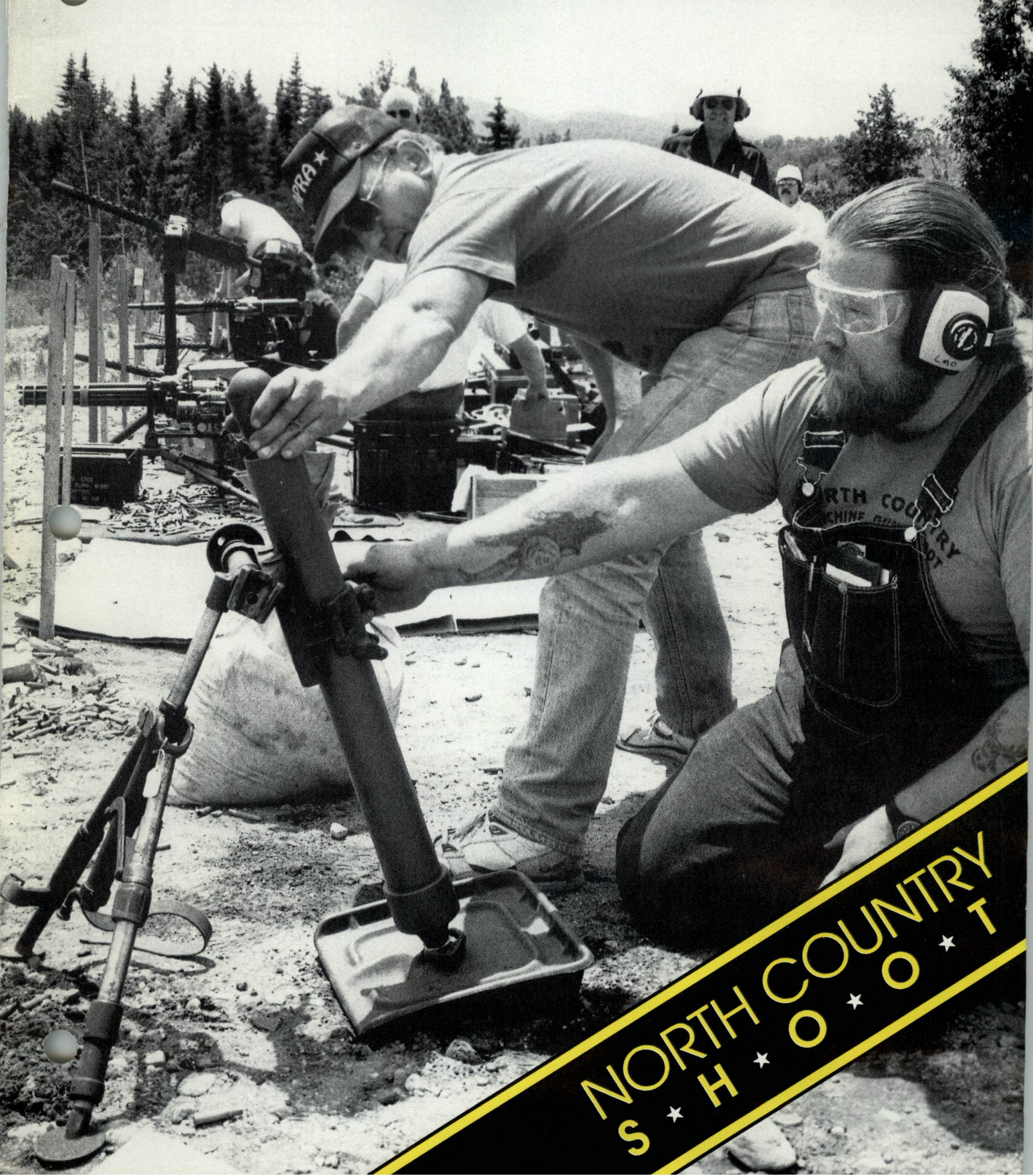


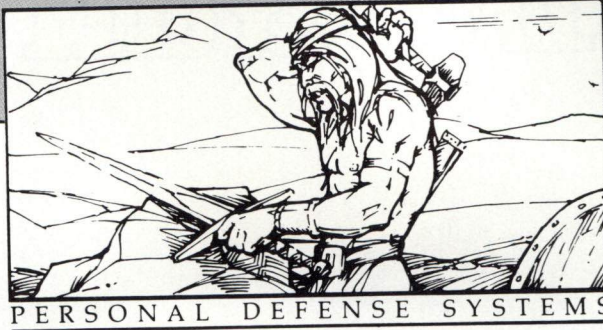
THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS • Vol. 6 No. 6 • November 1992 • \$4. U.S. \$5. Can.

Machine Gun News



NORTH COUNTRY
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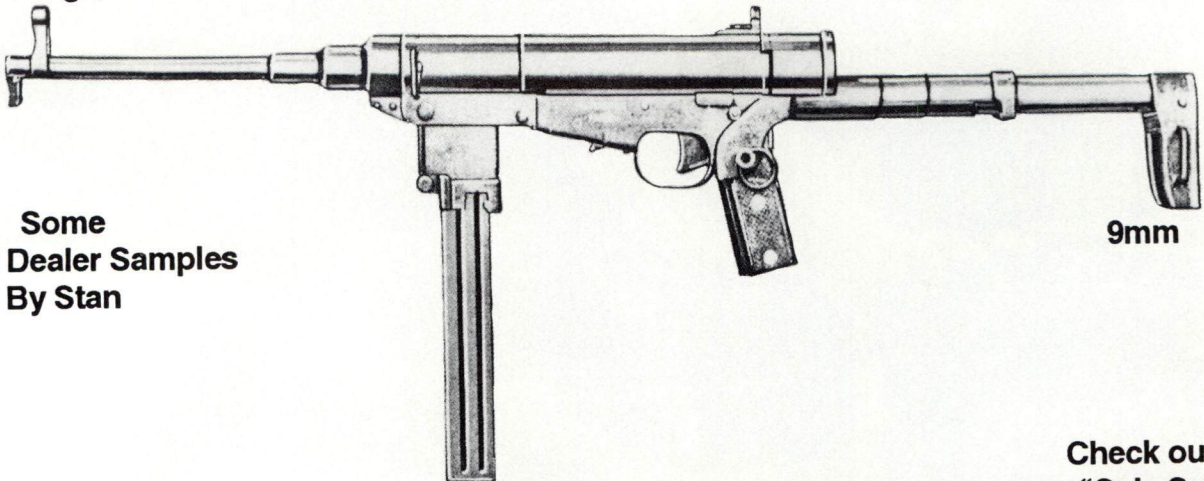
Original

Cloth Sling \$12

Original

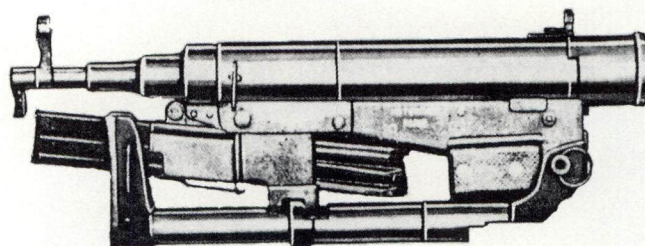
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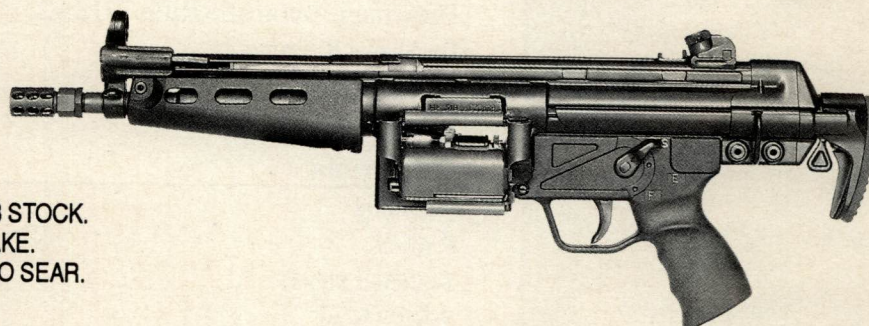
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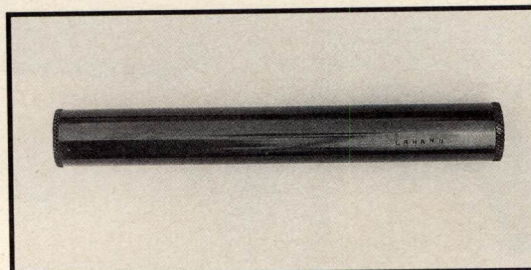
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THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS MACHINE GUN N E W S

Volume 6 Number 6

November 1992



Features

Scattergun Technologies	18
By Al Paulson	
The Interview Part II: Bill Vallerand	22
By Dan Shea	
The MP41 Submachine Gun	26
By Noel Napolilli and Al Paulson	
Minuteman Shooting Club's North Country Shoot 92	30
By Dick Morin	
Performance of the Larand .22 Suppressor That Never Existed	34
By Al Paulson	
Browning Automatic Rifle 1918A2	38
By Shawn R. Daniel	
TREXPO	44
By Robert M. Hausman	

Departments

Incoming	6
Raffica	8
Scattered Shots	12
What's New	14
Ammo Bunker	16
Tinkering With Thompsons	46
The Forms	48
Archive Photo Of the Month	54

On the Cover: Stan Andrews & Dan Shea fire the 60mm mortar at the North Country Shoot. Photo: Dick Morin

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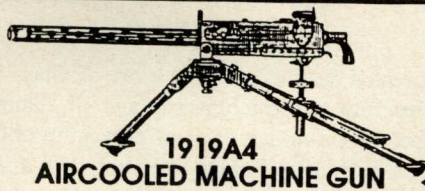
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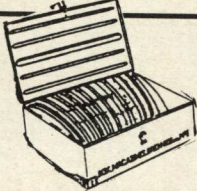
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MG license required - if you don't have a license then see your local Class III Dealer for a transfer.

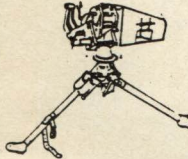


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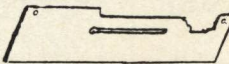
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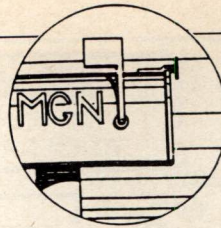
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Incoming



REGARDING THE SENATOR

Regarding the scuttlebutt in Ken Carter's "Scattered Shots" - My congratulations to the gentleman who took a certain Irish-American Senator to an impromptu machine gun shoot. I hope the Senator enjoyed himself and learned a fresh point of view concerning gun control. If we could take all the Senators out for an enjoyable day at the range, what a wonderful country this could be.

Yours Truly,
Ed Rydberg

THE HIRAM MAXIM HISTORICAL SOCIETY

Let me start by stating that I have been a subscriber since I was first introduced to your magazine in 1989. I am certain that there is not another publication that is as informative on the subject of Class III firearms. Two thumbs up to your entire staff!

I am writing today to share some information on yet another Class III shooting organization. (There can never be enough). We are based in Waterville, Maine, and operate a range in Albion, Maine. We chose the name of our club "The Hiram Maxim Historical Society," for a few different reasons. Number one, Sir Hiram Maxim was the inventor of the machine gun, and lived in Sangerville, Maine. Number Two, it is a name that is not intimidating to the general public, (we have been told that the name makes us sound like a group of librarians), therefore we do not generate negative publicity.

Our club was founded on the anniversary of Paul Revere's ride to warn Americans that the British Army was coming to confiscate their firearms. It was founded in the 200th year following the ratification of the Bill of Rights guaranteeing that the army would never attempt such again. The goal of our organization is to promote the safe and responsible use of firearms, to educate on the origins, history, legality, and enjoyment of firearms and to repel any attempts to infringe on the right of the people to keep and bear arms.

We are still a young club with a current membership of about seventy. We have the pleasure of having members from all over New England. While we are primarily in-

terested in the growing sport of Class III firearms, we welcome any and all. Due to the stigma and/or lack of education about our particular hobby, we certainly know that all shooters must stand united and not fight amongst different types of shooting. We consider ourselves a non-discriminatory shooting organization. If it shoots, it is welcome. We usually host six or more shooting events per year. Some are for our members only, and some are open to the public. We sometimes donate some of our proceeds to local organizations such as a volunteer fire department, or to help raise money for Christmas gifts for under privileged children. There is no such thing as enough good P.R. Most important, we all have a SAFE & fun time, and enjoy the fine sport of shooting with good company. If anyone is interested in receiving information on The Hiram Maxim Historical Society, they may contact us at the address below, or call (207)873-4867.

Following are the match results from the 1992 Summer Shootout hosted by the H.M.H.S. on July 26, 1992:

RIFLE / SCORE

Winner - Jody West 62.28
2nd - Andre Cote 82.58

PISTOL / SCORE

Winner - Mike Gifford 8.36
2nd - Mark Sandy 9.52

ROLLING THUNDER (SUBMACHINE GUN)

2 Man Team SCORE

Winners -

Tim Clifford & Mark Sandy 30.54
2nd -

Michael Gifford & Jeff Zimba 31.53
SUBMACHINE GUN SCORE

Winner - Jeff Zimba 41.23
2nd - Tim Clifford 62.92

SHOTGUN

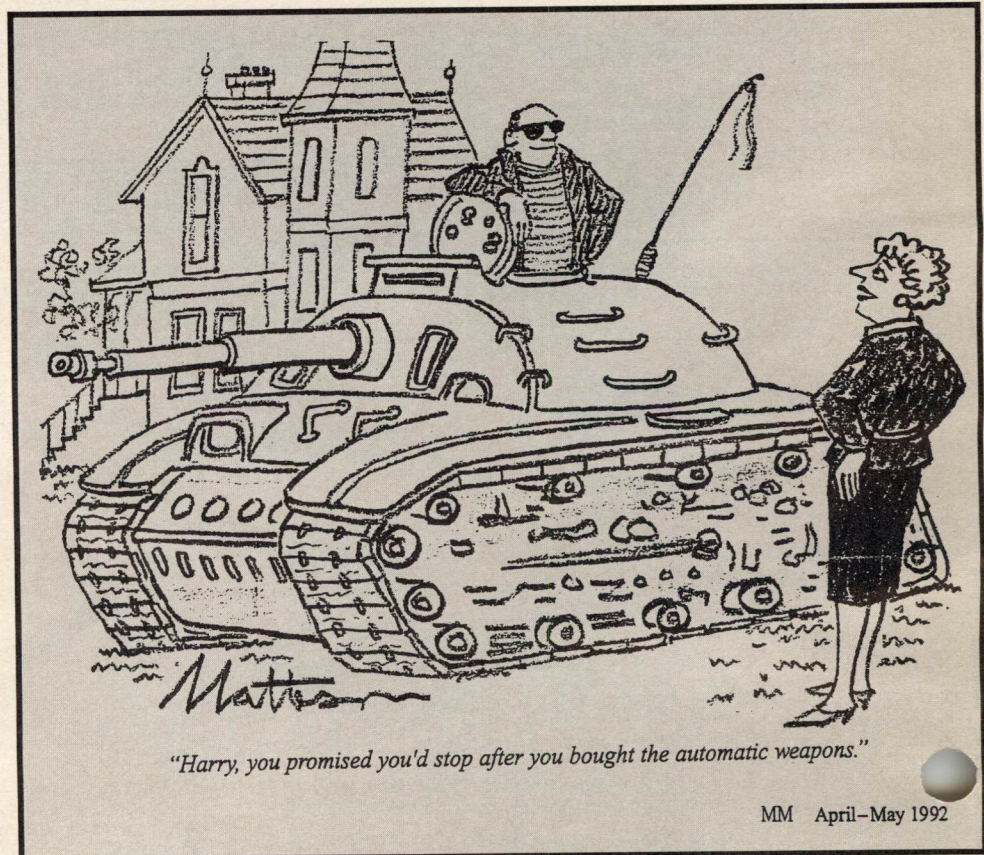
Winner - Andre Cote 24.63
2nd - Jeff Zimba 25.93

OVERALL COMBINED SCORE

Winner - Jody West 238.04
2nd - Andre Cote 238.67

Sincerely,

Jeff W. Zimba - President
H.M.H.S. P.O. Box 1491.
Waterville, Maine 04903



"Harry, you promised you'd stop after you bought the automatic weapons."

MM April-May 1992

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ON THE NRA BOARD

I noted in the article on Neal Knox that he mentioned that there were no Class III members on the NRA Board. I also noted in last issue that Sandy Froman was listed as an owner, at least.

As a matter of interest, I held a Class III for several years and just recently dropped it due to changes in our business. I still own and shoot four belt feds and several hand held machine guns. I have been on the NRA Board of Directors for several years and have spoken up many times in defense of the "bad guns", the machine guns.

With the addition of Sandy Froman, it would appear that there will be more of us on the NRA Board that appreciate the full auto line of firearms.

