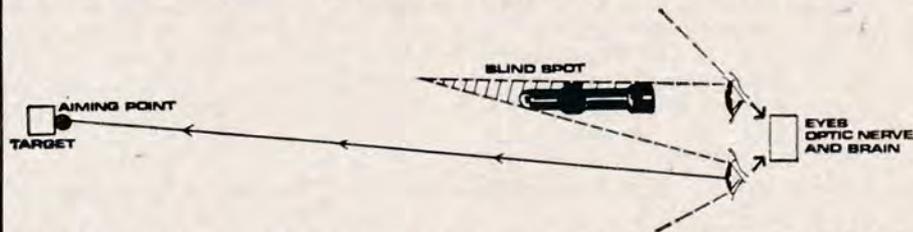
The rifle and its unusual sight was swung over on the 100 yard target. This target held a bullseye in each corner, the whole plastered on a square of cardboard which measures 36" x 36". The dot covers 16 inches at this distance and it was impossible to select an aiming point. No shooting was done beyond the 50-yd. range.

The Single Point was removed from the Marlin and attached to a Reming-

less than 1/2 second to align the gun and press the trigger.

At doubles, the dot was an aid on Stations 1 and 7 on the outgoers, a trifle slow on the incomers. It was less advantageous on Stations 2 and 6. Here the shooter had a tendency to shoot around the sight.

This novel new sighting arrangement seemed to have distinct possibilities for the plinker shooter, so it was removed from the scattergun and attached to a Browning .22 lever action rifle. At 20 yards, on pick-up targets such as cans, bricks, clodes, rocks, grasshoppers and knotholes, it was a real whiz. I found an occasional tendency to crossfire with it. You are looking down the barrel with the



The Singlepoint is designed to make full use of the amazing automatic reflex characteristic of the human eyes and brain: sighting with both eyes.

ton Model 1100 skeet gun, a 12 gauge bored improved cylinder with 26" barrel. A total of 5 rounds of skeet were fired. It was found the sight could be used satisfactorily on outgoing and incoming targets, and was an advantage for the fellow who was undershooting or over shooting these targets. At Stations 2, 3, 4, 5 and 6, it was a help in controlling elevation, but shooters tended, especially on Stations 2 and 6, to shoot not with the aid of the Single Point but more by simply swinging and pointing the gun. This because of the speed which must be displayed on these outgoers. At Station 8—the quick-fire number in the middle of the field—there was simply not time to pick up the dot and place it on the clay. This shot requires

right eye which cannot see anything except the red dot while the left eye actually does the aiming. The left eye is not behind the bore. It is off to one side. For this reason, and especially in my case, I sometimes plunked my shots some inches to the right.

Tried on aerial targets, cans heaved into the air at distances of 30 yards and less, the Single Point was quite effective. The red dot against the sky shows up very prominently and the shooter can get on the flying mark with good speed.

The Single Point is not a telescopic sight. There is no magnification in it. It is somewhat like a peep sight, in that the old conventional bead front sight is now replaced by the red dot.

Practice indicated that the shooter

must fire very promptly with the sight. There can be none of this business of holding dead steady and very slowly squeezing the trigger. If you do that you will find the dot commences to wander. This is because the eyes can coordinate the picture for only a few seconds. During those brief moments the shot must be fired or you will lose the target.

The Single Point is useful for the huntsman who will be stalking his game in extremely dense cover at

very close range. Game like whitetail deer, apt to be spooked and running when the hunter first spots the buck, are proper targets for the Single Point. It most distinctly is not for the shooter who will be taking his trophy at distances beyond 100 yards. The 16-minute dot is simply too large for any consideration at the longer game ranges. But for really quick shots at fairly large game targets at ranges under 65 yards this novel new sight has a lot to offer!



ALASKAN RUSHES

(Continued from page 24)

'73's, '86's, '94's, and '95's. Several oldtimer friends still possess their '95's.

One might draw a tenuous conclusion that the lack of several "standard" arms and calibers also was due to the fact that, unlike most of the aborigines who stoutly but hopelessly resisted the exploitation and appropriation of their land elsewhere in much of America, the Alaskan Indians, Eskimos and Aleuts were surprisingly compliant. Had they fiercely resisted being "taken over," the stampede most probably would have had to depend upon more standardized weapons and ammunition.

Collectors items from this era still show up rather readily. This writer recently acquired a Model '86 Winchester takedown in .45-70 caliber, and the quite rare .236 (6mm) U.S.N. Winchester Lee, sporting model. At the time of this writing a pilot-friend informed me that on a recent flight into the bush he had acquired an octagon barreled '94 Winchester in good condition for \$5. Most Alaskans are more aware, generally, of the value of old weapons.

Next definable rush after that for gold and salmon was about a decade later to further exploit the fisheries and to develop the timber industry and the more rich and accessible mineral deposits, other than gold.

Evidently the weapons used during this rush were essentially the same mixture as that used during the gold stampede. The Territory's population continued to grow slowly up until the start of World War II, and during

this time high power bolt action rifles began to appear in greater numbers, according to sourdoughs. Adding to the popularity of the bolt action rifles was the experience gained by the contingent of Alaskans who entered the service during World War I. Too, by now hunters were beginning to come from all over the world in ever increasing numbers to hunt the big game.

World War II and after brought the next rush, "The hordes of young husky construction workers; the thousands of Air-Based; the swarms of doctors, lawyers, engineers, mechanics . . ." described by Edna Ferber in her book *Ice Palace*. In fact, 70 per cent of Alaska's present population of 295,000, including 60,000 Indians, Aleuts and Eskimos, arrived after 1940.

These new Alaskans, too, brought modern weapons, plus collections they had made "outside."

As the Oil Rush of '70 accelerates, it is certain that the pattern will continue. And it's equally certain that among their numbers will be those who systematically, for the first time, will sweep up the weapons brought north and used during the earlier rushes. In their searches they'll undoubtedly acquire some collections made by others. Some of these might be puzzlers and highly ungeographic—like the small collection of Pennsylvania or "Kentucky" rifles the late Dr. Geist found at Nome on Alaska's Seward Peninsula, roughly equidistant from Asia and the Arctic Circle!



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GUNS AND STUDENTS

(Continued from page 28)

manhood. Borrowing a page from the book of "the gentle people," long hair and VW's turn out to be more valued status symbols than an athletic trophy and a Corvette. Guns are neither valued nor rejected; they are simply unimportant.

There are, of course, many other young people who don't quite fit any of the designated categories. To call them a "silent majority" might be too optimistic. They are silent and under-involved. But, are they a majority? The increasing polarization of values is forcing young people to take sides. And, the choices they are making leave little room in the middle. This is not the same gap alleged to exist between the generations. *The over-thirty set has its own set of values which is not really understood by any of the contemporary youth groups, the Southern frats included.* While one youth group may say (in reference to the country) "love it or leave it," another responds, "change it or lose it." Those of us in the untrusted age brackets above 30 typically believe in *both loyalty and progress.* Hence, *we are not in league with either extremist group.* We are perceived by youth as being prepared to use our guns for self-protection against any overt threat, regardless of its source—panthers, drug-addicted hippies, or what not. We are *not* however, considered capable of "turning on" the police (who are "company men"—our men—or so the logic goes).

Our gun interests of a hobby or recreational nature are apparently beyond understanding. How does one respond, for example, to the cynically-posed intimation that guns are symbols, not only of war, but of (our) "inadequate concepts of manhood in need of reinforcement"?

Yes, *the questions which the gun fraternity is being asked to answer are not about guns at all.* They are, rather, about (1) changing sex roles and symbols, and (2) who should control all significant modern technology, including guns.

The schools are the establishment's biggest fortress. Within it—or around it—will occur the debates over such seemingly tangential questions as the

emerging meanings of masculinity and femininity. They will seem irrelevant to youth's perceptions of guns, but this will not be so. For example, if—as "the peaceful people" believe—"a guy doesn't take advantage of a chick" (since sex roles have been equalized), then defensive weapons for women can hardly be taken seriously. Similarly, if "guys can be as tender, emotional and gentle as girls," then it makes more sense "to dig things like children" than to cultivate a true sportsman's hobby which includes, among other things, guns.

The debates over technology must be watched with extreme care. The on-coming generation may be contemptuous of guns, but still be vitally interested in the political question of *controlling firearms.* Make no mistake about it, they want to be in on the decision. And, it could break dramatically in either direction—that is, toward an abolition of arms (including, especially, those issued to and used by police), or toward widespread illegal and revolutionary ends by almost everybody.

From my vantage point, I see gun restrictions (registration, licensing, etc.) *coming not from the young people, but from misguided adults who fear the restlessness of youth* and hold the extremely unrealistic belief that "drying up the supply of handguns" will take them out of the hands of the young militants (but leave ours untouched). Nothing could be further from the truth.

This article has been written to highlight the kinds of questions which the schools are going to be facing during the 1970's which could have vital fall-out effects on our diminishing freedoms to use and enjoy guns. The public schools and universities are a sleeping giant. If aroused, and guided by competent and responsible leadership, no anti-gun lobby in the country could capitalize on fear, ignorance, or apathy to further bureaucratize the lives of all of us. The anti-gun lobby has deep roots, most of which terminate in the classroom and on the campus. If we fail to aim at this target, we may not get into the real war at all.

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POINT BLANK

(Continued from page 16)

foundation in fact. The cow can eat a half-bushel basket of 12 gauge empties and along with the other trash she fancies go about her way with hardly as much as a bellyache.

Skeet and trapshooting are well publicized sports. There is a third shotgun game which is booming but it gets small play in the local news sheets and even less in the nationally circulated journals. This is live-bird shooting.

Quite a few states have laws which prohibit the gunning of pigeons. Others do not have any specific statutes against the sport but the aficionados are pretty quiet about their powder burning for fear the SPCA will get on their trail. Live-bird shooting events are noised around by word of mouth and like prizefights before the turn of the century are sometimes staged in someone's cow pasture. Somehow this seems to lend a certain aura of charm and the shooting attracts big crowds.

The birds almost always are domestic pigeons. The bird is hand thrown by an individual skilled in the art. He stands directly in front of the marksman and may hurl the bird high in the air, low near the ground, or off at a sharp angle. Beyond the shooter is a circle clearly identified by stakes and wire. The pigeon must be dropped before it crosses this barrier. Unlike either skeet or trapshooting the live-bird man may fire two shots. Very frequently the skilled gunner will hit and kill his game with the first round and drive in the second just to be double sure. It is perfectly legal.

It is a money game and the winners walk off with sizeable pots. By the same token the entry fees are on the stiffish side. Unlike the clay target sports where a 100-target match is customary, the pigeon is shot in 10 and 20-bird events. For the shotgunner to put the arm on all 20 birds is quite outstanding. The flesh and bloody flyer does not travel down a groove like the clay saucer and for this reason long runs without a miss are rare indeed. To conserve pigeons the man who misses a bird is sometimes eliminated at the half-way mark and only those with clean slates are permitted to finish out the match.

There is a lot of skulduggery in the game. The thrower is the real scoundrel. He looks at the shooter and depending on whether he wants him to win or not may squeeze the bird until

it is half smothered. The target then flies slowly and poorly and is thus an easier mark. Too, he sometimes plucks all the tail feathers and when the pigeon is thrown it has no rudder and its flight is erratic to an extreme.

In Spain, where I used to shoot live birds for 9 months of every year the Spaniards would have no part of the hand-thrown game. The birds were sprung from a trap. Thus the hanky-panky about squeezing the mark half to death was eliminated. The trap—there were 5 of them in the segment of a circle—was operated from a control which looked like an IBM machine. This device selected the trap among the 5, and when the button was touched the machine caused the one trap to open and release the bird. It was completely out of human hands once the button was punched. This made for fairness and no one could complain of fast footwork at the cross roads.

In the Madrid Tiro de Pichon there is an annual kill of 55,000 birds. Raising pigeons for the clubs is big business and you see the cotes all over Spain. The target most highly prized, however, is not raised domestically but is trapped during the annual migration in the tops of the Pyrennes. The game is netted by the Basque peasants and when fetched into Madrid draws premium prices. The completely wild pigeon, taken during the fall migration is the strongest flyer of all. It is released only during the more important competitions.

One day a fellow named James R. Smith, who has a hobby of collecting antique guns, was rummaging around in a junk dealer's place in Seattle. There he unearthed an old Winchester Model 1873 lever action which the bottles & rags man told him he could take away home for the princely sum of four dollars and fifty cents. Smith, the collector, took it home and when he cleaned it up he found engraved on the old musket the words, "One of One Thousand."

Of the 720,610 rifles of the Model 1873 made altogether only 135 were marked with the magic lettering. Each of the "One of One Thousand" rifles was the most accurate of every one thousand '73 made. The rifles usually had set triggers and were engraved on top of the barrel just ahead of the receiver with the distinguishing sobriquet. The Winchester was manufactured from 1874 through 1881 except

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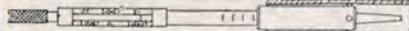
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for three guns. The exact dates of manufacture of this trio is unknown by Winchester but it has been established that two were shipped from the plant in 1893 and one as late as 1900. These three bear serial numbers in the 450,000 series. All the other 132 rifles have serial numbers many thousands lower.

Three movie prop rifles which were made up for the cinema, "Winchester '73" and numbered 551,816 and 703,161, as well as 706,716, are strictly phonies.

The "One of One Thousand" rifles are valued these days in the thousands of dollars. Winchester turned out more than six million rifles all of which are now obsolete. Among these many the Model '73 with the glittering lettering is sought most of all. Despite the intensity of the search, but 33 of the rifles have ever been found.

The thirty-three rifles which have turned up have had some interesting careers. During the late seventies and early eighties the "One of One Thousand" guns were the most prized a man could own. The old time movie, "Winchester 73" is supposed to be based on a true story about the highly accurate shooting iron. John Morley of Lodi, California, inherited his "One of One Thousand" from his grandfather who had been a stage coach driver. Granville Stuart, Lewiston, Montana, was given his Winchester by his grandfather who discovered gold in Montana and later became the U.S. ambassador to Uruguay and Paraguay.

William Lyman, the inventor of the Lyman gun sight, gave one of the "One of One Thousand" models to D. W. Peckham of Middlefield, Conn., who still proudly possesses his prize. George Lewis took one of the Winchester to Alaska with him. He developed a copper mine about sixty miles from Juneau but lack of transportation and bad health forced Lewis to abandon his claim. He dipped his "One of One Thousand" in melted bear tallow and dropped it down the mine shaft. It is there today most likely for Lewis thoughtfully closed the shaft with a big charge of powder before he abandoned the diggin's.

It isn't any wonder that the "One of One Thousand" rifles have perked up the interest of the boys who collect the old timers. Peckham the Connecticut owner has refused \$500 for his '73 Model. In an ad in one of the shooting magazines another owner offered his rifle for sale with the statement, "best offer over \$1150." Still another recently changed hands for \$1500. With only approximately one-fourth of the rifles accounted for there is a good

chance that many are in attics, down in cellars, and in junk piles gathering dust and rust. With each passing year those in the hands of collectors and those not yet discovered will increase in value.

In 1876, a "One of One Thousand" was specially made for Alfonso XII, King of Spain. It was No. 19,005. This rifle was superbly engraved and finished in such a manner as to be appropriate for the kingly use. A search of the military museum in Madrid has failed to turn up this rifle. It is generally credited with being the most valuable of those that were made.

There isn't a more famous fighting blade on this continent than the Bowie knife. It was not given that name until its designer had gone down fighting in the Alamo. Bowie died, blade in hand, and afterward the big fighting knife was named after him. James Bowie was a salty cuss and the last scrap he made at the siege of the Alamo was by no means his only one. He swept through the south and the west a century and a quarter ago, almost constantly embroiled in deadly vendettas. A good shot, Bowie did not resort to either rifle or pistol to settle his quarrel. He invited the other hombre to catch the opposite corner of a handkerchief and they stood up toe to toe and hacked each other to ribbons. That he survived these duels spoke pretty well not only for his durability but also for the goodness of his knife and his skill in its use.