For a long time, the NRA has been reluctant to defend private ownership of fully automatic firearms due to the perceived unfavorable reaction of the National press. It was considered politically suicidal. I believe that many are now realizing that your enemies will not say good of you regardless of how "politically correct" you may be. There is little to be gained by not defending private ownership of any and all firearms. A gun is a gun.

Sincerely,
J.W. Carlson NRA Board of
Directors

MODERN MATURITY

Enclosed, find copy of a cartoon from the latest AARP semi-monthly magazine - Modern Maturity. I thought all would enjoy same and if you wished to re-publish it I've included the masthead section from the magazine for reprint permission.

I'm a newcomer to the auto collecting group after spending almost 40 years with Lugers, Colt autos, and accessories.

I thoroughly enjoy MGN and purchased your "Bible" several months ago when it became available.

Keep up the good work - I enjoy your monthly publication and look forward to receiving each issue.

Sincerely Yours,
Gene

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VIDEO

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VIDEO

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5. How can you legally purchase and own a Thompson Gun?
6. Who used them besides gangsters, the military, and "G-Men"?
7. How do you tell one model from another?
8. Why do some have finned barrels and drums while others have smooth barrels and straight stick magazines?
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Almost every known Thompson accessory is shown. Violin cases, FBI and Police hard cases, canvas and web gear, special ammunition, 50-round and 100-round drum magazines, and much more. The controversial **Blish H-Block** locking system is discussed, as is the **Cutts Compensator** thought by many to be ineffective.

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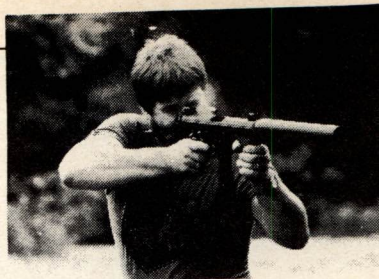
The Colt/Browning Pistol M1911 is also now available. Only \$24.95

Other videos on MG's coming soon:

Browning MG's, M14-M16, M1/M2 Carbine, and foreign MG's.

Raffica

by DAN SHEA



Interesting note, that may please a lot of you Rafficians. Shooter's Equipment Company of South Carolina, has just sent me a 12 round Zytel magazine for the new M-12 .380 pistol. The magazine feeds perfectly in my original RPB and Powder Springs M-11 .380's! It has been so hard for owners of the metal mag guns to get magazines, that this is a breath of fresh air. Get this - SEC says they will have 32 round, and maybe larger Zytel magazines available for the "metal mag" MAC .380's. I find this to be most excellent. I've even had the old MAC .380's go through the shop with no magazine at all, so knowing some mags are available gives me a warm fuzzy feeling in the trigger finger. Shooters Equipment Co - (803) 647-4668, tell them you saw this in MGN.

Q I own two HK 91's, one an earlier Saco import, that I would like to have made full auto. I have seen advertisements for HK machine gun sears by Long Mountain Outfitters. Who would you recommend to do the weld up on the bolt carrier and who could weld and mill or replace the trigger, and to restamp the trigger group to select fire, and to shorten the bushing for the sear, or replace with an original? Your article tells how to do it but not who can do it right at a reasonable price. Any suggestions?

My second problem is that I have a Military Armament Corp. MAC 9mm Suppressor that I would like to rebuild or have rebuilt. How would you recommend rebuilding it to be more silent and self cleaning? Where could I get such parts for my M-10 suppressor (it is licensed)?

Sincerely,
Ronald L.

A I promise that in the next issue of MGN I will do the promised photo essay on the installation of these registered HK machine gun sears. There are many companies that are involved in the conversion business, and you should check the MGN advertisers for more info- most of the parts are readily available. How about having Fleming Firearms do the work. They manufactured those sears to begin with, and have done thousands of conversions. F.J. Vollmer, RDTs, S&H, and Stan Andrews are some of the other companies that advertise in

MGN and do the conversion work, or have in the past. Each company offers different models or features - of note, Fleming has the MP-45 series, a neat MP-5 configuration from the SP-89, 53K, 51K, and 92 series. Vollmer has the 51-B, HK-11, HK-21, etc. Stan does the basic rifle conversions, but no cut-down exotics - as I said, each tends to go their own way. Delta Arms has a lot of parts, including a new run on MP-5 and HK33 Bolt carriers. Global Sales has G-3 Bolt carriers and re-marked clip-on trigger housings. Sarco has had some G-3 parts lately. Really, look through the advertisers. They are placing ads because they want to do business. And, I will do the photo how-to next issue - Vida made me promise.

Both AWC and Precision Arms offer a MAC suppressor re-pack service, Ciener does not. Blaylock does also. There are a few legal questions about one manufacturer rebuilding another manufacturer's suppressor because of the 1986 definition of a suppressor as any of its parts, and the fact that it's illegal for a manufacturer to rebuild a destroyed transferable machine gun if he is not the original manufacturer. Since it is still legal to manufacture a suppressor, and the machine gun rebuild legality is based in the 1986 ban on manufacture of machine guns for private ownership, I don't believe there is any connection. Rebuilding a suppressor by a licensed Class 2 manufacturer is legal by any accounts I have seen, the only stipulation may be that the secondary manufacturers may be required to put their license info on the suppressor. No ruling on that yet.

Some phone numbers on the above companies: Fleming Firearms - (918) 665-3624, F.J. Vollmer - (309) 663-9494, RDTs - (602) 488-2165, Stan Andrews - (603) 746-4387, S&H - (501) 545-3511, AWC Systems Technology - (602) 780-1050, Global - (702) 782-4400 Precision Arms - (804) 758-5233, Jonathan Ciener - (407) 868-2200, Blaylock Gun Works - (903) 887-2655, Sarco - (908) 647-3800, Delta - (800) 677-0641, Long Mountain Outfitters - (207) 683-2169

Q Regarding H&K trivia, (buttstock holes, combat sling hooks, etc.) can you enlighten

me as to what the function is of the little spring loaded steel nub on the end of the plastic activator lever of an MP-5 magazine unloading tool?

More importantly, I've found a G-3 parts breakdown that shows a "front sight holder-grenade launcher type". It looks the same as a standard assembly with the exception that the lower portion that the barrel passes through is the same diameter as the flash suppressor and extends forward. Probably to aid in stabilizing the mounted rifle grenade when fired. My questions are, is it advisable to launch practice grenades using just the flash suppressor as the mount, and, considering H-K's wide range of accessories, where the hell's the grenade launching sight?

If there is such a thing can you give me a source?

Thanks,
Mario

A First I talked with Bill Fleming about magazine unloading tool. It took a while to define our terms - Bill was under the impression that the magazine unloading tool was the trigger, and the conversation got nowhere until I convinced him that the other thing that looked kind of like a mag loader was actually an unloader (I've never used one either). He didn't know what that little piece was. I called HK itself, and spoke with some friends in the technical branch there. I'd like to say they immediately answered, "Why, that's the Framus, of course. It's used in timing the chronostipulator during extended de-flatulating exercises". But, I'd be lying. The HK guys went into a five minute huddle then came back and said "Is it for something obvious?" Kind of like a quiz show. You really got most of us on that one - but the HK team finally came through. That little detent is for locking the magazine loader and magazine unloader together for storage and carrying. In regards to the grenade launcher, the rear portion you are talking about does more than stabilize the grenade, it has a gas check locking on it that keeps the pressure up in the grenade tail. Without that, you will lose considerable range, and some accuracy. There may be some additional gas blowback - in your face, so wear

your eye protection! The old style sights were a clip-on over the rear sight and I don't have a source right now. If any of the Raf-ficarians have a source let me know and I'll print it - (I'd buy some too). Current G-41 made launcher sights are a welded on unit.

Q I purchased a "Partisan Sales Company" Avenger, .45 caliber which looks very similar to a Mac-10 or Cobray and did not receive any information manual or parts list for this gun.

Question is do you know where I can get a manual on this gun?

Also do Mac 10 parts like trigger kits work in this? Appreciate your help and thank you for answering my question.

Regards,
Fred S.

A In MGN Volume 2 No. 1, there was an article by Mike Shuffield on the Partisan Avenger. This has been my only contact with a Partisan. It closely resembles a MAC-10, in .45 caliber, using modified M-3 Grease Gun magazines. Physically, it is a MAC clone in closed bolt, semi-auto only. If it looks like a MAC and barks like a MAC, is it a MAC? Hard to say without looking inside. Dominik Spadea of New Jersey manufactured a few before stopping production. His company name was the Partisan Company. From the safety placement and barrel relationship (which is threaded for a suppressor), I would say the internals are MAC style. It wasn't included on the ban lists because it was such a small production run. Some of the bans that are more generic would probably include the Avenger as a MAC.

Q I have what you refer to on page 10 of your July 1992 issue as "the son of the M-16 Shorty that just won't work!" I have a gunsmith who is redoing it. You mention that this has been gone over again and again. I am enclosing \$4.00 for a back issue that explains the problem in more detail.

I would also like your recommendation of what is the best conversion kit for the M-16 to switch to .22 caliber and where to purchase it.

Sincerely,
Vince

A Hands down, the Atchisson 22 conversion kit by Jonathan Arthur Ciener is THE kit. Ciener's address is 8700 Commerce Street, Cape Canaveral, FL, 32920, Tel (407) 868-2200. It is guaranteed in the Colt original guns, but may need fitting in after-market guns. The kits are available at most Class 3 dealers who have an inventory. Good luck with your Shorty.

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Q Once again, thanks for a fine magazine and the most valuable piece of mail I receive each month !

First question: I have a Colt Car-16 with a 14.5 inch barrel I enjoy firing long burst through. I have been cautioned by my dealer, that I should only fire short bursts with ample time for cooling in between. Also, that if I fire more than a couple of full mags at once, I will start to shoot out the chrome, and shortly thereafter the rifling. Is it true? Can I damage the barrel in long firing sessions? Secondly, how many rounds is the M-16 good for before it becomes unserviceable, due to major component wear ?

Lastly, what is the difference between the A and B Model Uzi's and the original UZI Grey parkerized like the Group Industries gun ?

Best Wishes,
Vaughn

P.S. My Shorty works good !

A Happy your Shorty works. Non-working ones are real frustrating. The expected service life for an M-16 is about 100,000 rounds. With proper maintenance, 350-400,000 rounds are possible. Your barrel and several other internals won't last that

long. Yes, extended bursts lower the life expectancy of certain components, especially the barrel and gas system. "Shooting out" a barrel is also possible if you are a real pedal to the metal maniac. God help you if you get a belt feed, you'll spend the rent money and do unpleasant things to get ammo money if you're that hooked. Lighten up on the gun a little. The semi auto Uzi came in first as the A model, then the B model. The difference is that the A model semi-auto rails that kept the full auto bolt from fitting were only tacked in, not fully welded, in the first A models to come in. Later A model Uzi's had the rails fully welded. These first "A's" were attractive to people who wanted to convert the semi-auto to a machine gun. Legally or illegally. The real consistent difference between the model A and model B is in the sights. In the model A, the sights are calibrated for a 10" submachine gun barrel, even though the carbine barrel length is 16". The model B sights are calibrated for the 16" barrel, which is correct. The Group guns are correct for their barrel lengths, and many pains have been taken to keep the quality up. They are a "B" style.

Q I'm in the process of buying an American 180 M-1 from one of your adver-

tisers. My rational being that, although I want to shoot full auto, I really can't face the chore of re-loading 300 or more cases after a session of shooting with a Thompson 28, which would otherwise be my first choice. Also the 180 will be cheaper to shoot and I won't have to spend half my shooting life separating brass from mud, sand, clay, etc.

The 180 is my first full-auto piece and I have a few questions:

1) I believe that American Arms Inc, are out of business, where can I get spares ?

2) I live in Mississippi. Are sound moderating devices prohibited from possession or use? If only use is prohibited then I guess I could get the device that comes with the gun transferred to me and use it in neighboring Alabama (about six miles from my home, and no, I wouldn't forget to file the form for interstate travel, etc.).

3) In the 1986 issue of Gun Digest Book of Assault Weapons it is said that two semi-auto versions of the A-180 were to be produced. These to be the .22LR as the M-2 and the .22 Magnum as the M-21. Did these guns ever see the light of day ? I never seem to see them advertised and I am interested in possibly acquiring both the .22 and the

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.22 magnum pieces to go with the full-auto M-1. According to this book, they were supposed to be quite inexpensive, too, with the plastic stocked M-2 being \$495.00 and the walnut stocked version to be priced at \$595.00.

Thanks,
Peter C.

A You don't want to spend your time re-loading? Wait until you have five 275 round AM-180 drums sitting in front of you and the urge to shoot! Seriously, it's a fun choice for a machine gun. Parts are available from E&L Manufacturing - (602) 488-2598. American Arms is out of the business. The genealogy of the AM-180 is fascinating. Someone should do a book on it. The first AM-180's were made in Austria and imported into the US around 1972 as dealer samples. American Arms tried several sub-contractors to manufacture the receivers before manufacturing them in house. Most notable were around 24 prototypes by S&S Arms of Albuquerque, NM. These were serial numbered X-00—, and such. Some were made in odd colors—blue, red, green. American Arms manufactured the Transferable AM-180's and the semi-auto version, with some small runs in .22 Magnum. They had their own ammuni-

tion planned. There were some briefcase guns, six as I recall, that had suppressors and lasers built in. There was an original run of suppressors, and some short barrels. The suppressors threaded in underneath the front sight on specially threaded barrels, and used wipes. The original laser used was very powerful, and hung below the barrel. It was quite large and rectangular in shape. Stocks were a gross discolored brown plastic, or a real nice walnut. Some chrome guns were made, some were silver plated for about \$6,000, and there were some gold plated offered for \$16,000 each. The BATF confiscated a run of 750 AM-180 receivers in 1986 that were registered right before Black Monday (May 19, 1986) and allegedly manufactured after that date. There were about 2000 more receivers that were granted status as Post 86 Dealer Samples, but, I believe, destroyed. American Arms was bought out by the Illinois Arms Co (Ilarco). Ilarco, after 1986, manufactured a post 86 dealer sample with a black stock, and was under the impression that they could sell to dealers all day long. Time for a rude awakening. The dealer sample restrictions killed the viability of that part of the project. The rest of the Ilarco vision for the AM-180 included a Twin AM-180

on one buttstock, a Quad mount on an M-2 tripod—yes, that's four AM-180's in tandem, and a Quad AM-180 on an Ultra-light Airplane. They sent me a video of the ultralight strafing a beach, and it was kind of neat. I wrote back asking that, since the 165 round drums were expended in less than six seconds, who was climbing up to put fresh drums on. No response. Sorry guys, the ultra-light idea may have flown, but I think a 12 year old partisan hiding behind a tree with an AK-47 might have a different view of the project. Something about a duck? Ilarco sold pre-loaded 165 round drum magazines for a reasonable price. That was a good idea. Next, Feather Industries got involved, but backed out quick. This is the point where Val Cooper with E&L Manufacturing stepped in and bought out the old inventory. E&L has introduced a new replacement walnut stock, larger capacity drums including a 275 rounder, and a drum loading tool that is a great help. Stan Andrews fixes sprung winders for about \$25 each, and that's handy to know for any AM-180 owner.

Questions to:

Dan Shea, C/O MGN,
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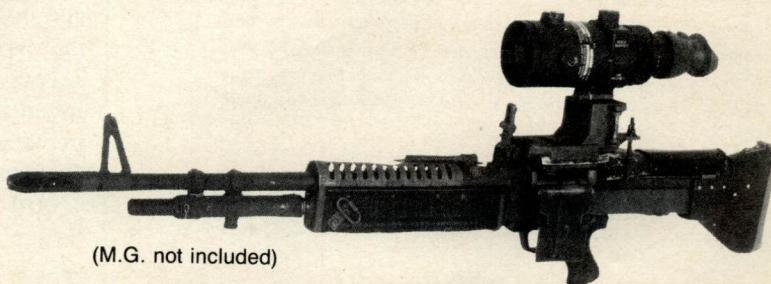
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by KEN CARTER

On the heels of what is being called the worst natural disaster in U.S. history, we received a letter from Taurus Firearms asking our help in spreading the word about their drive to assist the victims of Hurricane Andrew.

Despite being located in Miami, the Taurus facility and the homes of most of the company's employees were spared the indescribable devastation wreaked upon much of southern Florida and coastal Louisiana by this awesome storm. Many of their neighbors weren't as lucky, though, and the folks at Taurus immediately involved themselves in efforts to assist those less fortunate...organizing blood drives, collecting and distributing supplies, and helping to raise badly needed funds to meet immediate needs.

The rebuilding process will be lengthy and costly, however, and Taurus is calling upon the collective shooting fraternity to join them in an industry-wide drive to help with recovery. Working through the Salvation Army, they have established the American Shooting Industry Hurricane Andrew Disaster Fund. If you would like to lend a hand, and do so in a way that can't help but portray shooters in a favorable light, send a donation in any amount you can afford to: Taurus Firearms, "Hurricane Andrew Disaster Fund", 16175 NW 49th Avenue, Miami, FL 33014. Make checks payable to The Salvation Army. (Contributions, of course, are deductible.)