The Bowie knife was designed by its owner. It was made by a blacksmith named James Black and was 12 inches in length, with the blade sharpened both top and bottom. It was made of 3/8-inch steel and weighed 2 pounds. After Jim Bowie cut such a wide swath through his opponents with the blade, James Black got a lot of business. He was pretty secretive about the manufacture and when pressed as to how he tempered the knives he really clammed up! On his death bed he was queried as to just how he prepared his steel. There were twelve steps in the process, he claimed, but just what they were he could not remember. The secret, if there was one, died with blacksmith Black.

One of the most famous manufactures of fighting blades is the arsenal in Toledo, Spain. The fame of the Toledo sword reaches back almost a thousand years. It has always been claimed that the fine temper is achieved by quenching the blade in the waters of the Tagus River which flows beside the arsenal. Then there is another saga that the temper is achieved by

plunging the sword into a vat of fresh milk. This does not sound nearly so romantic and for these reasons it is the preferred story that it is the Tagus that contributes to the goodness of the Toledo cutlery.

The Samurai warriors of ancient Japan had swords that were secretly made but the temper of the steel was no mystery at all. A luckless captive, usually a slave and not necessarily a foreigner, was led forward and the partly finished blade was run through his body. Blood trickling down the steel was supposed to give it the precise temper that was sought.

That famous city in Germany, Solingen, has a lot of standing when it comes to cutting steel. Not so much, perhaps, for fighting blades but more for the goodness of belt knives, pocket knives, and the like. There is a big importation of Solingen-made cutlery these days. But Solingen is a city and not a single factory and like Sheffield in England, the honors are divided among literally hundreds of makers, both large and small. It is said that there are a full 1100 manufacturers in the German town. And certainly scores in Sheffield. It takes some of the glamor off the product.

In this country we have a lot of knife makers. Big outfits like Kabar, Buck, Olsen, Gerbers, turn out thousands of blades every year. And these are some of the best. But, unquestionably, the most romantic of our knives are made by the little fellows. The one-man operation where, like James Black, the artisan manufactures only a few hundred knives during the twelve-month. One of these is Randall. So popular is the Randall knife it requires 56 weeks to get delivery.

Such outfits as NASA order Randall knives for their moon-traveling astronauts. Every big game hunter aspires to pack a knife from this very well known Florida maker. The Randall is made for both hunting and fighting and Capt. Allen Pope, our ranking soldier of fortune, was carrying a Randall fighting blade when he was shot down over Ambon Harbor in the East Indies. Pope languished in jail for 4 years, half of the time under sentence of death, before he was sprung. His Randall blade was not returned to him when he finally was freed. After that he went to the Orient with another Randall fighting blade a part of his essential gear.

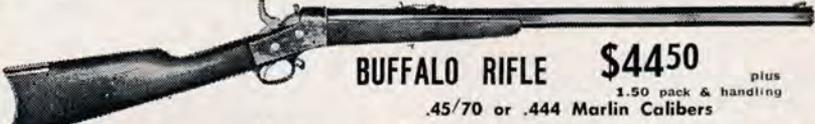
A Randall hunting knife will cost about forty dollars. This is a lot of money but the cutter will last a lifetime and after that be passed along to a son and last him another half-century. Randall, who makes his blades in a backyard workshop has a lot of logical ideas about the kind of a knife

the huntsman needs. "A knife," Randall explains, "big enough and long enough for any skinning purpose should not be over 7 inches in the blade. A lot of fellows come to me and want to order knives that are as big as a Bowie. They simply cannot control a blade that big."

He believes that a hunting knife

should have a blade of from 4¾ to 5 inches in length. "That is about an ideal size," says the famous blade-maker. He finds, too, he tells me, "that too many sportsmen want one knife to do everything. From peeling the hide on a 1500-lb. moose to caping out a Dall ram. That is asking too much for one knife."

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(Continued from page 11)
failing under any reasonable pressures. Essentially the same results can be obtained from .38 Special or .357 Magnum cases without reaming the necks, but it will be necessary to turn down the rim and cut a new extraction groove. The latter makes it more of a job than using .222 brass.

With cases of one sort or another at hand, there are plenty of different bullets that may be used. The original 87 grain full-jacket bullet is available from Norma, or the 93 grain .30 Luger bullet may be substituted for it. A variety of other jacketed bullets from the 77 grain .32ACP up to the 115 grain .32-20 may be used in either full-jacket of soft point form. Likewise, cast bullets in the same weight range will do well if made of a hard alloy. Lyman offers several different .30 and .32 molds which turn out bullets that are suitable when properly sized to .308"-.309". Nominal groove diameter of the Tokarev barrels is .308", but many run oversize and bullets up to .310" may be used safely in all of them.

I've found the loads in the chart to produce reliable functioning in several Tokarev guns, including some of Chinese manufacture.

Any similar bullets of proper diameter may be used by cutting back on the above charges, then working up in 0.2 grain increments until reliable gun functioning is produced. Feeding with semi-wadcutter and blunt-nose bullets does not present any great problem in the Tokarev because of the bottle-neck nature of the case which funnels almost any shape bullet into the chamber reasonably well.

A Tokarev in good mechanical shape (and more than a few I've seen were not) is entirely safe to fire, regardless of what rumors you might have heard. It does not, however, have any manual safety other than a half-cock hammer position.

The non-7.62mm example cited earlier is an improved version manufactured in Hungary for Egypt and chambered for the 9mm Parabellum cartridge. It has a manual safety

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added at the left rear of the frame, but the few I have examined permitted the safety to be overridden by a very hard pull on the trigger. I don't like that very much. This version is clearly marked "TOKA-GYPT 58" and is also readily identifiable by the safety just mentioned and by its Walther-type plastic grips.

Winchester-Western, even more conscious of the handloader's wants and buying power, is now offering a special components catalog which greatly simplifies selecting the items you want or need. If you haven't seen this brochure yet, drop down to your local gunshop and look at a copy.

Though it isn't strictly a handloading publication, a new book that will be of considerable value is now being offered by the Stackpole Company, Harrisburg, Pa. Titled simply, "The Firearms Dictionary," it has been compiled and written by R. A. "Bob" Steindler, long familiar to readers of gun and shooting magazines. Bob's writings have appeared in nearly all of our shooting publications at one time or another, including this one during the several years he was its editor. This dictionary contains better than 1,800 firearms-related words and terms in both English and other languages. It is not limited to single and hyphenated words, but includes many complete terms and phrases peculiar to firearms and ammunition. For example, "Auxiliary Barrel," "Pedersen Device," and "Primer Residue" are clearly defined. Since many such terms or combinations of words have special meanings in reference to guns, this type of definition is far more useful to the layman than that of the words themselves. The book is well illustrated which greatly enhances the value of mere words in making things clear. All this doesn't mean that I agree with each and every one of Bob's explanations and definitions—but this book will make a most useful addition to most shooting libraries. From Stackpole or your favorite bookstore at \$7.95.

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The HPC Corporation, MF Dept., P.O. Box 1532 Dalton, Ga. 30720

BROWNING has announced the new "Medalist International" .22 caliber target pistol. It meets all requirements under the ISU regulations. Select walnut grips, full wrap around with thumb rest, scientifically contoured for the most sensitive control when firing. Rear sight is



click adjustable for both horizontal and vertical corrections. Front sight is 1/8" wide, non-glare removable blade on a ventilated rib. Ten round capacity, 5.9" barrel length, 42 ounces, empty. Fires .22 long rifle ammunition. Priced at \$132.50, including padded vinyl case from authorized Browning dealers.

A NEW SPECIALTY item for ammunition reloaders is a self-contained unit which pulls bullets of all popular sizes without need for clips or other accessories. A specially engineered chuck assembly grips and holds the cartridge. The user



merely pushes the round into the chuck assembly, twist-tightens the cap, and raps the unit "hammer style" to pull the bullet. Unit sells for \$9.95 from Quinetics Corp., Dept. G-12, 4660 Beechnut, Houston, Texas 77035.

AMERICA'S 19 million hunters who like to use telescopic sights can mount their scopes atop their rifles and still be able to use the iron sights with the new Ironsighter scope mount. It is a stationary mount with an elliptical "see-through" base which gives a clear, full time view



of the scope or iron sights. Mounted directly over the bore. Fits over 35 popular rifles, including .22's with grooved receivers. For more information, write J. B. Holden Co., Box H-1495, Dept. G-12, Plymouth, Michigan 48170.

SHOPPING WITH Guns

ANNOUNCING the new D & M Sporter Kit to make your M-1 Carbine look and handle just like the M-16! No special tools needed to modernize any military or commercial semi-auto M-1 Carbine in just minutes. Kit consists of: stock with butt plate; pistol grip; hand guard; front sight with bayonet lug; rear sight; stainless steel muzzle brake.



Stock is finished in dull black lacquer. Front sight and rear sight base are made of a strong but light weight aluminum alloy. Bayonet and bipod for M-16 not included with kit. No license needed to order. State whether Universal or G.I. Carbine. Complete kit only \$59.95, plus \$1.50 for postage and handling. Illinois residents add 5% tax. D & M Distributors, Dept. G-12, 17 Godier Dr., E. St. Louis, Ill. 62203

THE ROGER 008 is one step ahead in automatic air guns. Finely balanced, sculptured grip, grooved thumb rest and 10" barrel. Over 100 consecutive shots; magnetic feed—just raise the gun to fire and the chamber fills automatically. A continuous power range for target work to



small game. Adjustable rear sight. No permit required. Perfect gift for son or man. Priced at \$20.00, the gun comes with BB ammo and a giant CO 2 cartridge. Send check or money order to Nelson Brand, Dept. RG, P.O. Box 1023, Fort Lee, N.J. 07024.

NAVY ARMS has added the Third Model Dragoon to its line. This is perhaps the most sought after and most popular model of all the Colt Dragoons. Frame and loading lever are case hardened. Trigger guard and back strap are highly



polished brass. In .44 caliber with a 7 1/2" steel barrel. Weight is about 4 lbs., 2 oz. Price is \$100.00. Matching shoulder stock is also available for only \$45.00 from Navy Arms Co., Dept. G-12, 689 Bergen Blvd., Ridgefield, N. J. 07657.

SERIOUS SHOOTERS are giving top marks to Redfield's new 6X-18X as an excellent all-round scope for big-game hunting, varminting, or bench rest shooting. This versatile new scope offers all the power needed—yet variable magnification to read mirages or achieve a wider



field of view at lower power. A wide choice of reticles is available. For details, write for Redfield's free 1970 catalog. Redfield, Dept. G-12, 5910 E. Jewell Ave., Denver, Colorado 80222.

NEW BENJAMIN "Super Single Shot" air rifles offer power, accuracy, economy, safety and dependable operation, all in one gun. The Model 342 has a new push-pull safety, right under your thumb. Silent and positive! It is bolt action, has a stepped leaf rear sight with square notch fully adjustable for elevation and windage. The barrel has a gun metal finish and the new rugged ramp front sight has a square top. Weight is only 6 pounds and the overall length is 35". Available in caliber .177 (rifled), caliber .22 (rifled) and caliber .22 (smoothbore). Priced at only \$38.45, this has to be one of today's best buys in dependable, easy to use air rifles. Many other models to choose from, as well as accessories. Write to Benjamin Air Rifle Company, Dept. G12, 807 Marion St., St. Louis, Mo.

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A TERRIFIC gift idea! The world's smallest revolver is here. Only 1½" long and it weighs under one ounce. Precision made in Austria, handsomely finished in nickel, silver or gold. Serves as cuff-links, a tie clip, key-chain or bracelet



charm. Fires only harmless blanks but the report is loud. Operates just like a six-shooter. Prices start at \$6.75 for the nickel plated model. Send to P & R Enterprises, Dept. G-12, 4150 Maynard Ave., Oakland, Calif. 94605

A MUST for all outdoorsmen. Famous Tru-Nord Compasses brings you Model No. 200-C. The famous original pin-on compass with patented lock on 2" long fastening bracket. Radium tipped quick reading dial. Water proof, sealed and threaded, screwed together case. Space age cobalt high magnetic steel magnet gives this compass the stability of the



liquid type without its disadvantage of being subject to climatic conditions. Tru-Nord pin on is the favorite of the professional guides and outdoorsmen such as Tony Dauksza, big game hunter and wildlife photographer. From Tru-Nord, Dept. G-12, Box 365, Brainerd, Minn.

GANDER MOUNTAIN, Inc. begins another decade of mail order service and supply to outdoor sportsmen with a big, new 120-page catalog, No. 11. Gander Mountain continues its tradition of name-brand merchandise at competitive prices



and new warehouse facilities enable them to add many new items for hunters, shooters, reloaders, fishermen, campers, hikers and archers. The catalog is free. Send post card or letter to Gander Mountain, Dept. G-12, P.O. Box 6, Wilmot, Wisc. 53192.

DON HUME Leather Goods has introduced a new off duty holster for the 9mm auto called "Agent 9." Made of heavy saddle leather, the "Agent 9" is wet moulded for snug fit, and stitched with waxen linen thread for durability and long wear. Designed originally for



the Ill. State Police, it has been field tested for over two years. Maximum concealment, gun is easily accessible, no retaining straps or snaps. Retail price is \$4.50 from Don Hume Leather Goods, Inc., Dept. G-12, Box 351, Miami, Oklahoma 74354.

TELE-OPTICS of Chicago now offers service and repairs for all makes of binoculars, telescopes, spotting scopes, rifle-scopes, and barometers. (wholesale & retail). Their retail sales include binoculars, telescopes, spotting scopes, rifle-scopes, and weather instruments. They



also are an authorized dealer and sell and repair for Carl Zeiss, Bausch & Lomb, Bushnell Opt. Corp., Nikon, Realist, Swift, Tasco, Scope, and Airguide. For further information write Tele-Optics, Dept. G-12, 5514 Lawrence Ave., Chicago, Illinois 60630

TO TAKE the effort out of loading BB guns, The M. G. Bauer Co. has invented an EZZE BB gun loader. The loader, compact, automatic and easy to use, was developed to avoid spilling and dropping of BB's when loading BB guns.



It features the use of clear plastic and spring action. Available through mail order for \$1.00 (postpaid). Dealer inquiries welcome. Write to M. G. Bauer Co., Route 1, Box 15, Dept. G-12, Bismarck, North Dakota 58501

JAVELINA Company, makers of Javelina, the ALOX-2138F-Beeswax Bullet Lubricant, announces that a coupon for obtaining Dacron fiber is now enclosed with each stick of lubricant. This material is recommended by the NRA as a case filler within cases that are only partially filled and improved ignition by holding the loose powder granules to the rear of the case. When used in conjunction with the ALOX-Beeswax bullet lubricant velocity is greatly improved. Available from most dealers and jobbers. If your dealer cannot supply you it can be purchased direct at 85¢ per stick postpaid or 4 sticks for \$3.00 from Javelina Co., Dept. G-12 P.O. Box 337, San Bernardino, California 92702.

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BOOKS

THE AK-47 ASSAULT RIFLE

Edited by Wyant Lamont
(Normount Armament \$3.50)

For the first time in the free world, complete practical and technical information is given on the only weapon to be produced in an estimated 30,000,000 units: the AK-47 Assault Rifle and its variations. With over 150 pages and more than 100 illustrations, this comprehensive volume covers all aspects of the weapon from history, identification, production origin and parts nomenclature, to firing, stripping, storage and firing tables. Includes exclusive complete translation of an official Russian technical manual.

One of the "must" books for the serviceman who might use the AK-47 in the future or who has used it in the past. H.A.M.