In the wake of Andrew, there were wide reports of property owners forced to

rely on personal weapons to fend off looters. As during the Los Angeles riots, official help - in the form of police and National Guard or military intervention - was either too thinly spread, or too late in coming. It came down to armed Americans protecting their own property, and in some cases the lives of themselves and their loved ones, with privately-owned firearms.

By coincidence, a friend sent us the notice accompanying this column, which ran in the Sydney *Sunday Telegraph* in New South Wales, Australia. The in-

herent "Catch 22" is obvious: the law requires a person to be licensed if they own a firearm, but personal and property protection isn't an acceptable justification for licensing; should they refuse to comply (as is the case with most Australians, we understand) and find it necessary to use their gun for defense, they are subject to a lengthy prison term.

Lest you dismiss this as a problem peculiar to those "down under", think again. An identical situation already is in place in many locales here (ask Bernard Goetz), and if the Brady Bunch and their political lackeys have their way, it will eventually become The Law of the Land. Which is why it is imperative that we stop any attempt at Federal gun legislation, such as a "reasonable" waiting period, before it begins. No one expects a waiting period to have any effect on crime - it never has - but it would create a powerful gun bureaucracy that could, and would, lead to nationwide registration, then ultimately to the abolishment of individually owned firearms.

The people of New South Wales, incidentally, have much in common with their American brethren: a pioneer heritage, a fierce love of freedom...and the gunowners among them were recently screwed over by a supposedly pro-gun slate of politicians that they were instrumental in electing! Their response has been to form the NSW Shooters Political Party, which has as its goal a membership of 500,000 gunowners, making it the Australian state's largest. G'luck, mates!

The following from NRA Life Member Tony Borzumato of Ft. Lauderdale was recently messaged on Prodigy's computer bulletin board:

"Well, I've heard it all now...today's Miami Herald reports that a squad of 82nd Airborne troops were confronted by armed gang members & nearly had their M-16's taken away. It seems that they had no ammunition for those neat, high-tech rifles. Their Lt. states that only quick talking got them out of there without serious trouble befalling them. If any of you service guys

Personal Protection is no reason to have a gun



If you own a gun which you keep to protect yourself, your family or your property, you must dispose of it legally.

Under the latest gun laws, personal and property protection are no longer considered acceptable reasons to possess any type of firearm, or to get a licence.

If you wish to possess any gun, you must have a licence and meet the new requirements for safe storage of the weapon and its ammunition. When your current licence expires you must reapply if you want to continue to possess or use a gun. Be warned, making a false or misleading statement on your licence application could earn you ten years in prison.

Act quickly. If you haven't got a licence, now is the time to either apply for one, or legally dispose of your gun. One way you can do this is at your local police station. Possession and use of any firearm for personal or property protection is illegal and will attract severe penalties. No exceptions, no excuses.



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in the South Fl. area are here helping out & can't get the "good stuff" through the quartermaster, drop me a line via E-mail & I'll hook you up with some 5.56. Keep your powder dry guys...

S. According to the same article, this is NOT an isolated incident...very scary!"

Roll Call

The next time you hear thunder rolling in the distance, you might listen for the faint clatter of a Thompson, or maybe the rattle of an old Browning belt-fed.

On 28 August, a car with a teenaged driver busted a red light at a high rate of speed in Austin, Texas, and plowed into the driver's door of a van driven by 55 year old Charles E. "Chuck" Hudak. Chuck died of head injuries before reaching a hospital.

A chemist by training and trade as well as a self-taught machinist, Chuck Hudak was already an established player in the machine gun game, with a reputation for quality work, back in the early 70's when a lot of us were just getting started. In fact, he possessed ATF ID number 1001...the very first of the old four-digit numbers ever handed out. (He lived in Maryland back then, an easy drive from DC, and he said he used to be able to take his transfers over and walk them through in a single afternoon.)

He moved his Inland Arms manufacturing setup to Austin in 1974, and I got to visit him on numerous occasions, hanging out in his shop and watching him work, and asking a lot of dumb, novice questions. To his credit, he never shot me.

Chuck hadn't been active in the Class II manufacturing business for several years now, but there are still a lot of guns bearing the Inland Arms Co. name floating around out there, and you might just be lucky enough to come across one. If you do, you can be assured that it was made with the utmost skill and care.

Chuck Hudak, 1937 - 1992. A friend.

Election day is almost upon us, and George Bush - the lesser of the evils - still trails Slick Willie in the polls.

I've always been amazed at the inability of American voters to learn from past mistakes. Granted, a lot of those who will be casting ballots this time around weren't of age during the Jimmy Carter debacle, but I strongly suggest that, if you fit into this category and are considering pulling the Clinton-Gore lever, you get your parents to explain the burdens wrought by 12 percent annual inflation and 20 percent mortgage interest rates (gun rights notwithstanding).

I was working as a newsman during the Carter candidacy, and was uniquely positioned to observe the many and varied promises made by the smiling gentleman from Georgia. They would change daily, depending upon the audience, and it was apparent early-on that there was no way in Hell that he would be able to deliver on them all. I remember thinking at the time that, if the American people put this guy in office, they would deserve what they got. And they did. Unfortunately, the rest of us had to go along for the ride. (How many people do you know today who will admit that they voted for Carter?)

Now, I see Bill Clinton dancing to the same tune, and on top of that, he's promising to raise taxes! And if you seriously believe that Congress will apply any increase in revenue to the National Debt, you need to change your brand of smokes...or at least, stop inhaling.

Quotes:

"No free man shall ever be debarred the use of arms."
- Thomas Jefferson

"I knew Thomas Jefferson, and Bill Clinton is no Thomas Jefferson!" - Ronald Reagan, GOP National Convention

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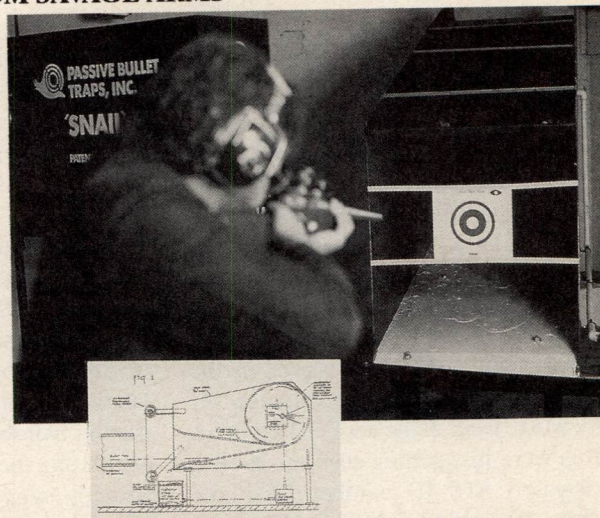
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by CHRIS A. CHOAT

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The sister company of Savage Arms, Passive Bullet Traps, Inc., announces a complete line of bullet traps that has revolutionised the science of capturing a bullet. The technology of the Snail Bullet Trap provides for ease of installation, low maintenance and trap mobility. Units are sized according to application, starting with the Miny Snail which is designed for the .22 long rifle and progress up to the impressive Maxy, which is strong enough to withstand .50 caliber bullets fired in the full-auto mode. The traps use a patented "wet down" system that provides the means to dampen sound, lubricate the bullet's path and wet down the lead generated through friction in the deceleration chamber. Because no airborne lead can leave the trap, the traps are much safer to use on indoor ranges. For more information and a copy of the video "The Snail and How It Works" contact: Passive Bullet Traps Coordinator, Savage Arms, Inc., Dept. MGN, Springdale Road, Westfield, MA 01085. Phone: 1-413-568-7001. Fax: 1-413-562-7764.



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Fireflies are a glow in the dark, night sighting system for small arms. Designed to replace the antiquated painted on sights now currently used. Fireflies let you upgrade your plain sights to glow in the dark three dot sights in about fifteen minutes. Installation, requires no machining or specialty tools. Fireflies will fit most past and current production pistols and sight designs for machine guns, submachine guns, rifles and shotguns are now underway. Fireflies are rapidly activated by natural and artificial light sources. A quick flash from any Krypton bulb flashlight will keep the Fireflies sight glowing for almost an hour. Best of all they retail for about \$30.00 and come complete with instructions and special adhesive. For more information on these innovative new sights contact Mike Johnson at Mura Technologies, Dept. MGN, P.O. Box 51914, Phoenix, AZ 85076-1914. Phone: 1-602-831-8213.

DILLON INTRODUCES NEW HOLSTER LINE

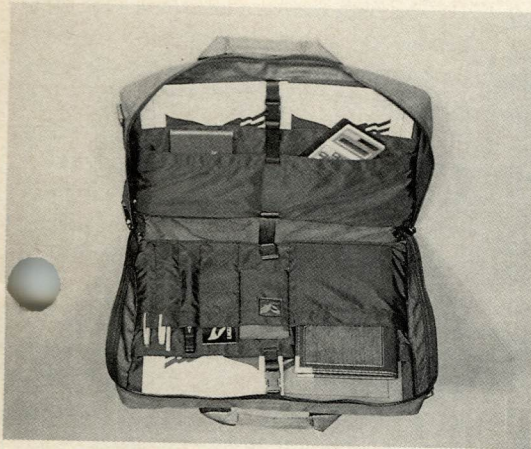
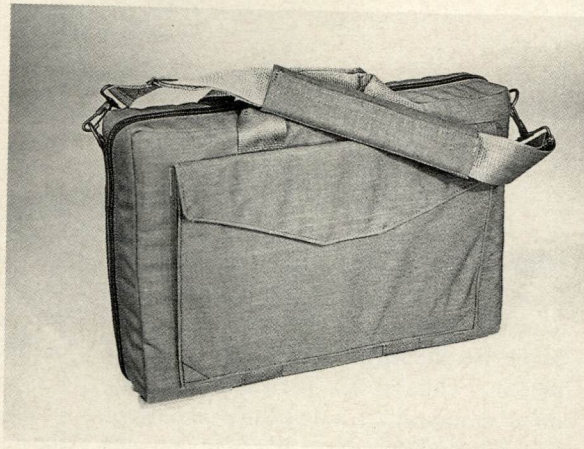


Dillon Precision Products, Inc., has just introduced their new DL-01 Field Holster. The theory behind the design was simple: most holsters available today are designed for a specific purpose. Either they are trying to hide the gun or are designed for a particular type of shooting, like IPSC competition. The Dillon Field Holster was designed with practical field use in mind. The holster features a nearly full-coverage flap to protect the gun. It also has open edges which let dirt and foreign objects fall out of the holster. Tension screws are incorporated to allow the holster to fit each model of pistol exactly and to allow the owner to change the retention force. The built-in magazine pouch incorporates a side-spring retention device that firmly holds the magazine in position while making removal easy. Belt attachment is also easy, as the belt loop is fastened by directional snaps that positively lock, but can be locked or unlocked quickly. The new holster is also available in a shoulder/chest carry version. The DL-01 Field Holster is the latest in a growing line of Dillon leather goods that now include mag pouches, belts, holsters, etc. The exclusive line is produced on

a custom basis for Dillon by Gordon Davis of Davis Leather. The two companies have long reputations for producing quality products and this shows in the leather line. For more information contact: Dillon Precision Products, Inc., Dept. MGN, 7442 E. Butherus Drive, Scottsdale, AZ 85260. Phone: 1-800-421-7632. Fax: 1-602-998-2786.



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The Ammo Bunker



Ammo Color Codes
by DUTCH HILLENBURG

In my first article on exotic ammunition, I mentioned that there was considerable confusion about exotic ammunition particularly in the area of color coding. You may know the U.S. color coding system (or think that you do!) but much of the ammunition out there is from

other countries and they use completely different systems. Black tipped ammunition is a good example. In the U.S. military, a black tip identifies the round as armor piercing while in WWII British manufactured ammunition it indicates explosive tipped and in Yugoslavia it is high pressure test!

ammunition consists of warehouse "floor sweepings" which the importer cannot hope to sort further. While the vast majority of this ammunition is merely standard ball, it is not uncommon to find small quantities of armor piercing or tracer although most of the tracer has long since deteriorated due to age and poor storage.

On the subject of high pressure test ammunition, I have a warning passed along from my friend, Tom Arter, who is an avid collector and dealer of WWII ammunition. Large quantities of WWII German 8mm ammunition have been coming into the surplus market with small quantities of high pressure test rounds mixed in. I have encountered this ammunition in quantities of one or two rounds mixed in with a case of varied manufacture. This surplus

The high pressure test rounds are identifiable by a completely green cartridge base and a green primer annulus. This ammunition was designed to exceed normal pressures by a factor of 30-40%. Firing such ammunition could easily cause a weapon to fail resulting in serious injury and possibly death. Tom further advised that shooters might also encounter WWII German ammunition with a green stripe across the primer and the base of the cartridge or a round in which the entire cartridge is green in color. The green stripe designates the round as aluminum cored practice ammunition (shorter range) while an all green cartridge case identifies the ultra rare Nah-Patrone (sub-sonic) round used by snipers.

If you encounter any unusual ammuni-

World War II German Small-Arms Ammunition Color Codes and Designators

Primer annulus color	Bullet tip color	Other features	Bullet type	Designator	Calibers
Green	-	-	Heavy ball	s.S	7.92x33, 7.92x57
Blue	-	-	Heavy ball (mild steel core)	S.m.E.	7.92x33, 7.92x57
Red	-	Black bullet	AP (hard core)	S.m.K (h)	7.92x33, 7.92x57
Red	Black	-	AP-T	S.m.K L'spur	7.92x33, 7.92x57
Red	-	-	AP	S.m.K	7.92x33, 7.92x57
White	-	-	AP	S.m.K.	7.92x57
Black	-	Black bullet	Incendiary	S.P.R.	7.92x33, 7.92x57
Black	-	-	API	P.m.K.	7.92x33, 7.92x57
-	-	Green stripe on cartridge base	Ball (practice)	I.S.	7.92x33, 7.92x57
-	Black	Green stripe on cartridge base	Tracer (practice)	I.S. L'spur	7.92x57
Black	Chrome	-	Observation	B	7.92x57
Black	-	Rear half of bullet blackened	Observation	B	7.92x57 (early manufacturer)
Black	-	Non significant	Ball	'08	9x19
Green	-	Green cartridge case	Ball (low velocity)	'08 S	9x19
Green	-	Green cartridge case	Ball (low velocity)	Nah	7.92x57

Small-Arms Ammunition Color Coding Practice, United States

Bullet tip color	Functional type	7.62x33	7.62x51	5.6x45	7.62x63 (cal. .30 US)	11.43x23 (cal. .45)	12.7x99 (cal. .50)	12.7x77 (BAT)
Black	AP	-	M61	-	M2	-	M2	-
Silver	API	-	-	-	M14	-	M8	-
Blue	Incendiary	-	-	-	M1	-	M1	-
Orange	Tracer	M27	M62	-	M25	-	M10	-
Red	Tracer	M16	-	M196	M1	M26	M1, M21	-
Maroon	Tracer	-	-	-	-	-	M17	-
Green/white	Frangible	-	-	-	M22	-	-	-
Red/silver	API-T	-	-	-	-	-	M20	-
Dark blue/light blue	Incendiary	-	-	-	-	-	M23	-
Yellow/red	Spotter-tracer	-	-	-	-	-	-	M48, M48A1

tion, set it aside for later identification. You may have stumbled across a very rare and collectable relic or something potentially dangerous. The best single source for general information on small arms ammunition is The Identification Guide, Military Small Caliber Ammunition Vol.I (Up to 15mm). This excellent book was originally compiled by the Defense Intelligence Agency and was quite scarce until reprinted with a red cover in 1989 by Rhino Publications. The "red book" reprints turn up occasionally at gun shows. These books provide the best single reference source that is widely available to the public. Volume II covers military small caliber ammunition above 20mm but is pretty boring unless you are heavily into automatic cannons and their ammunition. Please don't anybody tell Jonathan Arthur Ciener I said 20mm cannons are boring or I'll never get to shoot his Vulcan!

WWII German ammunition is packed in 15 round cardboard cartons that bear a printed paper label that indicates the contents. The color of the label indicates the type: a white label indicates ball and AP cartridges; a yellow label, tracers; green, API; white with a black stripe at the top, explosive; white with a vertical green stripe, light practice tracer; diagonally divided red and white, AP (hard core); and

red-mauve, blanks. An overprint indicates a special pack or restricted use, i.e., in clips or restricted to use in machineguns.

Soviet ammunition color codes were or are still used by former Soviet client states including the People's Republic of China and former members of the Warsaw Pact. Likewise, US color codes were often adopted by allies heavily supported by military material assistance programs. It should be noted that in the table for US color codes, 7.62x33 is commonly known as .30 Carbine and that the table does not include the new 5.56mm M856 Tracer or green-tipped SS109 Light AP designed for use in the 1 in 7 twist barrels of the M16A2 or M249 Squad Automatic Weapon.