1873 "TRAPDOOR" SPRINGFIELD, M 1873 COLT, S&W SCHOFIELD

Edited by Donald B. McLean
(Combat Bookshelf \$1.50)

Many weapons are covered in the 47 pages of this booklet. The "Trapdoor" Springfield, the first official standard breech loading rifle in the U.S. Military Service, and the rifle Custer had at the battle of the Little Big Horn, the famous "Peacemaker" .45 Colt revolver and the S&W Schofield .45 revolver—the guns that were used in most of the Indian Wars, the guns that tamed the West.

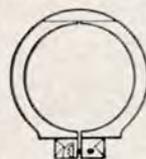
The description, use and maintenance of these famous weapons is covered in good detail with excerpts from official Army handbooks, issued in the 1800's. Excellent line drawings accompany the descriptions of parts and accessories for the guns. The book is full of colorful details from firing tables to instructions for refinishing and rebrowning the rifles. This book is an excellent work for the owner of any one of these weapons and makes interesting reading for the casual collector. H.A.M.

THE HANDGUN

By Geoffrey Boothroyd
(Crown Publishers \$19.95)

The Handgun is a comprehensive and detailed study of the evolution of the most personal of weapons, from the matchlock to the modern day automatic. With over 800 illustrations, many that have never been photographed before, it covers the many uses of the handgun as a weapon of war, as a duelling pistol, or as a weapon for competitive shooting. R.N.M.

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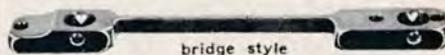


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BRITISH AND AMERICAN INFANTRY WEAPONS OF WW2

By A. J. Barker
(Arco \$3.50)

In this well written book of 76 pages containing many pages of photographs and illustrations, Lt. Col. A. J. Barker of the British Army describes all the many infantry weapons used by both the United States and Britain in World War II. He gives a lot of consideration to illustrating the items as well as possible and the book includes good, clear photos of each weapon as well as many pictures of the guns being used in actual combat.

Not only rifles and pistols are covered, but also small artillery, mortars, launchers and the British "Ack Pack" flame thrower with a clear illustration of that weapon's mechanism. Ammunition interchangeability tables, mortar ranges for both Allied and Axis powers are listed in comparative charts for all the weapons covered in the book and much more for the collector or casual observer. An excellent book for reference and casual reading. H.A.M.

THE GUN THAT MADE THE TWENTIES ROAR

By William J. Helmer
(Macmillan Co. \$7.95)

For the automatic weapons buff or the fancier of the "twenties," this book is both a delight and a concise history of the gun that did just what the title says. It is the story of a man and a gun, a time and a place in American history when the need for a weapon of this type was urgent. It is the story of the Tommy Gun which eventually became the front line weapon of criminals in the 20's and 30's.

Helmer re-creates a part of America's recent past and the reader feels the rub of excitement, patriotism against heartbreak, financial skulduggery, tragedy and crime. The book also offers precise descriptions of how the gun was developed, the successes and failures encountered and in the back there is a re-print of the original 1921 manual. There are over 30 pages of excellent photographs showing the original Thompson Auto-rifle, various prototypes, and the gun's creator, John Thompson.

The book contains 286 pages and is written in an easy going style that makes it a pleasure to read, as well as an excellent reference source. H.A.M.

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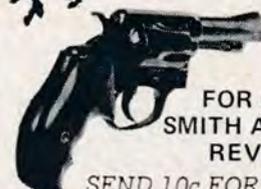
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GUN RACK

S&W Escort

The new Model 61 Smith & Wesson .22 caliber auto pistol, known as the "Escort" may very well take all honors as the smallest handgun currently in manufacture. It is just too tiny to be believable! I can, for example, get one finger around the grip. That's all, one finger. The trigger pull is 6¾ pounds and when you have to hold a gun against a pull that heavy you have a real chore hitting anything.



The pistol has a 2½" barrel, an overall dimension of 4¼" and a height of 3¼ inches. It weighs 14 ounces fully loaded. The clip holds 5 long rifle cartridges with a 6th in the chamber. Some 300 shots with both standard velocity and high speed long rifle loads indicates it digests either without any malfunctions. A test with .22 Shorts was a failure. The slide has an extra long travel and the Short cartridge simply does not have the "oomph" to push it back far enough to give reliable ejection. This latest S&W has some novel features about it. The slide lies completely above the barrel which is fixed in place. It is swiftly removable by lifting out the front sight, whereupon the slide, operating spring and spring guide are removed. The pistol is a hammerless but an indicator on the left side of the receiver protrudes to show when the gun is cocked. There is a safety which blocks the trigger. The pistol fires with a

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**THE
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R. A. "Bob" STEINDLER



This long-needed treatment of gun language goes beyond mere definition to explain, picture, and relate the common, the hard-to-understand, the often misused terminology of firearms, ammunition, accessories, and gun-firing techniques. For the historically curious it reflects how many of the terms came to be known as they are today.

Terms and phrases are listed according to the major category word and cross references appear continuously. Secondary references are commonplace, and refer you to other entries that will expand your understanding of a particular subject. The clear-cut definitions are presented fully under the term most closely understood to be the correct technical term. For instance, most of you have probably heard of a *blue pill*. The correct technical term is, of course, *proofload* and if you looked up *blue pill* you would find an entry which refers you to the more accurate technical term.

What about trade names? When a particular product—because of its long and respected usage—has come to be referred to universally whenever that item, regardless of manufacturer, is discussed, that trade name has become a part of gun language and as such is included. An example is *Luger*, often used when describing pistols of similar design.

Important mathematical formulas of interest—reduced to simplest terms—are here, and nearly 200 illustrations—photos and drawings especially made and selected for this book—show in detail exactly what is being explained, mostly in particularly uncommon entries.

The Firearms Dictionary for the first time brings into focus the current terminology of this broad, technical, and sometimes confusing field. It untangles for everyone who owns, uses, writes and talks about guns and things that go with them, all the complexities of this special language. In dictionary form, it is more an in-depth, illustrated exploration of gun lore and language and will be useful to even the most casual reader about or user of firearms.

288 pages
Nearly 200 illustrations **\$7.95**

Bob Steindler's credentials are a testimonial to his ability to produce this long-needed reference. A free-lance writer, collector, experimenter, and shooter for most of his adult life, he has been editor of two gun magazines, frequent contributor to many publications featuring gun writings, authored three previously published books, and has close associations with all the influential figures and organizations throughout the firearms fraternity. His widely-known technical skill comes through clearly in this successful attempt to cover and define the complicated language of guns.

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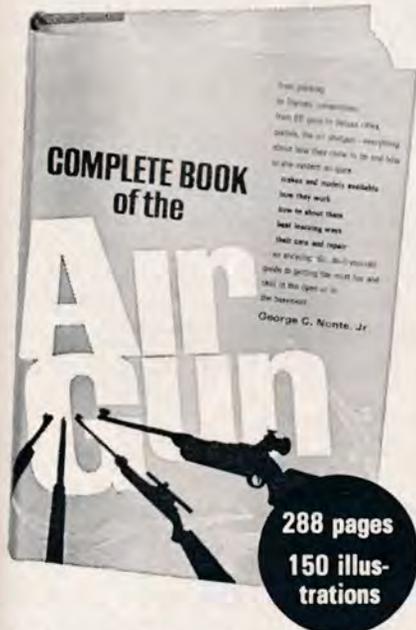
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striker. Shot at 20 feet it struck 8½ inches low. This is because the line of sight is three-quarters of an inch above the bore line. Groups of 10 shots at 20 feet ran an average of 5.3 inches, offhand. The lilliput qualities of the one-finger stock, the 14 ounces of weight, plus the 6¾ pound trigger were not conducive to a high order of accuracy. This pistol is not a sporting arm. It is supposed to be for self-defense.

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The 125-gr. jacketed round nose softpoint was driven by 7 grains of powder and 10 rounds averaged out for velocity at 1166 fps. This bullet ran .3572" for ten that were miked. Actual weight of the slug was, on the

average, 124.5 grains. This is very close.

Of these four different loadings, the most accurate was the 146-gr. jacketed sharp-shoulder. Groups at 25 yards from the HEG rest averaged 1.7 inches. The poorest of the rounds was the 158-gr. which ran 6 groups of 5 shots each of 2.1 inches. Tested on water-soaked, baled newspaper, the 125-gr. softnose looked best. It consistently showed the most expansion. The second best was the 140-gr. jacketed hollow point softnose. With another 100 fps velocity it would have performed quite convincingly. The poorest of the lot was the 158-gr. solid lead which would not upset at all. Obviously the bullet is too hard and its velocity is too low. Recoil with all four loads was quite mild indicating that powder charges are on the mild to light side.

FIVE GUN DEALS

(Continued from page 31)

horse pistol barrel with front and rear sights, and a spare three leaf rear sight common to the Civil War Minie Rifle. I might add that none of these items were replicas either, but the genuine article, well preserved and serviceable, even though seventy or more years old or older. Oh yes, just in case that you might be mildly interested in the prices of those parts I just mentioned, allow me to enlighten you. That long musket barrel cost me one buck, the lock \$2.75, the horse pistol barrel \$0.68, and the three leaf sight just one dime.

So go ahead and cry fellows, while I do a little sniffing myself. You see, such memories are even worse for me to recall, for after all, I was there in person, when the price was right. Unfortunately, I kept putting off the buying of such bargains as \$19.00 Remington .44 Cap and Ball Revolvers, and \$3.50 "as is" Sharps .52 caliber carbines until it was much too late. But what is even worse—did I learn anything from this very sad experience? Oh hell no—not me, for moving on down into the 1950 period, when the used Remington Rolling Block Rifles and the fine little .310 caliber B.S.A. Martini Rifles were selling for \$5.58 and \$9.99 respectively, I goofed again. I suppose then that the moral to this first of my five tales would be—if you want a gun bad enough—buy it now, don't wait.

Of course sometimes a man will goof on a rare gun deal, and yet somehow come off all the better for it, if not financially, at least morally. This second tale is a good "frinstance"

of what I have just referred to.

Some years ago, while on one of my infrequent assignments to a state-side Army post, I became involved in an "almost" gun transaction which still makes my mouth water when I think about it. This affair popped up one day when a young lieutenant phoned and asked if he could bring a beat up old gun over to my office. Maybe I could identify the thing and tell him what it was? Maybe I might even be interested in giving him a few bucks for the old wreck as a decorator or something? Maybe I could even get some good parts out of it? In response to such questions, I told the lad to bring the gun over, and I'd see just what type of a firearm he had there. A short time later, into my office he walks with "the beat up old gun", and I immediately had some difficulty in suppressing my enthusiasm. After all, a sharp gun trader must maintain a poker face at all times, right?

As I ran my hands over that fine old piece, and gently worked its action, the lieutenant informed me that the "old thing" had once belonged to someone in the family who had fought in the War Between the States. Apparently the gun had been preserved, tucked away, and then forgotten until fairly recently, when it was given to the officer as a family heirloom. After a time, he rather apologetically asked me if perhaps I might consider giving him twenty dollars for the rifle. I might add, that coincident with his mouthing that offer, I could distinctly hear Old Nick whisper in my ear

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A few days later, after I'd had my fill of temporarily possessing this rare gem of a firearm, I phoned the officer and asked him to drop by my quarters. When he arrived, I very reluctantly handed it back and informed the owner as to just what it was that he had there. You're right friends—you guessed it. That "beat up old gun" was a genuine brass frame Henry Rifle, not only complete in every detail, but even still shootable. When I reminded the young sport that he had offered me this priceless rifle for a mere twenty bucks, he immediately turned a rosy red, and started giving out with the thanks. Snatching up the rifle then, he left with all due speed. Sure I lost out on an exceptionally good deal that time, but at least I can still stand my own reflection in the mirror when I shave. As for the second lieutenant and his Henry Rifle, the last word I had of him is certainly worth repeating. When he takes an extended trip these days, he stores the Henry in the local home bank vault. The moral to this second tale then is "honesty is the best policy"—I guess?

By way of contrast, this third tale doesn't seem to have any moral to it at all, but I'll just go ahead and tell it anyhow. This time we will flit back to the California of 1943, when I was a brand new second Looie myself. Being in a training regiment at the time, I was lucky enough to be able to have my wife with me for a few months. Then as far as my wife was concerned, she was also lucky enough to have some friends living in California, who were originally from the east coast; her best girl friend's parents to be exact, and when the girl friend came west on a visit, we went with her to see the parents. The girl's father, a former fighter pilot from World War I, was a very interesting man, and in no time at all, he and I were the best of friends. Several visits were thus made and exchanged, and then one evening, when we were visiting his home, the World War I "Fly Boy" popped this little surprise announcement at me. "Don" he said, "I have a bag full of old pistols I'd like to give you, if you'll have them. You know what happens to a guy's pet guns when he has only a daughter and shooter both, I know that you'll take care of my old pets." And then, before I could say a word one way or the other, he took off out of the

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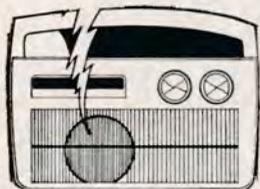
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room. Shortly thereafter, he came back into the room and handed me a heavy cloth sack, just bulging with odd shapes. And now friends, let me give you an inventory of what was in that little firearms grab-bag.

The first item I pulled out of that bag was a Spanish Army revolver in very good shape. Then a small .31 caliber LeFauchaux Pinfire revolver. Next a large 12mm revolver of the same LeFauchaux Pinfire design. Needless to say, by this time, the sight of the goodies just mentioned had me quite convinced that Christmas had come around again in June, so I could hardly wait to see what else I could snatch out of that fascinating old bag. As it was then, when I started to take the oil paper wrappings off the next piece, and it turned out to be an almost perfect Colt Navy Revolver, Model 1851, I was completely bowled over. When I tried to stammer out my thanks, my friend gave out with a big grin and said "Just keep looking, there is two more pieces in that bag."

So I dove back into that bag and hauled out a handsome long barreled Colt .41 D.A. Revolver, which had seen service during the Boxer Rebellion back in 1900, and one other smaller handgun. An original, and almost mint condition Henry Deringer cap & ball pistol, all wrapped up in a man's sock for safekeeping against scratches and other damage. Need I say more? I guess not, but if you folks have been covering the bigger antique gun shows over the past few years, you will be able to appreciate the value of the contents of that little cloth bag.

My hot pilot buddy from World War I is long gone now, but every time I show off that Deringer and the Navy Colt, I always think of his big grin as I worked on that bag of pistols. As I stated before, there is no moral to this tale, but I will have to admit that it is a perfect example of exceptionally welcome, plain dumb luck.

The fourth tale has as its setting, one of the lesser streets of Paris that run parallel with the famous Champs-Elysees. It was April, the time was 1949, and my wife and I, who were stationed in Germany, had taken one of those quick vacation jaunts to the "Fun City" of France. In other words, we were on one of those typically American tourist trips, in which you try to crowd a year's worth of sight-seeing into a mere five days. And so it was, that after three days of sight-seeing along the Champs, we decided to leave the great boulevard, and see how it was on the next street over. One of those ordinary, non-tourist

streets where authentic Frenchmen can be seen doing all those things that Frenchmen normally do. In a few moments we were strolling along that next, and much more quiet street, and we both enjoyed viewing the many little shop windows we passed. Then, just as we prepared to cross over to the next street, my wife remarked rather casually, "I'm surprised that you didn't notice that flintlock pistol back there." "What pistol, and back where?" I asked, my trained ears perking up at the mere mention of an antique firearm. "Why back there in that furniture shop window." the light of my life answered.

So losing not another minute, I grabbed the light by the arm and dragged her back to the store window she had spotted a few minutes earlier. Sure enough, there was a real nice little flintlock pocket pistol with a demountable barrel on display in the window. It was the only firearm in sight though, for the rest of the window display was crammed full with fancy dishwear, and other gadgetry near and dear to the female heart. After looking at the little pistol for a time, I decided to go in and at least enquire about the price.