Naturally, these three tables represent only a fraction of the color codes in use. However, they are the ones most likely to be encountered. I strongly recommend the "Red Book" to anyone who shoots surplus ammunition. If you have specific interests, there are a number of specialized references available. Be smart. Know what you are shooting through that mint MG42. One high pressure test round could ruin your whole day.

Rock-n-Roll

Tom Arter
c/o Dwesal Enterprises
P.O. Box 5681

Bloomington, IN 47407-5681

Soviet Bullet Tip Color Codes and Bullet Type Designators

Bullet tip color	Functional type	Status	7.62x25	7.62x39	7.62x54R	9x18	12.7x108	14.5x114
None	Ball	Current	P	PS	L	9P	-	-
Yellow	Heavy ball	Current	-	-	D	-	-	-
Silver (white)	Light ball	Current	-	-	LPS	-	-	-
Green	Tracer	Current	PT	T-45	T-46	-	-	-
Black	AP	Obsolete	-	-	B-30	-	B-30	-
Black/red	API	Current	P-41 (World War II)	BZ	B-32	-	B-32	B-32
Black/yellow	API	World War II	-	-	-	-	(Designator unknown)	-
Purple/red	API-T	Current	-	-	BZT (obsolete)	-	BZT-44	BZT
Red	I-T (ranging)	Current	-	Z	PZ(ZP)	-	-	ZP
Red bullet, purple tip	API-T	Current	-	-	-	-	-	BST
Red bullet, black tip	API	Obsolete	-	-	BS-40	-	BS-41	BS-41
Green bullet and cartridge	*Reduced velocity ball	World War II	-	-	(Designator unknown)	-	-	-
Black/green	*Reduced velocity ball	Current	-	US	-	-	-	-
Red bullet w/fuse	HEI	Current	-	-	-	-	-	MDZ

*For silence weapons; muzzle velocity below 350 m/s.

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Scattergun Technologies

by AL PAULSON

The shotgun is one of the most versatile, and yet one of the most misunderstood, tactical and sporting tools ever invented. Serious shotgunners and high-profile trainers like Jeff Cooper, Louie Awerbuck and Ken Hackathorn have advanced the state of tactical doctrine and have stimulated the development of the hardware to bring the shotgun to a remarkable level of effectiveness. Until recently, a custom gun by specialists such as Robbie Barrkman of Robar Industries or Jim Ryan of JR Customs was necessary to achieve optimum tactical performance. Now, Roger Small of Scattergun Technologies has developed a variety of specialized shotguns with custom features at a relatively low price, which is made possible by mass production.

Furthermore, SGT shotguns incorporate many proprietary features that make them unique in the marketplace. Some of SGT's most intriguing and most practical shotguns are NFA variants. Eight different NFA configurations transfer to individuals on either a \$5 or a \$200 transfer tax, depending on the model. This article will examine some of SGT's innovations and look at the features and appropriate applications of each of the specialized shotguns manufactured by Scattergun Technologies. Subsequent articles will look at upgrading your existing shotguns with parts or complete retrofit kits from Scattergun Technologies, and will provide a detailed evaluation of the Entry Model (with 12.5 inch barrel and tactical light), which incorporates many of the innovative and proprietary features common to every variant in the series.

Some MGN readers may know Roger Small from another company, Automatic Weaponry, but they may wonder how he got into manufacturing. "My background is in sales and marketing," Small told me, "and I was formally trained in the design and manufacture of firearms about 20 years ago." He prefers practical shooting, as opposed to a hunting or IPSC-style competitive shooting. Practical shooters

prefer a more basic product, and they prefer more realistic shooting in terms of targets and scenarios. Although Small particularly likes handguns, he observed that no other firearm can serve as many purposes as a shotgun. Shotguns used by practical shooters tended to be very expensive, well-built, and only available on a custom basis. After Small's experience with short (concealable) shotguns, he decided to develop a practical shotgun with custom features on a production basis so it would not be cost-prohibitive for the average practical shooter.

Based on his own past experience plus additional research, Small developed some specialized features on a very simple shotgun which was his first venture into the practical shotgun market about 2-1/2 years ago. This is now called the Tactical Response Standard Model, which incorporates all of the features offered by Scattergun Technologies.

After further study of the market, working trade shows, and communicating with law enforcement and training professionals, Small concluded that no single shotgun met every need. There are certain jobs, particularly in law enforcement, that need specialized shotguns designed for specific applications.

Small doesn't claim to be an expert. His strength seems to be the ability to build an organization which can translate the ideas of the experts into an integrated and effective package. Small's team began to develop a variety of models in different configurations for very specific applications.

Each model is production-built rather than custom-built. This strategy required a large investment up front for special tooling, fixtures, and the design and development of parts. But that extra initial effort enabled SGT to easily incorporate additional models into the product line.

The folks at Scattergun Technologies did their homework well, and their attention to even very small details — as we'll see in subsequent articles — has been com-

mendable. But I believe SGT's principal achievement is the patent-pending Trak-Lock Ghost Ring Sight. The ghost ring concept has been advocated by Jeff Cooper for many years, although people have been very slow to recognize its benefit. The ghost ring allows very quick target acquisition, while delivering precisely aimed shots as well. A properly trained operator can hit clay pigeons with slugs using a ghost ring sight!

The Trak-Lock system is made from heat-treated 4140 steel, and it is the most robust sight of its type in the marketplace. The rear sight only requires one screw for the adjustment of windage and elevation. A toothed track locks the sight in place even when subjected to a substantial blow. Once the sight is adjusted, there is no need for any additional adjustment. A tritium insert in the front sight blade, which features a sapphire lens and is encased in a protective sleeve, enables the operator to aim under poor lighting conditions. The Trak-Lock Ghost Ring Sight is a remarkable achievement which provides the shotgunner with a new state of the art in durability and rapid target acquisition under a wide variety of lighting conditions.

One of the things that impressed me most about the shotguns produced by Scattergun Technologies is the attention to small details that only advanced users and shotgun cognoscenti would notice. For example, the front of the ghost ring's aperture is counterbored. This feature cuts down on light reflection within the ghost ring, which could distort the sight picture.

Due to space limitations, other advanced but easily overlooked features found on the shotguns manufactured by Scattergun Technologies will be discussed in the two additional articles that will appear in MGN. The remainder of this article will provide an overview of the specialized shotguns developed for a diverse array of tactical problems.

The first gun SGT developed is probably the most versatile gun produced by the company. Like all models with a shoulder



The Entry Model shotgun is probably the best choice for home-defense and law-enforcement entry teams. It features a 12.5 inch barrel, foregrip with 5,000 candlepower tac light, ghost ring sight, and a total capacity of five rounds.

stock, it features the Trak-Lock Ghost Ring Sight System, and a robust polypropylene buttstock with recoil pad. All of the pump shotguns manufactured by SGT use the Remington 12 gauge Model 870P Magnum shotgun receiver. Semi-automatic models use the Remington 1187P Magnum receiver. All models include a number of proprietary components such as a green fluorescent high-visibility nonbinding follower, a jumbo head safety, and a superb tactical sling.

All guns also feature Certified Milspec Parkerizing, which is probably twice as expensive as what it would cost to apply a quality phosphating in house. "Certified Milspec" means that samples are periodically pulled from production and subjected to government testing to assure that the work in question does indeed meet military specifications. Civilian and law-enforcement clients thus profit from this spinoff of federal contracts. Everyone gets a truly milspec finish.

Every shotgun also comes with the peerless Side Saddle Shell Carrier designed by Larry Moore of Adventurer's Outpost. Most of the high-profile trainers of today are strong advocates of the side saddle, which mounts on the left side of the receiver and provides guaranteed and easy access to six rounds of ammunition in addition to whatever is carried inside the gun.

The most versatile and popular tactical tool produced by Scattergun Technologies marries all of the aforementioned features with an 18-inch barrel and a Laser Products foregrip with tactical light. This is the Standard Model Tactical Response Shotgun. The gun also features a robust magazine extension, which allows the gun to carry six rounds in the magazine tube plus one in the chamber. Add the six rounds in the external side saddle, and the operator should have enough ammunition to handle any realistic tactical scenario shy of the LA riots or a platoon of sappers in the wire.

The Laser Products tac light issued with the Standard Model (and the FBI and Machine Gun News - November 1992



Ninety-nine percent of the shotguns being issued to the U.S. Border Patrol are this Border Patrol Model with 14 inch barrel, one-round magazine extension (for a total capacity of six rounds), and ghost ring sight. This is probably the optimum configuration for a defensive shotgun where a tactical light is not required.



The Professional Model features a 14 inch barrel, one-round magazine extension (for a total capacity of six rounds), foregrip with 11,000 candlepower tac light, and ghost ring sight. This is probably the best shotgun design for general law-enforcement applications.



The FBI Model is the same as the Standard Model, except that it does not have a magazine extension. For some reason, the FBI does not want its field agents to carry shotguns with extended magazines.



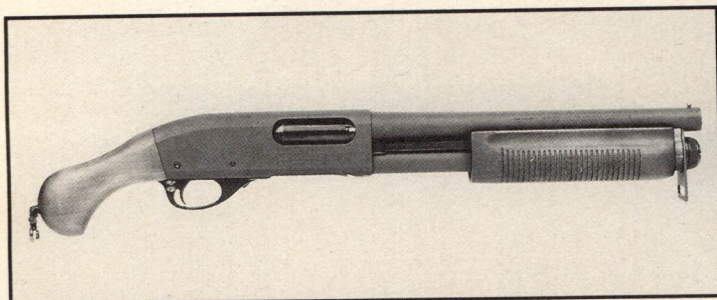
The Standard Model includes a foregrip with 11,000 candlepower tac light, ghost ring sight, 18 inch barrel and extended magazine, for a total capacity of seven rounds.



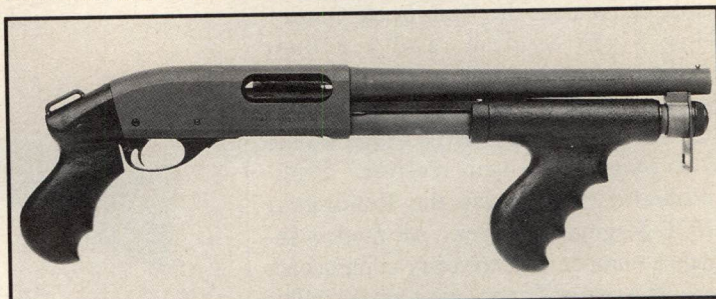
The Patrol Model with 18 inch barrel, ghost ring sight, and no magazine extension is the economy offering by Scattergun Technologies.



The Border Patrol Model with 18 inch barrel has a total capacity of seven rounds. This is only issued to Border Patrol officers for special applications. They prefer the version with a 14 inch barrel as a general-purpose shotgun.



The Concealment Model 00 features a superbly ergonomic birch pistol grip that gives this configuration the least felt recoil of any concealment model.



The Concealment Model 01 features dual pistol grips from Adventurer's Outpost which distribute the recoil to both hands, making this configuration remarkably controllable and comfortable to shoot.

Professional models) uses a 6-volt lithium battery that produces 11,000 candlepower. Considering that this light retails for \$175 alone and the Standard Model incorporates a number of sophisticated components, this gun is an excellent value at \$695 retail.

If a light is not required, the Border Patrol Model with 18-inch barrel is basically the same as the Standard Model. This would be a good choice for practical competition, such as three-gun matches. I would probably opt for the Military Model, however, since it features a heat shield. I've burned my hand twice during competitions. Ironically, the heat shield was incorporated into this model to protect the barrel from dings and dents, rather than to protect the operator from a hot barrel. The Military Model also incorporates an M-9 bayonet lug, which has little practical value to the civilian or military operator. But it does seem to impress REMFs everywhere, including those who issue government contracts. In all other respects, the Military Model is identical to the 18-inch Border Patrol Model.

For some reason that I've not been able to nail down, it appears that the FBI does not wish to issue shotguns incorporating extended magazines to its field agents. To satisfy this requirement, the FBI Model is identical with the Standard Model, except that it has a standard length (4-round) magazine tube. Thus with a round in the chamber, the gun's total capacity is five rounds.

Individuals or agencies that don't need

the tac light or cannot justify the cost of the more expensive models might wish to consider the Patrol Model, which incorporates the basic features found in SGT's other variants. The Patrol Model includes the Trak-Lock Ghost Ring, synthetic stock and foregrip, high-visibility nonbinding follower, and SGT's outstanding tactical sling.

All of these unrestricted models provide an excellent bang for the buck, and can be carried into non-NFA states. But NFA shotguns fill some specific tactical niches better than tactical shotguns of conventional length and weight.

I believe that the NFA shotguns with shoulder stocks produced by Scattergun Technologies provide the optimum tools for personal and home defense. In fact, the Border Patrol Model with 14-inch barrel may be the optimum general-purpose defensive shotgun. It's short enough to maneuver in confined spaces, and long enough to carry five rounds in the magazine plus one in the chamber. Add six rounds to the side saddle, and this system can solve a lot of social problems. It is quite interesting that 99 percent of the Tactical Response shotguns purchased by the U.S. Border Patrol were the 14-inch variant, and the 18-inch model was only adopted for special applications. These 14-inch variants require a \$200 transfer to individuals as short-barreled shotguns.

The 14-inch Border Patrol Model only has two potential liabilities, whether the operator is a law-enforcement officer or a civilian defending against an intruder. The

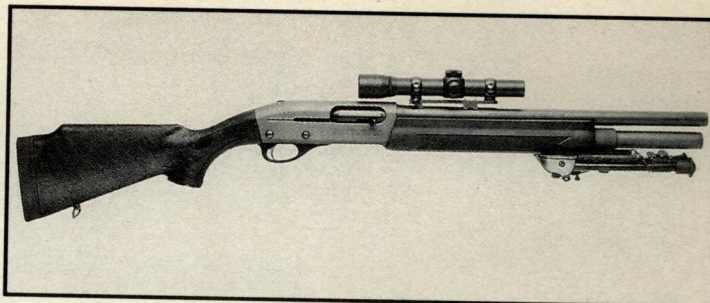
most critical liability is target identification, which cannot be overemphasized. A target must be identified as a real threat to survival before lethal force can be ethically or legally employed. Thus, I would prefer the Professional Model with its 6-volt Laser Products tac light, especially if the gun will be employed outside or in a large building like a warehouse. The Professional Model is simply the 14-inch Border Patrol Model with the tac light.

The other potential liability of the 14-inch models is that they may still be a bit long for operating in confined spaces such as a house or apartment. The Entry Model with its 12.5 inch barrel and a 3-volt tac light probably provides the optimum performance for a home-defense gun. Its tac light features a loop that prevents the hand from slipping off the foregrip during operation. This is a very useful feature. The 3-volt light provides enough illumination for room searches and target identification in the small rooms characteristic of residences. The Entry Model also requires a \$200 transfer to individuals.

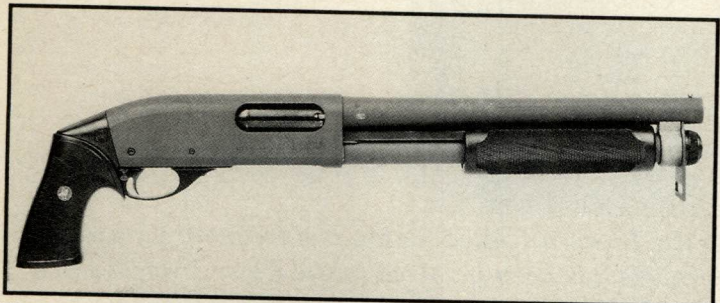
The law-enforcement community is becoming increasingly interested in semiautomatic shotguns, especially for K-9 units where the officer must control a dog with one hand and could not, therefore, operate a pump shotgun. The Tactical Response K-9 Model with 18-inch barrel was designed with the dog handler in mind. A variant with a 14-inch barrel has just been introduced, but it has not yet made it into the SGT catalog.



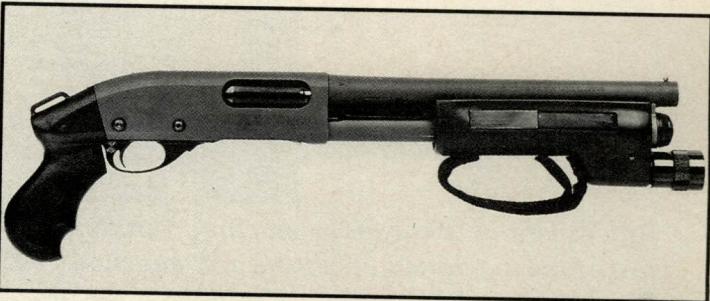
The semiautomatic K-9 Model is based on the Remington 1187P receiver and features an 18 inch barrel and ghost ring sight. A K-9 Entry Model with 14 inch barrel is also available.



The semiautomatic Urban Sniper Model features an 18 inch rifled barrel, Burris Scout Scope, and bipod. The gun will shoot 1.25-inch groups at 100 yards with Brenneke slugs.



The Concealment Model 02 features Pachmayr pistol grip and foregrip, five-round total capacity and 12.5 inch barrel. This configuration produces the greatest felt recoil of any concealment model.



The Concealment Model 03 features a foregrip with a 5,000 candlepower tactical light, five-round total capacity and 12.5 inch barrel. It makes an interesting choice for home defense, where target identification is a critical issue.

The most unexpected, and arguably the most specialized shotgun produced by Scattergun Technologies is the Urban Sniper Model. The folks at SGT believe that a \$2,000 to \$3,000 sniper rifle capable of hits to 600 yards is not cost-effective in the urban environment, where the average shot by a police sniper is 78 yards. So SGT started with a Remington 1187P Magnum receiver and then added an 18-inch rifled barrel, Monte Carlo synthetic stock, extended magazine tube, Harris bipod and a Burris Scout Scope for the fastest possible target acquisition. The gun will shoot 1.25-inch groups at 100 yards with Brenneke slugs, and the complete system costs less than \$1100 with optics. That's about the cost of just the scope alone on some sniper rifles.

The four stockless concealment models produced by Scattergun Technologies are another class of highly specialized firearms for the advanced operator in unusual tactical environments. Originally developed by the U.S. Marshalls Service, these guns were designed as defensive tools to be employed in very close, crowded quarters from an armspan away, where any chance of overpenetration was unacceptable. They are generally employed with number 4 or 6 game loads, and concealment weapons produced by Scattergun Technologies could not be used with buckshot or slugs. Classified by BATF as Any Other Weapons (AOWs), they only require a \$5 transfer.

Having spent a great deal of time in the Alaskan bush as a biologist and freelance Machine Gun News - November 1992

photographer, I came to realize that a short-barreled, stockless shotgun made a lot of sense in bear country when carrying a larger weapon was not possible. A round of 000 buck up the spout followed by slugs seemed like a good compromise for bears. A dozen rounds of number 6 game loads back in camp provided the ability to forage for camp meat if the bush plane couldn't pick me up as planned. The short shotgun also proved ideal when traveling hundreds of miles above the Arctic Circle by kayak.

The only place I have some philosophical differences with Roger Small is the fact that his AOW shotguns are designed for game loads. His AOWs provide a superb solution for probably 85 percent of those folks who need or would like a shotgun of this type. Most folks will fire in self defense at a range of 6 to 12 feet in a residential environment where the risk of overpenetration is critical. Furthermore, Small's birch pistol grip is the most comfortable I've used.

But game loads are only effective as an antipersonnel round against lightly clothed opponents at very close range (two armspans or less), while small shot (number 4 to 7-1/2) is ineffective at a distance of four armspans. I know of one instance where number 4 buckshot failed to penetrate the winter clothing of an opponent engaged at close range. I prefer to use 00 or 000 shot for greater effective range (15 yards for self defense), increased penetration, and tighter patterns — since I don't face potential scenarios where over-

penetration is typically an issue.

Clearly, there are some applications where a custom AOW based on different design criteria than the SGT Concealment Models will provide a better solution. This is particularly true where buckshot or slugs are required, where a broad variety of ammunition may be required for different applications with the same gun, where perceived recoil is a problem that requires mitigation for a particular shooter, or where an even more compact shotgun is required.

There will always be a place for the custom AOW shotgun, although it would probably be appropriate to incorporate some of the proprietary parts manufactured by or for Scattergun Technologies. At a minimum, I would want my custom 12 gauge handcannon to incorporate SGT's high-visibility nonbinding follower, jumbo head safety and birch pistol grip, as well as the Wolff magazine spring made exclusively for Scattergun Technologies.

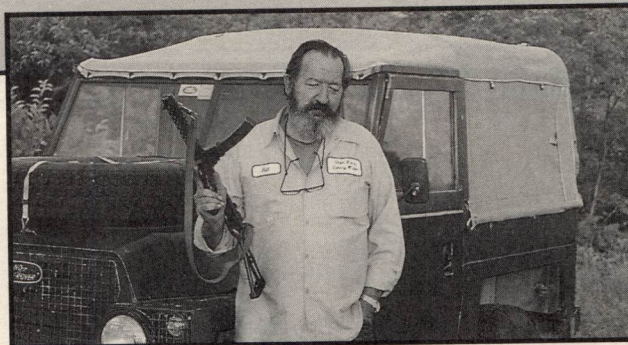
But for the vast majority of practical shotguns, the diverse array of NFA and non-NFA shotguns produced by Scattergun Technologies will provide an excellent solution for their particular tactical requirements. And these guns will provide many of the advanced features normally associated with custom guns, at a more cost-effective price. Scattergun Technologies delivers a big bang for the buck.

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THE INTERVIEW: Part II

BILL VALLERAND



Bill Vallerand is known by machine gunners all over the Eastern United States, is a frequent fixture at most of the machine gun shoots and gunshows out here. He has been involved in the Class 3 world since the 1950's and has excellent records of the procedures from the pre-68 era. He is also a wellspring of knowledge about unusual machine guns, having owned many. It was a great pleasure when he agreed to record this candid conversation with MGN's - Dan Shea.

Correction - in Part I of the interview, Bill was misquoted in a transposition error. He served with the 11th Marines in the Korean War, not the 11th Range. Now we continue with The Interview.

MGN: Bill, how do you keep up with the massive ammunition expenses that we run into from this sport?

BV: Well, if I don't have any ammunition, I don't go to a shoot. The surplus ammunition that's around is sufficient for now. I try to pick some up wherever I can, whenever I have any spare change. I pick it up and use it, but I do reload also when necessary.

MGN: In light of the CBC episode that's going on in 7.62 x 51, with the guns blowing up here and there, is there anything that sticks in your mind about other types of ammunition?

BV: The 8mm Mauser Egyptian ammunition that is around now, that seems to be drying up, I do notice that there are a lot of head space problems with it. It all seems to be short on head space. All that I've checked, about 15,000 rounds of the stuff, seems to be the same. A good indicator for a person who is shooting it would be the cartridge case heads will separate just like excessive head space in a Browning. Splitting the cartridge case. Light hits on the primer occasionally....in a Vickers or a Maxim or a Browning it's not as bad because the rim is held in the face block. And the rim is held back in against the face of the breech block. The head space on those is not as critical.

MGN: What guns would this 8mm show up as being dangerous in?

BV: MG-34's and MG-42's especially. They have excessive head space. You can rupture a cartridge case very easily. I know the last shoot I went to, I went through three barrels in my MG-42 in succession. That was all out of one belt. I forgot my broken shell extractor, too. I think that most of the Egyptian stuff is drying up now; there's not too much of it left.

MGN: Were there any parallels further back in your shooting where you ran into problems?

BV: With ammunition you run into some periodically. Right now there's a big scare on the 8mm Mauser with the steel cased ammo. The powder is deteriorating in the cases from the inside out. The steel cased ammunition apparently can look perfect, in excellent

condition, but the damage is on the inside. I'd recommend that shooters pull a bullet on this ammo and take a look at what's inside. If you had one little spot of rust on the outside, then that means it's pretty bad. On another note, some of the 7.7 Jap seems to blow up occasionally, I've had some of that.

Unfortunately, I don't have a Jap, I wish I did. There aren't too many of the Nambus around. I've blown up only two or three guns in my life. I blew up a Johnson which, for the life of me I still don't know why. That was a 1941 30-06 Johnson LMG.

MGN: I've noticed that you like the 30-06 caliber. A lot of your guns you've converted over the years to 30-06.

BV: Everything I can that's feasible. I'm in the process of attempting to convert an MG-42 over to 30-06. If you load the projectiles to 8mm length, the MG-42 will function fine.

MGN: In a period of time where 30-06 ammunition is fairly hard to get, chambering your guns in 30-06 would seem an odd thing to do.

BV: I reload for them. I can tailor my load to the gun. I have a ZB 26 in 8mm Mauser I picked up at a gun show. I also found what I thought was a ZB 26 barrel in 7mm Mauser. Unfortunately I found out after I got it back that the 7mm is for a ZB 30, on which the bolt has a deeper recess at the head of the bolt. A standard 7mm ZB 26 bolt, you have a quarter of an inch head space. So, consequentially what I do for that gun is to reload. I take 8mm cases, neck them down just far enough to chamber and head space in that 7mm barrel. This 7mm ammo will reload for that chamber but not in any other gun, because it's got a quarter of an inch over head space. I can also tailor my rounds to the gun to get the proper cycling pressure, so if there is any back pressure problem, I can adjust.

MGN: 30-06 would seem an expensive round to choose to reload for.

BV: The 30-06 cases are still abundantly supplied. You can buy bushel baskets full of them. The 30-06 cases are an extremely rugged case, they are a good case, they can stand many, many

reloadings. A lot of the guns, if you tried it with a .308, the case is too short, too stubby. .308 is too parallel walled to function correctly in an '08 Maxim, for example. They could be made to function, but it would be a lot more work. Taking an '08 Maxim over to a 30-06 would be very simple.

IGN: Do you raise the grain on the bullet, or use lead bullets?

BV: I use cast bullets and use as heavy a bullet as possible. Using the heavier bullet gives you better recoil, better back-pressure. Many of the Maxim guns that have been converted to 30-06 usually, with a heavier bullet, you don't even need a muzzle booster on. You can take the muzzle booster right off and the gun still works fine. Sometimes I reduce the powder load, to tailor to the gun, but it is economics also. I reduce the powder load and still get the back pressure I need because of the heavier bullet. The accuracy leaves something to be desired. Leading in the bore is sometimes a problem but that can be quickly cleaned.

(The conversation at this point gets decidedly off the track from machine guns, wanders around several world problems, inter-gender politics related to hobby spending, and several anecdotes that cannot be repeated here for fear of offending the more genteel of our readers.)

We rejoin the conversation as Bill and Dan shuffle through a pile of old transfers and government forms -)

MGN: We're looking at a Form 5 dated 9-62 for the style of form. This particular firearm was made unserviceable by stainless steel welding in the chamber, and also welding the barrel to the receiver. Did that make this gun a de-wat?

BV: That rendered this gun as an unserviceable gun.

MGN: That wasn't a de-wat?

BV: No, a de-wat was when a large company like InterArmco, or

an individual, would bring in a war trophy, it was rendered inoperative. De-activated War Trophy is the full name. This was a gun that I had that was an operating gun that someone wanted to buy, but they wanted it for a wall hanger and didn't want to have to pay the \$200 tax, so you could take an operating gun, weld it up and render it unserviceable and then no tax would be involved. It was still transferred, I would sign it out of my books.

MGN: What if he wanted to make the gun workable?

BV: He would have to pay the \$200 making tax on a Form 1.

MGN: How is that different from a de-activated war trophy?

BV: A de-activated war trophy was nothing. It's like a parts kit is today.

MGN: But they were still registered...

BV: No, they weren't. They were registered in 1968 during the Amnesty. That's one of the reasons they had the Amnesty. The government wanted to control any machine guns that were complete enough to be restored, so the de-wats were included. So many of the companies were selling de-wats. Big companies were bringing in shiploads of guns and de-activating them...welding the barrels closed, welding the barrels to the receivers, or brazing them, and they were just selling them with no paperwork. Today it is cheaper for me to buy a parts kit and get all the parts, than to buy any individual parts I need. De-wats were cheap like that. You could buy Sten guns from \$6.50.

MGN: Before these companies were bringing guns in like that, there were a lot of WWI-type guns. How did those get distributed around the country?

BV: Some were brought back from WWI by individuals. After WWI, the U.S. was awarded an amount of money or goods as reparation from Germany. We accepted thousands of Maxim guns as part of that. There was a time, according

(continues)

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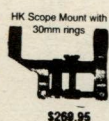
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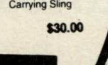
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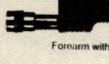
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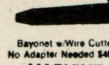
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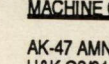
30 Rd. Magazine

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Bayonet

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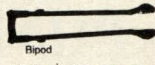
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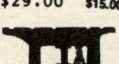
Ripod

*O.G. \$129.95; A.M. \$69.95



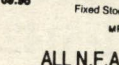
5 Rd. Magazine (7.62mm)

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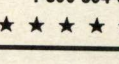
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BV: I have that thing about the "Us and Them" with BATF, which is something that really upsets me. It's our government and it has come to the point where it IS "Us and Them". I feel that we should be working together much more with them. Is it coming from both sides? I can't really say. If we are going to smooth things out, we are going to have to work with BATF, but they are going to have to work with us also.

MGN

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The MP41 Submachine Gun

by NOEL NAPOLILLI AND AL PAULSON

While the MP38 and MP40 submachine guns are commonly referred to as Schmeissers by World War II veterans and screenwriters, Hugo Schmeisser had nothing to do with their design. They were developed at the Erma factory in Erfurt using an integrated, telescoping operating (recoil) spring and bolt assembly designed by Heinrich Vollmer. Hugo Schmeisser did, however, design the MP41, which we prefer to shoot over any other German submachine gun used during World War II.

It's not clear precisely why Hugo Schmeisser designed the MP41 while he was general manager of the C.G. Haenel Waffenfabrik in Suhl, Germany. The Haenel works were already busy as a subcontractor producing the MP40 under license from Erma. What mission or market was he trying to satisfy? He was probably trying to tap the police market, which was then using the MP28,II. Or perhaps he simply wanted to improve on the MP40's shortcomings, and let his better idea market itself.

The MP38 and MP40 had several principle shortcomings as infantry weapons. They could not fire in semiautomatic, which was necessary to engage distant tar-

gets successfully. The folding stock tended not remain rigid during full-auto bursts (especially after the gun had seen a lot of use), which degraded accuracy. And the folding stock was not conducive to a fast, repeatable cheek weld, which also degraded accuracy. Schmeisser's MP41 provided a significant improvement in each of these areas over its predecessors, the MP38 and MP40. (See Tables 1-3 for the general characteristics of these guns.)

But the MP41 never generated large-scale sales. Only about 6,000 were produced, making this weapon rarer than the venerable Fallschirmjägergewehr 42. Most were used as civilian police weapons during the war by internal security units. But, contrary to published reports, we contend that some MP41s were used by the military — probably by the Waffen SS. The MP41 used to illustrate this article has Waffenamts (German army acceptance stamps) which confirm some military use of the MP41. It appears that the Waffen SS used the MP41 during the destruction of the Warsaw Ghetto in the spring of 1943 and during the battle of the Bulge in December of 1944.

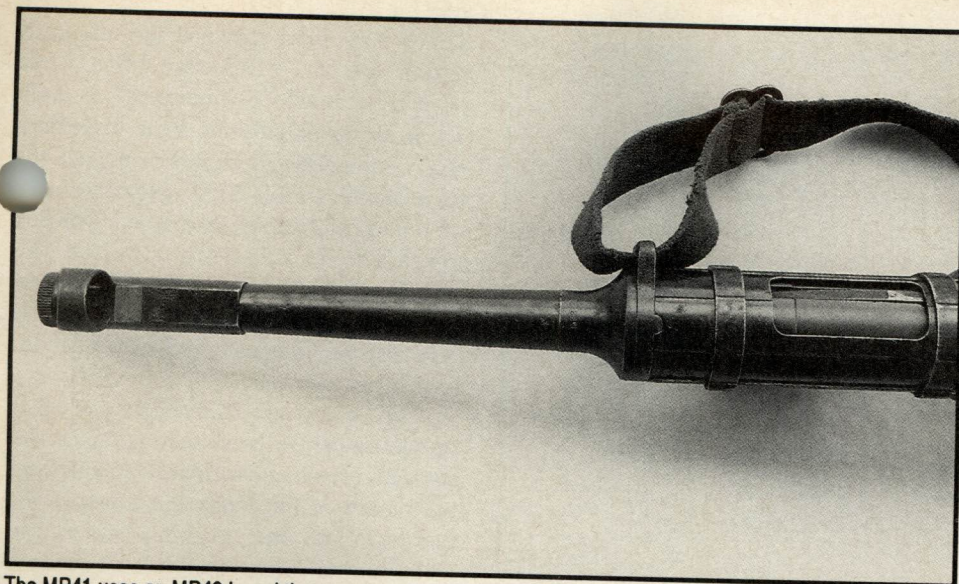
The MP41 incorporates design elements of several submachine guns

intimately familiar to Hugo Schmeisser. The receiver and action came from the MP40. The select-fire mechanism and stock came from the MP28,II (see the July 1992 issue of MGN). The MP40 barrel was modified for the MP41 by eliminating the aluminum or plastic/fiber (Bakelite) bar under the barrel. The MP41 also incorporated a different rear receiver cap, which features a spring-loaded catch to facilitate disassembly.

While the MP41's two safeties were taken directly from the MP40, the safety notch at the rear of the retracting-handle slot in the right side of the receiver was designed by Schmeisser for the MP18,I way back in World War I. The safety notch can be used to capture the bolt in the open position when its retracting handle is pulled fully to the rear of its slot and the handle is hooked upward into the safety notch.