Fortunately for me, the owner spoke reasonably good English, for I spoke not a word of French. "Monsieur" I asked very politely, "how many Francs are you asking for the little pistol in the window?" In answer, the storekeeper went over to the window, picked it out and brought it to me. "For thees pistole M. Capitan, I only require a mere — — Francs." "— — Francs!" I blurted out, feigning surprise and shock. "That is much too many Francs for a poor soldier to pay, Monsieur." And as I uttered those words, my eyes accidentally alighted on the mate to the pistol we were discussing. It was on a small wall shelf behind the shopkeeper, and almost immediately a plan formulated in my gun happy brain. Taking my wife by the arm, I turned to go, but stopped and said "I am sorry we could not have made a bargain Monsieur, but after all, — — Francs is a considerable sum." And then I added as a sort of after-thought "Of course you did mean — — Francs for the both of them didn't you?" The shopkeeper shrugged his head, thought for a moment, and then said "Of course M. Capitan, I do not know much on thees pistol. They are much old and of a small value."

Shortly thereafter, Mrs. D—and myself walked away with a matched pair of early 19th Century Flintlock pocket pistols at a price, which even at this late date, embarrassment prevents me from mentioning. What with the then

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rate of exchange between dollars and Francs, my conscience kept reminding me that though the shopkeeper probably knew quite a good deal about furniture and bric-a-brac, he knew absolutely nothing about firearms.

After a time however, I soothed my troubled conscience by recalling how just a bare five years before, we Americans had helped to give Paris back to the Parisiens. Then, after also reminding myself that the Fourth Republic still owed our country millions of dollars in unpaid war debts from the 1914-1918 affair, my conscience quit bothering me entirely. Thus, the moral to this fourth tale might be—that in certain gun deals, it sometimes pays to keep one's morals flexible. Comprenez vous?

This fifth and last tale takes us back to the closing months of World War II, at a time when I was assigned as O.I.C. of a German P.O.W. camp in France. Additionally, I was also the "chief honso" of a very active foreign weapons shop, the operation of which I described in my first article printed in the GUNS MAGAZINE issue of June 1959. Come to think of it, if I hadn't been in charge of that weapons shop, I would not now presently own one of my most valuable antique firearms. Here is how the story goes.

Of the several hundred German soldiers imprisoned in our camp, there was one young boy of barely sixteen years, who spoke very good English. This youngster, Wolfgang by name; I immediately detailed as an interpreter, and he became very useful about the camp. Like many other German high school boys, he had been drafted right out of his class, trained hurriedly, and then shipped off to the front. Half frightened out of his wits most of the time (his own admission), during the closing days of the Von Rundstedt Drive, he'd been hauled out of his fox hole by the ear; and the big American infantryman who had hold of that ear told the kid that if he ever caught him up at the front again, he would spank his little butt. Wolfgang thereupon made a separate peace.

As part of his general interpreter duties, I used to send the boy down to the railroad station, and there his linguistic ability was a big help in keeping things running smoothly between my own soldiers, the French guards, and the German P.O.W. work details. After a time my N.C.O.'s and I became very fond of this little enemy soldier, and he of us. It was quite apparent that he was particularly fond of me though. He must have been, for how else can one explain the risk he took one day to

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obtain something he was sure I would like to have. Adolescents are some-
times a puzzle, in almost any lan-
guage.

As it was, Wolfgang took this risk
one day while I was on a three day
assignment elsewhere. The boy was
doing his normal chores down at the
railroad siding, when in rolls a French
"40 and 8" box car, just crammed full
with small arms. These captured and
confiscated weapons were sent back
to me for destruction, the only excep-
tions being the serviceable Mauser
98's which were cleaned up and re-
issued to the French Army. As these
weapons were practically being shove-
led onto the platform by his German
comrades, young Wolf's eye caught
sight of a pistol—"a very old fash-
ioned pistol" he later told me. It lay
there atop dozens of Mausers, but
none of the American or French
guards had seen it yet. "That's just
what the Herr Ober Leutenant would
like for his gun collection back home,"
the lad said to himself, and then with-
out any further thought as to the
possible consequences of his act, he
threw his uniform jacket over the
pistol. A little while later he picked
up both jacket and pistol, and inno-
cently walked over and joked with
the French guards.

Well just to keep this tale short,
that little Teutonic teen-ager actually
carried the pistol back to the P.O.W.
compound, hid it under his straw mat-
tress, and then, three days later when
I returned to the area, he brought it
to my office. When he passed it to me
butt first, I gasped out "My God boy,
you could have been shot for this!
You know very well that those French
guards are only looking for the slight-
est excuse to put a bullet into any
of you Germans."

"Jawohl, mein Ober Leutenant, I
know that" he grinned, "but the
Frenchies didn't see me."

I wrote to Wolfgang for a couple
of years after the war was over, and
I'm sure you would have written too
—for you see that was a rather excep-
tional pistol the boy had risked his
neck to get for me. In fact, the pistol
is on my desk right now, and I will
just note its better points for your
edification and enjoyment. It is a
Smith flintlock dueler of English make,
with a long smoothbore barrel and a
pure silver ornamental butt. It has
a fine balance, an extremely graceful
gooseneck cock, and the black ebony
stock is just covered over with a most
beautiful silver filigree design. Nuff
said?

"Be kind to your P.O.W.'s" is sug-
gested as the moral to
this last of my five tales.



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INDEX OF ADVERTISERS

Advertiser	Page No.
Robert Abels, Inc.	55
Alaska Sleeping Bag Co.	8
A-1 Manufacturing Company	63
Austin Boot Company	71
Barney's Cannons, Inc.	57
M. G. Bauer Co.	48
Bausch & Lomb, Inc.	14
Benjamin Air Rifle Co.	54
Bianchi Leather Products	16
Bill's Military Stores	48
E. C. Bishop & Sons, Inc.	63
Bo Mar Tool & Mfg. Co.	66
Nelson Brand	63, 70
Eldon Brandt & Sons	68
J. M. Bucheimer Co.	57
R. B. Caldwell	69
Carbide Die & Mfg. Company	62
Centennial Arms Corp.	10
Century Arms, Inc.	47
Charter Arms Corp.	15
R. J. Coffey	74
Colorado School of Trades	74
Coladonato Brothers	70
Commando Arms, Inc.	45
Control Scope Mounts	66
Corrado Cutlery	49
Coward-McCann, Inc.	49
Crest Carving Company	17
Crosman Arms Co.	17
Dixie Gun Works	62
Frank Drew Company	67
Edward's Recoil Reducers	45
Reinhart-Fajen	60
Federal Cartridge Corp.	7
Flaig's, Inc.	66
Flayderman & Company, Inc.	62
Gander Mountain, Inc.	68
Garcia Sporting Arms Corp.	3
Golden Age Arms Co., Inc.	8
Gun Digest Publishing Co.	13
Joe Hall Boots	67
Hawes Firearms Company	51
Herters, Inc.	73
Hialeah Auto Corp.	62
J. B. Holden Company	70
Hoosier Machine Products	74
Hornady Manufacturing Co.	56
The HPC Corporation	63
Hunting Hawks	48
Marshall Hyde, Inc.	69
Jana International	71
Javelina Products	58
Jet-Aer Corporation	54, 62, 66, 69, 71, 73
Kasenit Company	62
Kleinguenther's	71
Len Company	74
Lile Knives	73
Louie's Game Shooting Preserve	74
Luskey's Western Stores	47
Lyman (Handbook)	6
Merchanteers, Inc.	60
Mershon Company	8
Military Miniature Reproductions	74
Frank Mittermeier	60
Modern Gun Repair School	73
The Museum of Historical Arms	68
Mustang Grips	67
S. D. Myres Saddle Co.	66, Cov. 2
National Rifle Association	9
Navy Arms Co.	Cover 4
Pr. Ab Norma Projektilfabrik	55
Normount Armament Co.	69
Nosler/Leupold & Stevens, Inc.	50
Numrich Arms Corp.	58, 61
Oley Tooling Company	60
Oriental Arts Corp.	66
Orient East Imports-Arms Co.	47, 68
The Outlet Store	70
Pachmayr Gun Works, Inc.	8
Panther Knife	62
Panther Publications	53
Parker Distributors	54
Paulsen Gunstocks	47
Pecar-Tucson Ltd.	45
Pendleton Gun Shop	74
The Pioneer Co.	12
Precise Imports Corp.	53
P & R Enterprises	63
RCBS, Inc.	67
Redfield Gun Sight Company	72
Reforestation, Inc.	74
Relco Industries	69
Replica Models	77
Royal Military Jewelry	73
Russell's Arkansas Oilstones	63
Safariland Leather	Cover 3
Shotgun News	73
Sigma Engineering Company	71
S & K Mfg. Company	68
Sounds of the Wild	72
Sports, Inc.	55
Super Vel Cartridge Corp.	58
Sword & Dagger	73
Tayra Corporation	75
Treasure House	48
Triple K Mfg. Company	49
Trumark Mfg. Company	73
Turn-O-Carve Tool Company	73
United Binocular Company	71
W. R. Weaver Company	11
Westbury Sales	47, 48, 55
Whitney Sales, Inc.	71
Winchester Press	59
Wolf Specialty Company	57
Yield House	75