This safety proved to be less than foolproof on the MP38 during the war against Poland in 1939, so Erma responded to the large number of accidental German casualties by redesigning the bolt-retracting handle to incorporate an additional safety. With the bolt forward in the closed position, the new two-piece handle could be pushed into a notch that was added to the

Machine Gun News - November 1992



The MP41 uses an MP40 barrel that was modified by eliminating the aluminum or plastic/fiber (Bakelite) bar under the barrel.

top of the slot in the left side of the receiver. This locked the bolt in the closed position until the retracting handle was pulled out into its extended position. Only then could the bolt be retracted into the open or cocked position.

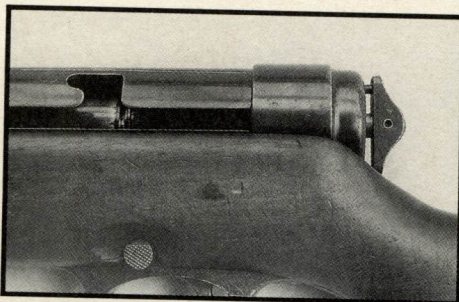
While this might sound cumbersome, operating this safety and then cocking the bolt was almost as fast as removing the cocking handle from the Schmeisser-designed safety slot at the rear of the receiver. And the new safety was a lot simpler.

Most MP38s were retrofitted by army ordnance workshops with these new bolt-retracting handles, which were provided by Erma. This modification of the MP38 was redesignated the MP38/40. The MP40 used the same one-piece, hooked handle as the MP38 until the push/pull handle was incorporated after 1940, when the weapon's official designation was changed to the MP40/I. The MP41 also incorporated this new bolt-retracting handle.

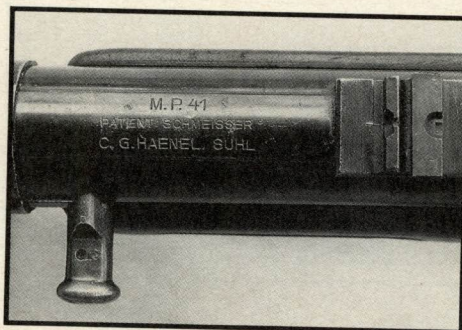
The MP41's selector button is located above the trigger guard in a depression in the stock, just like the MP28,II. Pushing the button from right to left exposes the letter E for Einzelschuss or "single shot" (semiautomatic). Pushing the button from left to right exposes the letter D for Dauerfeuer or "continuous fire" (fully automatic fire).

The top of the MP41 receiver is marked "M.P. 41, Patent Schmeisser, C.G. Haenel, Suhl", and the specimen in the accompanying photograph also has Waffenamts underneath the receiver ring in front of the magazine housing, on the left front of the receiver above the serial number, and on the bolt and its telescoping spring housing. The eagle 37 acceptance mark (continues)

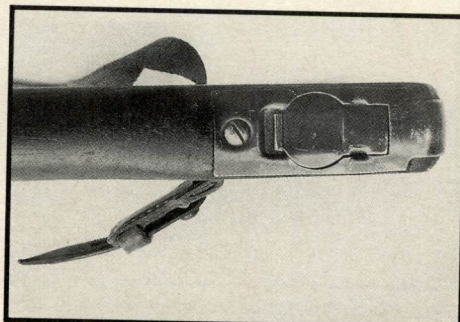
Machine Gun News - November 1992



The MP41 incorporates the safety notch designed by Hugo Schmeisser for the MP18,I World War I, the select-fire mechanism and stock from the MP28,II plus a unique rear receiver cap which features a spring-loaded catch to facilitate disassembly. Note the selector button above the trigger guard.



The rear L-type sight calibrated for 100 and 200 meters. The two-piece bolt-retracting handle is a safety device developed by Erma in 1939 for retrofitting to the MP38.



Details of sling and butt plate with trapdoor on top.

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Table 1. General characteristics of the MP38 submachine gun.

Caliber	9mm Parabellum
System of operation	blowback, open bolt, full-auto only
Cyclic rate	500 rpm
Weight	9.0 lb (4.1 kg)
Feed device	32 round, double-column, single-position feed box magazine
Length overall, stock extended	32.8 in (83.3 cm)
Length overall, stock folded	24.8 in (63.0 cm)
Barrel length	9.9 in (25.1 cm)
Front sight	hooded blade
Rear sight	open U-notch L-type flip set for 100 and 200 meters

Table 2. General characteristics of the MP40 submachine gun.

Caliber	9mm Parabellum
System of operation	blowback, open bolt, full-auto only
Cyclic rate	500 rpm
Weight	8.9 lb (4.0 kg)
Feed device	32 round, double-column, single-position feed box magazine
Length overall, stock extended	32.8 in (83.3 cm)
Length overall, stock folded	24.8 in (63.0 cm)
Barrel length	9.9 in (25.1 cm)
Front sight	hooded blade
Rear sight	open U-notch L-type flip set for 100 and 200 meters

Table 3. General characteristics of the MP41 submachine gun.

Caliber	9mm Parabellum
System of operation	blowback, open bolt, selective fire
Cyclic rate	500 rpm
Weight	8.2 lb (3.7 kg)
Feed device	32 round, double-column, single-position feed box magazine
Length overall,,	34.0 in (86.4 cm)
Barrel length	9.9 in (25.1 cm)
Front sight	hooded blade
Rear sight	open U-notch L-type flip set for 100 and 200 meters

can be found on the barrel, receiver, receiver cap, telescoping spring housing, and bolt. The military test proof eagle is found over the swastika on the barrel.

While magazines can be encountered marked "MP41", they don't seem to differ in any way from the common Maschinenpistole magazines which were being stamped "MP 38 u. 40" by the time the MP41 reached production in 1941. Both variants are fully interchangeable. As is typical of all double-column, single-position feed magazines, a loading tool is required to load this magazine to maximum capacity.

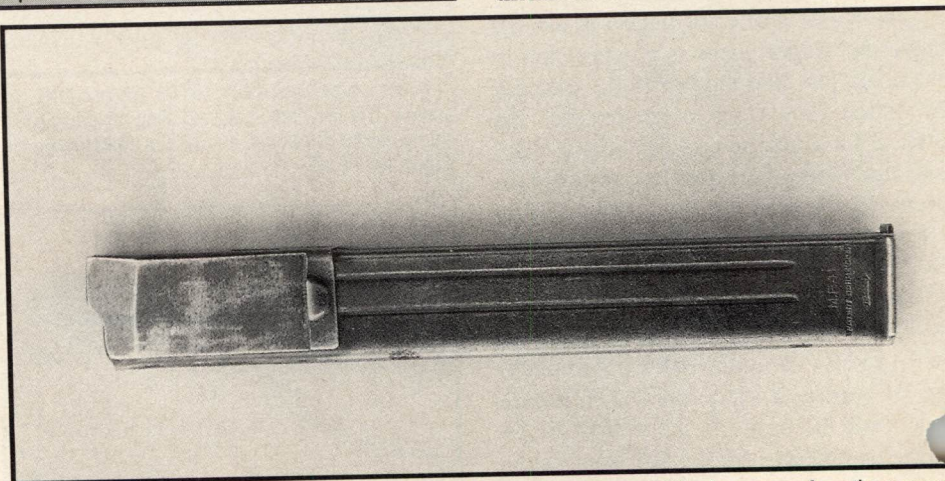
These magazines may also be stamped "Patent Schmeisser"; perhaps such mag-

azines may have spawned the erroneous notion that the MP38 and MP40 were properly termed "Schmeissers" as well. These are essentially the same magazines Hugo Schmeisser designed to replace the unsatisfactory snail-drum magazines used on the MP18,I submachine gun. This box magazine is sometimes called the "Schmeisser 28" because it was first produced for the MP28,II. The new magazine could accommodate several different cartridges.

The Schmeisser 28 magazine, which is wedge-shaped in cross section, holds two staggered rows of cartridges. A taper near the mouth of the magazine squeezes the two rows into one. A robust sheet-metal collar surrounds and reinforces the stamped magazine case, and helps prevent distortion of the magazine's feed lips. A slot in this reinforcing collar accepts the magazine catch, so the inner sheet-metal casing is not perforated. This enhances reliability since the catch cannot interfere with the movement of the cartridges or magazine follower within the casing.

When Erma began developing the MP38, the front-to-back dimensions of the Schmeisser 28 magazine were shortened to specifically fit the 9mm Parabellum cartridge. This downsizing produced a lighter, more compact, economical magazine.

The Schmeisser 28 magazine also inspired the design of the magazine used in the British Lancaster submachine gun, which was actually a quality clone of the Schmeisser-designed MP28,II. The Lancaster magazine, in turn, inspired the Sten and U.S. M3A1 "Greasegun" magazines. None of these descendants seemed to function quite as reliably as Schmeisser's original design. Part of the problem was quality control, especially of the magazines themselves.



While magazines can be encountered marked "MP41", they don't seem to differ in any way from the common Maschinenpistole magazines which were being stamped "MP 38 u. 40" by the time the MP41 reached production.

The Schmeisser magazine faces several potential problems. The mere fact that the magazine forces a transition from two to one columns of cartridges can cause hang-ups, especially if the magazine is dirty. A much more serious set of problems center about the fact that the position of the feed lips on these magazines is absolutely critical. So poor quality control by the manufacturer or bending the feed lips during hard use will adversely affect the reliability of the magazine. This problem is exaggerated in guns like the Sten, which frequently have magazine housings and magazines with dimensions that vary widely.

The best way to maximize the reliability of Schmeisser-type magazines is to keep them clean and not fill them to capacity. Only fill them to within one or two rounds of capacity. Soldiers issued Schmeisser-type magazines were typically advised to discard suspect magazines.

To fieldstrip the MP41, begin as always by removing the magazine and clearing the weapon. To remove the rear receiver cap, push its spring-loaded catch inward. Pull the integrated operating (recoil) spring and bolt assembly from the rear of the receiver. No further disassembly is required. Reassemble in reverse order.

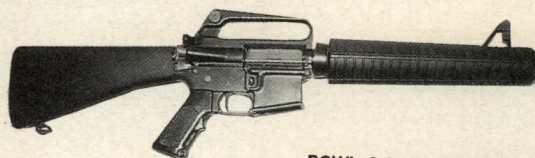
Firing the MP41 on full auto is a treat. Among all the World War II submachine guns we've fired, only the Beretta 1938A provides similar hit probability, and only the Beretta 38/42 provides comparably quick target acquisition. When shooting the MP41 on semiautomatic, which fires from the open-bolt position, the bolt jumps forward and its mass tends to force the muzzle down before the gun actually fires. Nevertheless, hit probability on a torso-sized target remains high at 100 yards. Hit probability is disappointing at 200 yards, but that range is pushing the edge of the envelope for any open-bolt gun of pistol caliber. The MP41 excels at typical subgun engagement distances. (Closed-bolt submachine guns like the H&K MP5, however, can deliver first-round torso hits at 225 yards when a skilled operator fires the gun on semiautomatic.) The MP41 tends to dominate all the other WWII-vintage submachine guns during the competitions at the annual Alaskan Memorial Day Shoot.

Hugo Schmeisser's MP41 was the best submachine gun that Germany fielded during World War II, and it was certainly one of the best submachine guns of that era.

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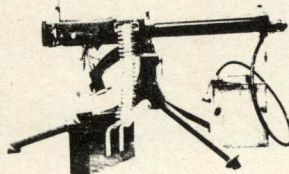
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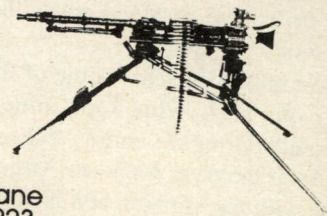


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Sorry I missed everybody at Knob Creek, I've been abroad.
Brought back lots of rare & unusual accessories!
Will look forward to hearing from you!

How do you describe 45 beltfed machineguns and a dozen submachine guns blasting away at once, while dynamited targets explode?

Maybe I just did, but it is definitely a sight to be heard, preferably through hearing protection.

Once again sunny skies greeted shooter and spectators at the North Country Shoot held June 25-27 at our site in North Stratford New Hampshire. We did get a few rain drops during our subgun matches Saturday afternoon, but they ended before most of us could find our rain gear.

One match rifle shooter who came to watch commented to this writer, "You guys sure run a noisy shoot, but there are some unbelievable guns here."

Our gunners deserve high praise this year for their conduct and their safety habits. We noticed many shooters holding their subguns so that the brass was ejected downwards instead of all over the guy shooting next to him. And as we all know, you can't have a safe shoot without safe shooters.

We must also share some of the praise with our staff who kept things going smoothly during the entire weekend.

As in the past, Jonathan Arthur Ceiner came with his Minigun and his fine line of suppressed products. In fact Jonathan opened some segments with a burst from the minigun and put on a suppressor demonstration.

Dan Shea, famous to most of us as the author of the "Machine Gun Dealers Bible", Raffica and The Forms columns in this magazine, brought a 60mm Mortar and fired a few practice rounds. I think Dan got more of a boot out of his Mortar than the crowd.

Also on hand were our friends from Vermont with their Stuart Tank and its 37mm gun. It's an impressive combination and really wakes up the spectators. This year their gunner was right on the mark and hit most targets with the first shot.



The firing line.

MINUTEMAN SHOOTING CLUB'S NORTH COUNTRY SHOOT 92

by *DICK MORIN*

Machine Gun News - November 1992



Feeding the ANM2 30 Cal.

A new addition to this year's shoot was a display of World War II flame throwers owned by Charles Hobson, of Syracuse, NY. The models on display were not functional, but we were promised a demonstration of live flamethrowers at our

next shoot. And Mr. Hobson said flamethrowers filled with pressurized water would be available for shooting. I guess there won't be any targets for the gunners to burn when the flamethrower gets through.



Smoking targets with a 1919 A4 in .308.

As in the past we had dealers from throughout the East coast set up in our dealer tent area and perspective buyers wore a dirt path through the grass around them.

With each passing year we get shooters from further away. At this shoot they came from NY, PA, VA, CT, RI, MA, and Canada. We even entertained a couple from the Virgin Islands who came to examine the wares of Jonathan Ceiner. Ceiner drove all the way from Florida, with the lovely Carolyn, just to smoke the barrels of his Minigun and escape the heat of the Florida summer.

As always there were belt-fed guns of every description and vintage as well as subguns from all eras.

Stan Andrews brought and shot a post 86 dealer sample of one of those folding Hotchkiss "Universal" machineguns that Long Mountain Outfitters is offering as parts kits. The gun was a marvel of buttons, catches and interesting features. But much to everyone's surprise, even Stan's, the gun ran flawlessly through several hundred rounds.

Machinegun fanatic Jim Ballou was in his glory, shooting guns from several dealers in his quest to fire every model of machinegun ever invented. We don't think Jim will ever get to them all, but it's certainly an interesting enviable ambition.

Our dynamite crew did their usual superb job of providing explosive and pyrotechnic targets to delight shooters and spectators. They also dragged out some of those massive strings of Chinese firecrackers our shoots are becoming noted for, and fired several aerial fireworks salutes to open shooting segments.

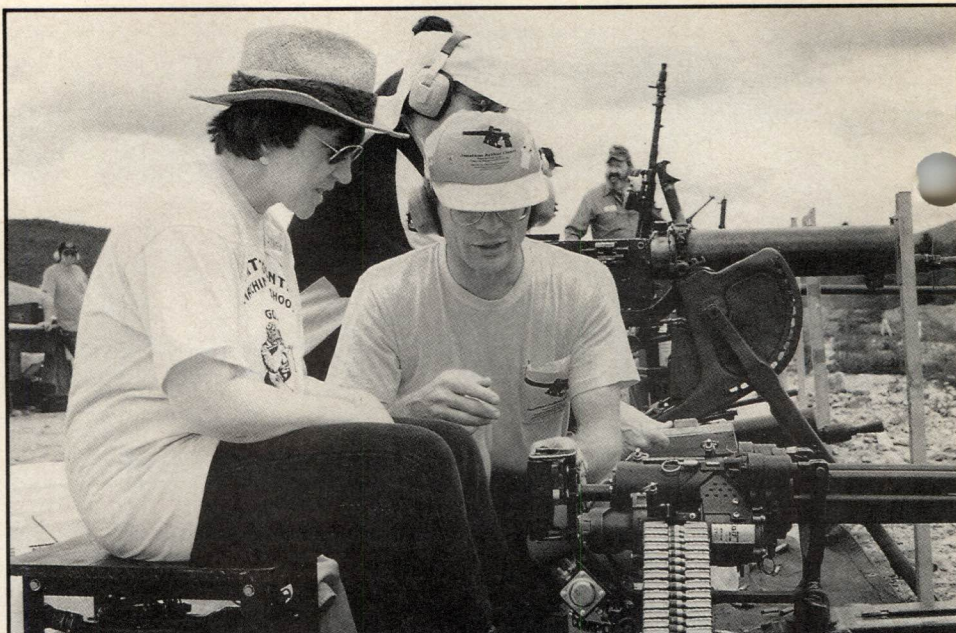
Our shooters again were responsible for annihilating more than half a dozen cars during the weekend. Some of them were shot up so bad that there was no way to pick them up. They must have been bulldozed into the trucks for removal. (continues)

As always there were belt-fed guns of every description and vintage as well as subguns from all eras.