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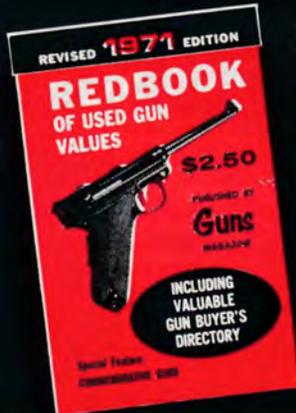
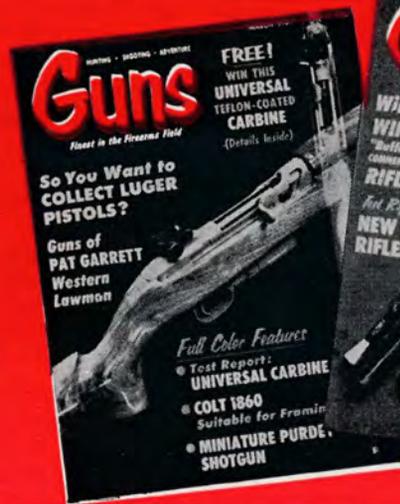
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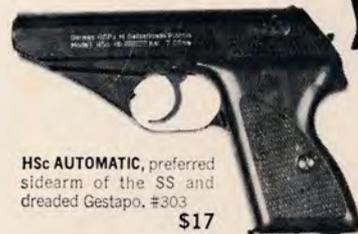
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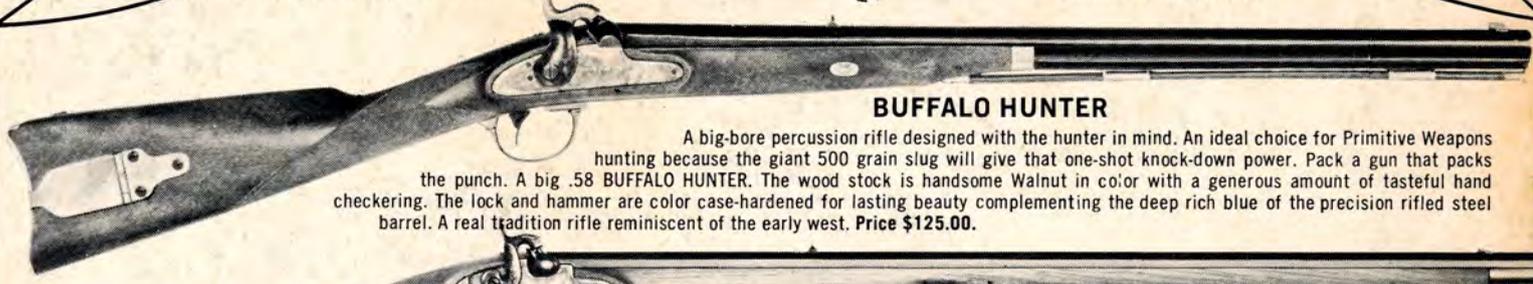
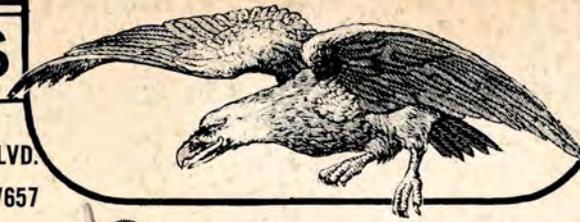
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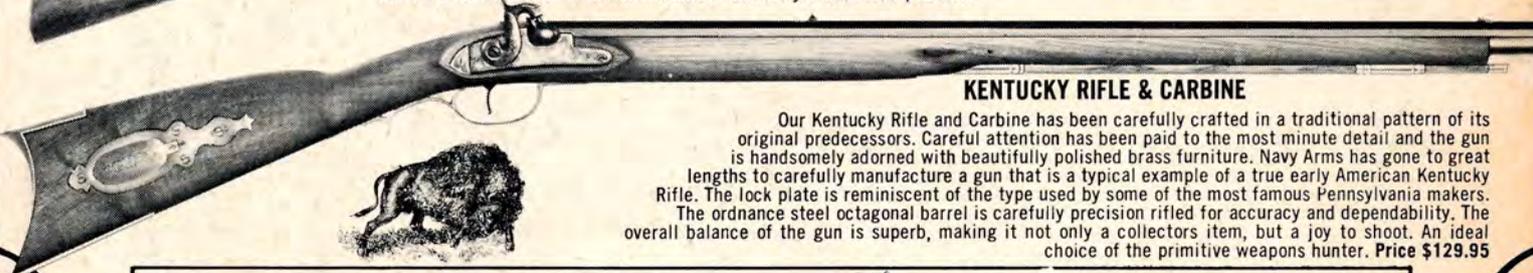
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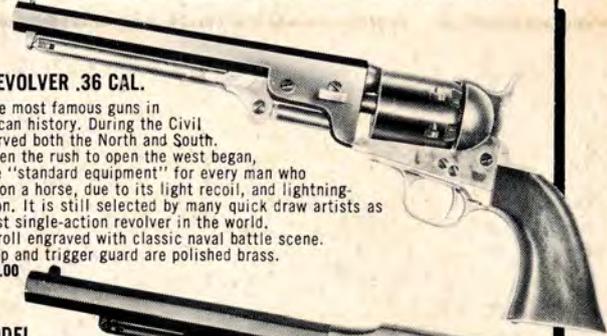
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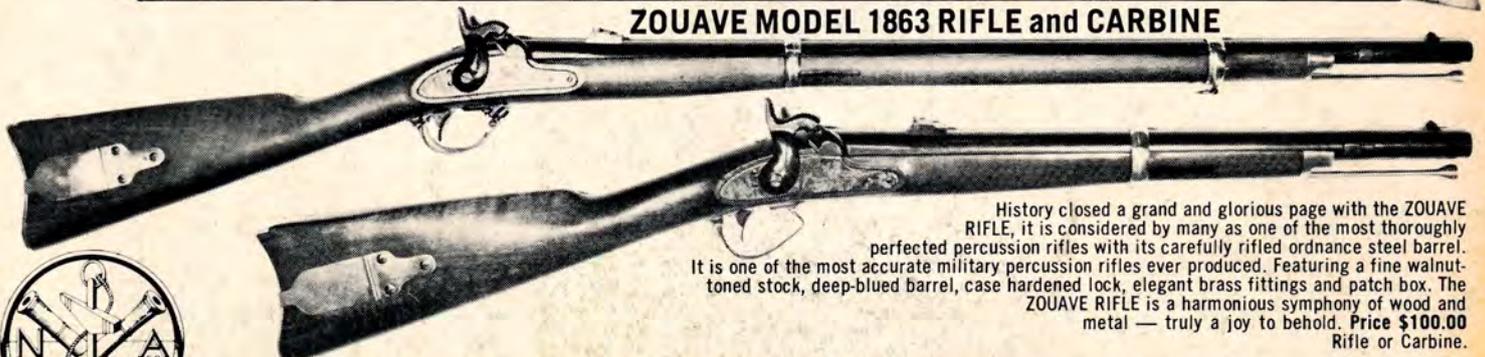
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