Stuart Tank.

Everyone at this shoot was prepared for a long siege especially one group from Connecticut, who along with DLO's Doug Offinger, brought an estimated 30,000 rounds of ammunition. Most of it loaded on cloth belts. How much did they bring home? Less than 2,000 rounds....they say. But this observer who spent most of the weekend manning the tower over the firing line saw them shooting constantly. Whenever we looked their way they were running



Cyndie Wilson receiving instructions from Jonathan Arthur Ciener before firing the Mini-Gun.

a belt non-stop through a gun.

One plus this year was the use of new tents. Instead of our usual Army surplus, we used commercial tents with open sides and striped roofs. These tents added a bit of a carnival air to the shoot and raised most of our spirits. Not that we needed our spirits raised when indulging in our favorite pas-

time, namely filling some sandbank with lead.

The Minuteman Shooting Club is holding the next shoot in the spring, in New Boston, NH. For more information contact the club at 603-487-3884. Consider attending. We can guarantee a good time and all the noise you can stand. MGN

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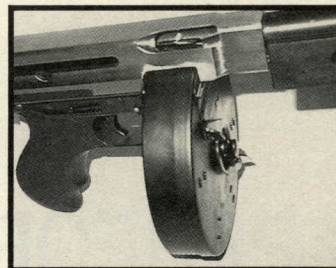
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Either I screwed up or Don Walsh was pulling my leg. I suspect the latter, since both my recollection and my notes confirm a conversation we had just before Walsh reportedly moved to Bangkok several years ago. If my memory and notes are correct, he told me that he never designed suppressors using mesh donuts as the primary component. I therefore reported in the February/April 1991 issue of *Machine Gun News* that a book published in 1983 was in error when it showed a photo of wire mesh donuts as the prime internal components of Larand suppressors. Walsh had told me in May of 1989 that the secrets he revealed in that interview were a disinformation campaign meant to throw off the competition. He cited the design of a particular company's .22 and .25 caliber pistol suppressors as one example of the success of his disinformation. For whatever reason, my article was wrong.

I am in the debt of Captain Monty Men-

denhall for showing me the error of my ways, and I am in the debt of J. Cliff Brower for allowing me to shoot his silencer that "never existed." This article will evaluate the performance of the phantom Larand suppressor, which was made about 1980 and carries the serial number B 003. The "B" stands for Browning, since Walsh built this suppressor for the Browning take-down rifle.

The concentric suppressor is constructed of blued steel with knurled endcaps. The can measures 7.6 inches (19.2 cm) long and 1.0 inch (2.5 cm) in diameter. The small diameter of the tube permits the use of the Browning's iron sights. The suppressor weighs 9.9 ounces (281 grams).

The tube is tightly packed with mesh donuts, which are noticeably frayed now that about 200 rounds have been fired through the suppressor. While numerous wires extend into the central passage of the suppressor, they don't have a noticeable ef-



PERFORMANCE OF THE LARAND That Never .22 SUPPRESSOR Existed

by AL PAULSON

fect on accuracy at this time. Accuracy is bound to suffer as this fraying accelerates, however. If I had to guess, I could expect this to become a serious problem within another 300 rounds.

Sound signatures were measured using a Bruel and Kjaer Type 2209 Impulse Precision Sound Pressure Meter (set on A weighting) with a B&K Type 4136 1/4-inch condenser microphone. The microphone was placed 1.00 meter away from the front of the suppressor or muzzle, at a 90 degree angle from the bullet flight path. The meter was calibrated just before and just after the tests with a B&K 4230 calibrator. No instrument drift was observed. The ambient temperature was 88 degrees Fahrenheit. Velocities were measured using a P.A.C.T. MKIII timer/chronograph with MKV skyscreens set 24.0 inches apart and the start screen 8.0 feet from the muzzle. At least ten shots of Winchester subsonic ammunition were fired in each test to obtain a valid statistical sample.

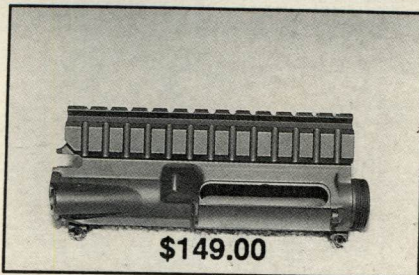
The unsuppressed Browning produced a muzzle signature of 139 decibels, while the Larand suppressor lowered the sound signature to 114 decibels. This represents a net sound reduction of 25 decibels. Since the Browning ejects from the bottom rather than the side, mechanical noise and blow-back of combustion gases through the ejection port were directed away from the shooter. The suppressed Browning was a delight to shoot. Unsuppressed velocities averaged 1,058 feet per second, while suppressed velocities averaged 1,063 fps. There is no meaningful difference between these velocities.

Comparing these data to the .22 muzzle cans evaluated in the June 1992 issue of Machine Gun News suggests that the Larand design is quieter than the outstanding AWC Archangel and AWC Warp 3 suppressors shot with subsonic ammunition on a Ruger 77/22. The Larand even equals the performance of the JR Customs Navy suppressor. That's the good news. The bad news is that fraying of the mesh donuts is pronounced after only 200 rounds, so this Larand suppressor has a limited useful life.

The "silencer that never existed" does indeed exist. And it performs very well, indeed. But its limited lifespan renders this design impractical in a legal environment where individuals must pay a \$200 transfer and cannot purchase replacement mesh donuts. This particular Larand design has no place in the modern U.S. marketplace. But it is certainly a fascinating slice of history.

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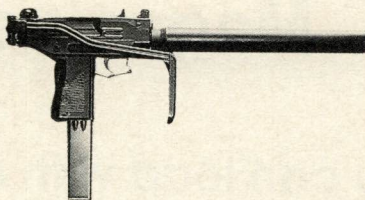
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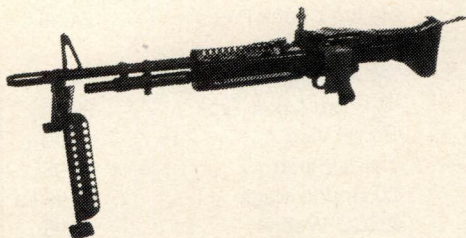
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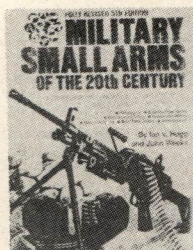
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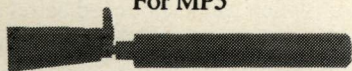
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BROWNING AUTOMATIC RIFLE 1918A2

By SHAWN R. DANIEL

About two and a half years ago, Jon Carter, a fellow Idaho Automatic Weapons Collectors Association member and Class III dealer, invited me to fire his excellent-condition Browning BAR 1918 A2 Light Machinegun (Royal McBee Typewriter Corp. mfg.). I couldn't pass this up, as I've always loved the BAR, and had been dying for the opportunity to fire one of those magnificent pieces.

The BAR, John Moses Browning's brain-child, was originally developed in 1917 to meet the needs for an automatic rifle for American troops fighting in the trenches of WWI. The rifle was originally intended to be fired from the "hip", or under-arm position while advancing across "no-man's land". Before the end of WWI, 85,000 BAR 1918's were manufactured by Marlin Rockwell, Winchester, and Colt.

The BAR was manufactured in five basic configurations. The original BAR 1918 had no bipod, weighed 16 pounds,

was selective-fire, used a simple tube-style flash hider, and utilized the same rear sight and butt plate as the 1917 Enfield rifle.

In 1937, a new version of the BAR was created, designated BAR 1918 A1, in which a shoulder plate was installed (hinged to the butt plate), and had a spike-bipod mounted to the gas cylinder just forward of the forearm.

Shortly before World War II, the BAR 1918 A2 was adopted by the US military. The bipod had skid-feet (instead of spikes) and was mounted to the flash hider; the forearm was cut down in height and shortened; some forearms had grooves cut into them; a metal shield was installed into the forearm (to protect the recoil spring guide from barrel heat); the shoulder rest plate was shortened; right and left magazine guards were installed at the front of the trigger guard body; the rear sight was similar to that of the Browning 1919 A4; had a removable stock rest (that fitted in a

hole in the bottom of the butt stock); and finally, was not capable of semi-automatic fire, but rather, had a selective rate of fire (slow and fast).

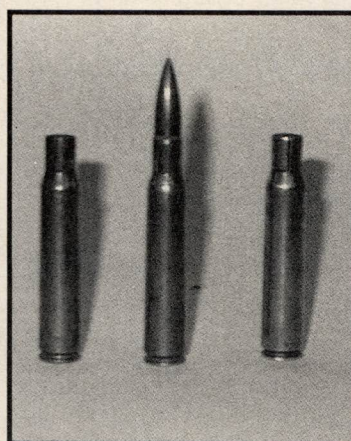
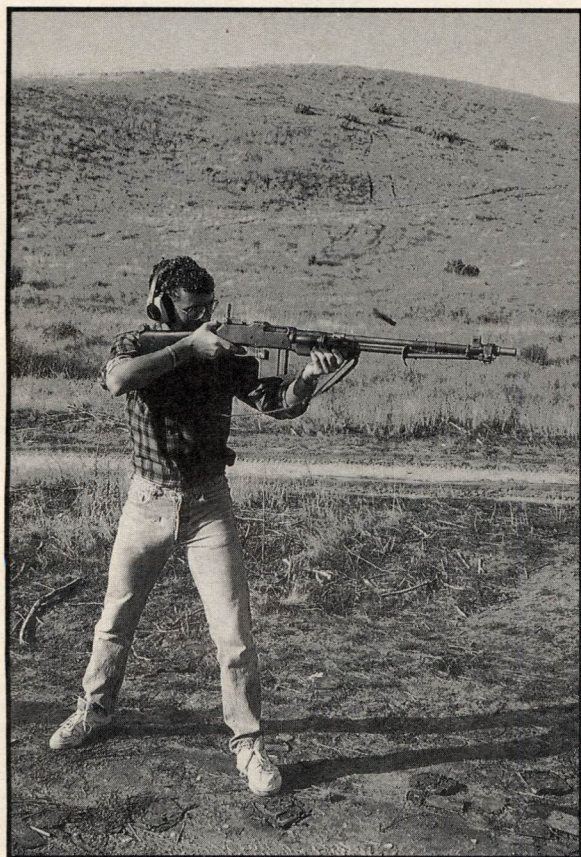
During WWII, the BAR went

through a number of other modifications. The detachable stock rest was discarded, as well as the wooden butt stock, and a new plastic butt stock was introduced. Also, near the end of WWII, a carrying handle was developed. During the Korean War, Royal McBee Typewriter Corp. manufactured 61,000 BAR 1918 A2's. It was during this period a gas cylinder regulator (that could be turned by hand) and a prong-type flash hider was adopted. This particular model of BAR is most widely encountered, and happens to be the same model which I test-fired last winter.

The next model of BAR was the BAR, or BMR (Browning Machine Rifle) Model of 1922. This model appeared in very limited numbers, and was developed to give the horse cavalry of the twenties a light-weight sustained fire capability. It had a heavy barrel with radial cooling fins (like those found on a Thompson Model 1921 submachine gun); a butt stock swivel mounted to the left side of the stock; a wide groove around the butt stock for the butt rest clamp; and a bipod that clamped around the barrel (as opposed to the gas cylinder mountings on the 1918 models). This model of BAR was declared obsolete in 1940.

The last configuration of BAR was the T34 Automatic Rifle, developed in 1949. It was basically a BAR 1918 A2 that was rechambered to fire 7.62x51mm NATO (.308 Winchester) ammunition. It was the last BAR to be adopted for US military service, and was declared obsolete in 1958.

Besides the five BAR's listed above, there were also two other minor versions manufactured. Colt manufactured the Colt Monitor (which had a shortened barrel and was widely used as a police weapon), and the Colt R75A for police and foreign governments (which had a quick-change barrel similar to that of the Swedish Model 37 BAR). Fabrique Nationale d'Armes de Guerre (FN) also produced a number of BAR's. If the reader desires more detail and descriptive information on the BAR, one need only consult Ezell's revision of W.H.B. Smith's classic "Small Arms Of



Above: A sampling of the notorious Columbian .30-06 ammo that was used. The casing on the far right is split the length of the neck. About 1 out of 3 rounds turned out like this.

Left: Despite the 19.4 lbs. weight of the BAR, the author found he could fire the gun off-hand for short durations. (though not without some difficulties)



The Browning BAR 1918A2

The World". This book is considered by many to be the Bible of military small arms.

Well enough about the gun — how does it shoot?

To begin with, the day we went out to test-fire the BAR was a rare day for the middle of winter in Idaho. Not one single cloud inhabited the clear blue December sky. I could not feel a breeze, and the outside temperature was about 70 degrees Fahrenheit. It was a rare day indeed for the month of December.

Unfortunately, the ammunition that we had to run through the gun wasn't as nice as the weather; Colombian manufactured .30- with inert primers and split casings a-plenty (it was jokingly remarked by Jon that the arsenal responsible for manufacturing this ammo for the Colombian military was probably owned by the drug barons).

Despite the short-comings of the ammo used in this test, the BAR performed admirably. All the test groups were fired from the prone position at 100 yards and 200 yards, respectively (I also screwed around firing from the underarm and off-hand positions periodically). Most of the groups fired were of three rounds, but I also occasionally fired multiples of 2-4 round bursts at a single target until an entire 20 round magazine was depleted — see the pictures of the 200 yard targets.

Since the BAR fires from an open bolt, the sear is the only device that keeps the bolt from slamming into battery and firing a round. When the fire selector is switched to the middle position "A" (for

high rate of fire — 600 rpm approximately), the bolt is allowed to travel unimpeded into battery after being released by the sear. When the fire rate selector is switched to the forward position "F" (for slow rate of fire — approximately 300 rpm), the bolt's reciprocating action is obstructed

momentarily. Here is what happens.

As the bolt reaches the apex of its 4 11/16 inch rearward travel (under gas pressure of the just-fired round), the rear of the bolt slams into a steel weight that protrudes approximately 3/8 inch into the rear of the receiver from the face of the buffer head. This steel weight acts as a delay mechanism; when it is struck by the rear of the bolt, it travels down the buffer tube (approximately 6 inches) under spring tension, then returns. Meanwhile, the bolt begins its forward motion, but is halted by the sear (like with a semi-automatic). The returning weight slams back into the rear of the receiver and hits the sear release lever. The sear release lever then moves forward at an upward angle and cams the sear out of engagement with the bolt, thus allowing the bolt to resume its forward motion to slam another round into battery and repeat the whole process over again.

As a result of this engage-release, engage-release action, I found that the gun tends to operate with a jerking sensation, and thus, is less controllable than when the fire selector is switched to the "A" (high-rate of fire) position. Even though the rate of fire on "A" is twice as fast as the slow "F" rate, the bolt's movement is smooth,

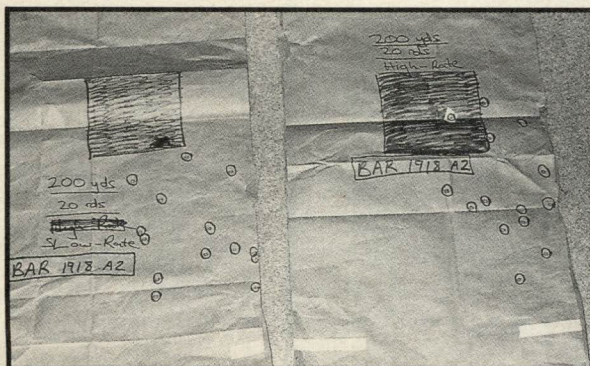
continuous, and unimpeded. Therefore, I found the "high" rate of fire as being slightly more controllable — as the pictures of the test-targets testify to.

At 100 yards, firing 3 round bursts on "slow", my group spread was 4 1/2 inches vertical, and 6 1/2 inches horizontal. On "high", my group spread was 2 1/2 inches vertical, and 3 1/2 inches horizontal. At 200 yards, I fired multiples of 2-4 round bursts until a 20 round magazine was depleted. On "slow", my group spread (that was on the paper) had a 15 inch vertical spread. On "high", my group spread had a 13 inch vertical spread. Since my groups traveled to the right and went off the paper, I can't give valid horizontal spread measurements. (Note: Even though I fired at a number of targets through-out this test, I chose the ones pictured because I felt they represented the "average").

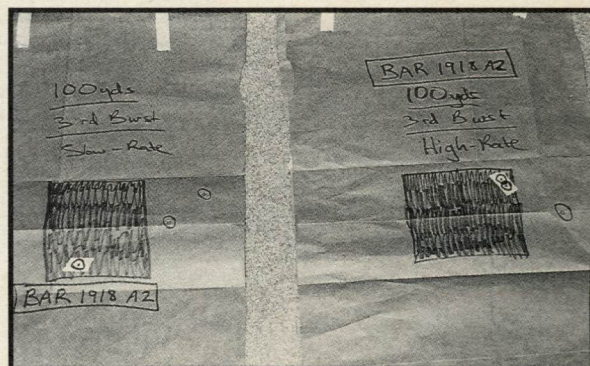
The above groups were fired from the prone position. When shooting prone, the gun is more controllable on "high". However, when firing off-hand or underarm, I like switching the selector switch over to "slow". I couldn't really tell if "slow" or "high" was more controllable in these positions (due to the erratic patterns of dust that my bullets threw up), but it felt more comfortable on "slow".

Speaking of comfort, some shooters who fire these bipod-mounted, full-auto spewers of bullets find that the butt plate tends to creep up on the collar bone while firing prone. This can create an uncomfortable firing position. For those of you who are complete wimps and have a low tolerance for discomfort, you can wear a PAST Recoil Shield which will pad the collar bone.

The only short-comings that the BAR suffers of are the bipod and the lack of a pistol grip for the firing hand. On one occasion, while firing from the underarm position, a wing-nut on one of the bipod legs worked loose, and the leg swung out

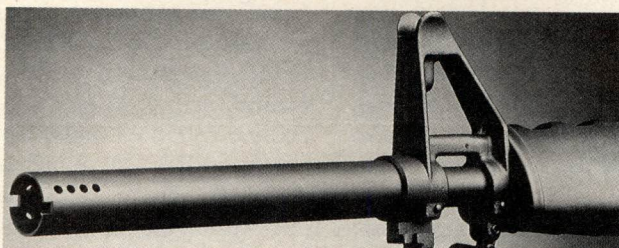


These targets were fired from the prone position on both "high" and "slow" rates of fire. The author found "high" rate more controllable, as evidenced by the targets.



Two 20 round magazines emptied at both targets on "slow" and "high" rates of fire.

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under the gun barrel (both legs were previously retracted and locked parallel under the barrel). I've also heard other people complain of this same problem in the BAR. Also, due to the trigger guard and trigger being too low in relation to the stock causing an awkward wrist and hand position is encountered while firing (especially in the prone position). A pistol grip would remedy this, and make for a more ergonomic design (just as a note: this problem was corrected by the Belgians in their FN "D" Light Machinegun, which is the Belgian version of the BAR). Aside from these two short-comings, the BAR is about as close as you can get to a perfect box-fed light machinegun.

As far as non-original BAR's go (that's what I call 'em), I have no idea how they fare in quality and function since I've never fired one, or have been able to compare one to an original. You'll find non-originals (new manufactured receivers with surplus parts) by such manufacturers as Robert Landies, Group Industries, ERMCO, I believe DLO, and probably a handful of others whom I'm unfamiliar with. If you decide to buy a BAR, I think the biggest difference that you'll find is on the price tag.

Speaking of buying, if you've read this far, and aren't sold on one of these, then I'm surprised. I'm sold - the only thing telling me "don't buy" is my check book!

My Conclusions

I found the gun more controllable on "high" rate of fire when shooting prone. It doesn't matter when firing off-hand or underarm, except that "slow" seems more comfortable to me.

As a recreational shooter and collector, I find the problems in the bipod and stock design to be petty, at worst. In my opinion, these two factors should warrant very little consideration by the recreational shooter, as they hold no real consequence.

The BAR exemplifies old world craftsmanship in machinegun construction. I feel that an original BAR is on par with the Thompson Model 1921 submachinegun in quality.

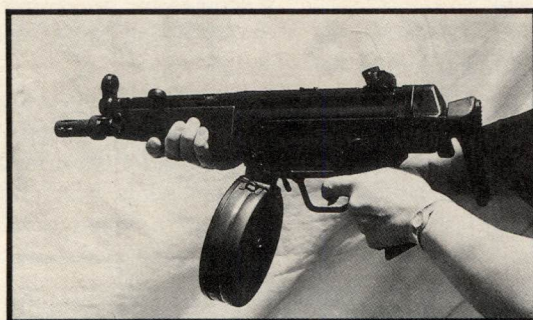
If you want portable, controllable, accurate long-range firepower (without resorting to a belt-fed); then the BAR is the way to go. Shooting the BAR 1918 A2 was a very enjoyable and memorable experience. I'm looking forward to buying one someday.

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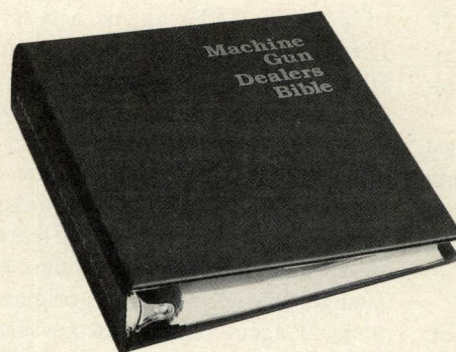
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The John Benjamin Story

Outcome of case to impact all gun owners

A landmark case is making its way to the Supreme Court, and it could decide the fate of almost every gun owner in the country.

The defendant is John Benjamin, the latest target of the BATF (Bureau of Alcohol, Tobacco and Firearms). At issue in this case is whether the BATF can harass gun owners for exercising their Second Amendment rights; and whether the BATF can ignore the Fourth Amendment to conduct searches and seizures of guns without a warrant.

"I intend to fight these people to the last drop of blood and last bullet", Benjamin said. "I will hold out to the very end and not surrender the freedom and rights that so many have given their lives to protect."

BATF PROSECUTES BENJAMIN

In 1986, John Benjamin was an FFL (Federal Firearms License) dealer living in Portland, Oregon. This is where his problems began with the BATF.

During the mid-1980's, the BATF "lost" no less than five sets of parts registration forms. Frustrated, Benjamin delivered copies of the "lost" forms to several congressmen and requested them to send the forms to BATF via congressional mail with accompanying letters of inquiry. Only then were the forms received by the BATF and the required transfers completed.

But the BATF did not let the matter drop, and after two years of congressional inquiry into BATF's blatant abuses, it became evident that revenge was its goal.

Mike Bodisco, BATF compliance officer, told Benjamin he was a pain because he wrote his congressman too much. This sentiment was seconded by Bob Ross of the U.S. attorney's office who stated the reason BATF was after Benjamin's FFL was because John had violated an unwritten rule: Benjamin had a bad attitude, and had written to his congressman to complain about questionable BATF tactics.

Sure enough, compliance audits by BATF grew increasingly more aggressive, yet no problems were cited. A registered and serialized machine gun part amazingly "disappeared" during one such audit, and Benjamin's request for copies of inspection reports were refused by BATF.

On the third day of Benjamin's 1990 BATF inspection, agents arrived with three previously typewritten violations which they ordered Benjamin to sign. The agents freely admitted that the citations had been prepared far in advance of the inspection.

Benjamin refused to sign the bogus citations and 30 days later his FFL was revoked. The charges included three counts of denying BATF agents access to his licensed premises, two counts of failure to file transfer forms known as Form 2, and one count of not engraving serial numbers deep enough on a firearm.

After listening to nine hours of testimony during a BATF administrative hearing, Benjamin was allowed less than 30 minutes to present his side of the case. In a strange turn of events, the original complainant, agent Mike Bodisco, was now the hearings officer, or judge of the proceeding.

[Our Founding Fathers realized the abuses which could occur when all three governmental powers - executive, legislative and judicial - are exercised by the same body of people. Thus, they separated these powers into three different branches of government. One problem with administrative agencies such as the BATF is that all three governmental powers are found in the same agency, and sometimes in the same person.]

The hearings officer only allowed Benjamin a brief time to examine the government witnesses. In an apparent effort to avoid perjuring themselves, the agents only response to Benjamin's questions was "I can't remember." Finally, Bodisco abruptly concluded the hearing by stating he was out of tape, he had a plane to catch and the hearing was closed.

Of the initial charges, the hearings officer ruled that only one would be dropped because of insufficient evidence and that Benjamin's FFL would remain revoked. A written copy of the administrative decision was requested by Benjamin and denied by BATF.

A review on its own merit in U.S. District Court, with Judge Helen Frye presiding, uncovered the spuriously manufactured case BATF had fabricated against Benjamin. The U.S. attorney

dropped the Form 2 allegations, citing no foundation for prosecution, and proceeded only with the denial of access charges.

The BATF agents admitted on the stand they had never asked to enter Benjamin's licensed premises on the first two occasions, and they had been denied access only to the home of Benjamin's mother and not his licensed premises on the final date of question.

But the court still did not rule in favor of Benjamin. Although Judge Frye found that Benjamin had not violated any firearms law or regulation, she still held that he had been guilty of denying the agents access to his licensed premises on the third count and upheld the revocation of Benjamin's FFL.

Judge Frye bought into the government's story that Benjamin must have envisioned his own licensed premises when the BATF agent pointed to a completely separate and distinct building home of Benjamin's mother.

One ongoing criticism of BATF is that it compiles impressive arrest records by going after law-abiding citizens who are much easier to target than hard-core criminals. Consider that every charge levied against Benjamin - even if true - would constitute nothing more than "nit-picky" charges.

But aside from the ominous fact that a government agency is harassing a law-abiding gun owner, another issue is at stake, and it has frightening consequences for every gun owner in America. That is our Fourth Amendment protection against warrantless searches and seizures.

One redeeming grace of the Gun Control Act of 1968 was that it effectively nullified warrantless searches and seizures by BATF. Previously, such searches had been condoned by a U.S. Supreme Court case which held warrantless searches legal if there existed a valid statute authorizing the search. (U.S. v. Biswell, 406 U.S. 311 [1972]).

In effect, the Biswell case told Congress they could disregard the Fourth Amendment. The Court said that if congress authorized a regulatory agency - like the BATF - to perform inspections of busi-

nesses, it could conduct such inspections without a warrant.

A loss to BATF in this instance would have the effect of reinstating the Biswell case and nullifying the Fourth Amendment's protections against warrantless searches and seizures.

IS GUN CONFISCATION THE NEXT STEP?

This could spell trouble for every gun owner in America. Consider that the BATF is illegally compiling a gun registration list - a project known as "Operation Forward Trace."

(The BATF is currently being sued in court over this. It is accused of visiting gun dealer's stores to copy the 4473 forms that gun owners fill out whenever they buy a gun.)

Officer M.B. Valent, a police officer writing in the June 1992 issue of *Guns & Ammo*, noted how easily the BATF can determine who is evading the so-called "assault weapons" registration laws passed in states like California. Valent says BATF agents can simply compare the "Operation Forward Trace" list to the state registration forms which must be submitted by law.

Those not appearing on the official state registration list will be easily spotted as registration dodgers. These lists, notes

Valent, will give the authorities "quick and easy arrest statistics" to prop up their bargaining position at budget time. After all, he says, "These people are in violation of the law!"

(Many ordinary hunting and target firearms are being called "assault weapons" by the media and by legislators. Thus, gun owners should not be surprised if many of their semi-automatic firearms find their way on to a state or federal registration list in the future.)

(A registration law will leave gun owners with a difficult choice. If they comply, they run the risk of having their registered guns banned - or confiscated - as happened in New York City just last year. But if they do not comply, they risk possible arrest, as the BATF may very well acquire their name through "Operation Forward Trace." Neither scenario is farfetched. Officer Valent writes that "The law enforcement establishment is poised to begin confiscation of firearms on a scale that even the most strident anti-gunner could only dream of.")

Because a precedent could be established enabling BATF and other authorities to conduct warrantless searches and seizures, the John Benjamin case is extremely important to gun owners

nationwide.

GOF CONTINUES TO SUPPORT BENJAMIN

Benjamin's attorney, Nick Albrecht, has done an outstanding job in the case. He has taken a high exposure position in fighting the BATF every step of the way.

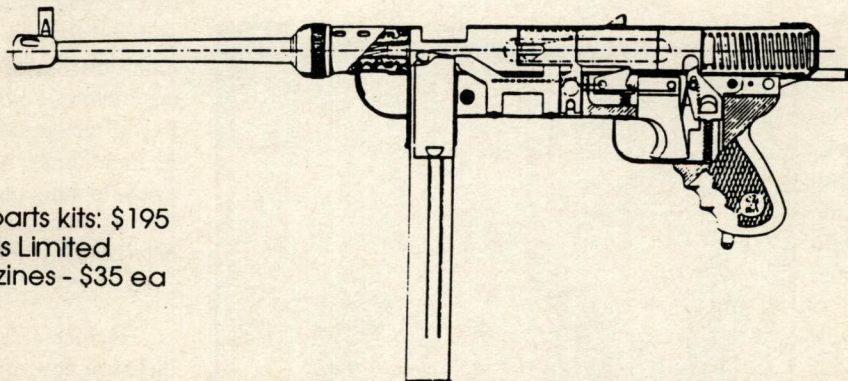
Benjamin has vowed to fight BATF to the Supreme Court if necessary because of the serious ramifications his case encompasses. Everyone who enjoys the freedoms our Constitution guarantees, especially under the Second and Fourth Amendments, should be aware of the dangers presented by these BATF abuses.

Two trials and an appeal has financially ravaged Benjamin. Gun Owners Foundation wishes to support Mr. John Benjamin in his efforts against BATF, and is accepting much deserved donations on his behalf. Tax-deductible donations to Benjamin's defense fund should be sent to Gun Owners Foundation at 8001 Forbes Place, Suite 102, Springfield, Virginia 22151. Please write "Benjamin" on your memo to properly designate your contribution.

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T - R - E - X - P - O

Makers of newly manufactured full-auto weapons and accessories were eagerly displaying their wares at the recent Tactical Response Association's Tactical Response Equipment Exposition (Trexpo) held July 29-31 in Washington, D.C.. Attendance, which was restricted to police, military and tactical response personnel, included representatives from several foreign governments, all of whom came to view the displayed gear intended for "legal forced entry".

by ROBERT M. HAUSMAN



M60 in 7.62 loaded with Simunition's Lead Free Frangible Ammunition was fired nearly point blank at steel plate to demonstrate there is no splashback or ricochet.

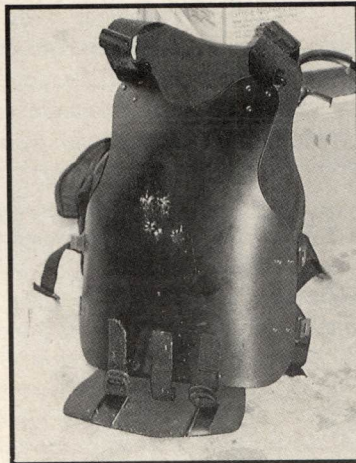
SIMUNITION

A demonstration of training ammunition in full auto weapons was provided by Kenneth R. Murray of the Armiger Police Training Institute located in Arlington, VA. Of the three main types of ammunition demonstrated, subgunners will have the greatest interest in the FX Marking Cartridges as they can now throw away their paint ball guns and use their "real" automatic weapons to engage each other in live fire exercises.

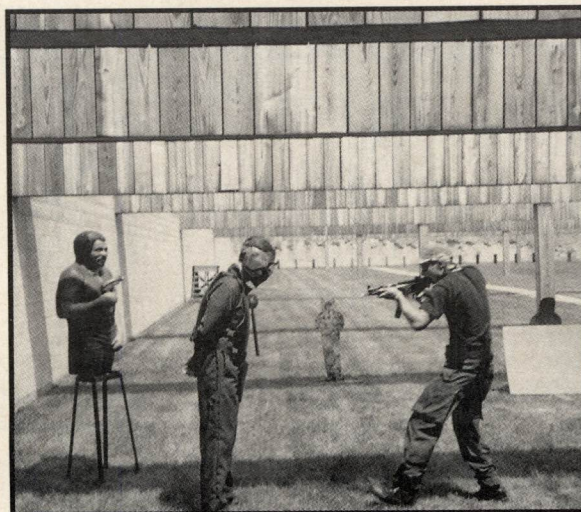
Produced by Simunition Technologies of Ontario, Canada, FX Marking Cartridges produce enough pain when they hit to make the training scenarios realistic. Users are advised to wear coveralls along with eye and face protection. Available in .38 Special/.357 Magnum and 9mm, FX

ammo has an operational range of 10 meters and a maximum range of 50 yards.

Weapons require the installation of conversion kits before using FX fodder. In the case of the



Close-up of the plastic chest plate showing hits from Simunition's FX Marking Cartridges.



Showing good shooting form, Murray lets loose a burst of FX Marking Cartridges into Robinson's chest.

HK MP5, a barrel sleeve and new locking piece are required. The Colt 9mm SMG requires a barrel sleeve while the UZI needs a new barrel, bolt and magazine. The Steyr AUG 9mm needs a new barrel and bolt. All conversion kits for the guns above can be supplied by Armiger for \$125 - \$150. Calico is manufacturing their own FX conversion kit consisting of a new bolt and small barrel insert for their own guns.

While regular service ammunition can be inserted into magazines the barrel sleeve in the conversion kits will not allow such ammo to chamber. Per round cost of FX is .30 to .35 cents depending on the quantity purchased.

Other types of Simunition demonstrated include CQB Safety Slugs which allow live fire against targets without the need for a ballistic facility. Maintaining service ammunition accuracy without the ability to penetrate 3/4" plywood within its recommended operational range of 7-10 meters. The maximum range of CQB ammo (which is available in 9mm) is 100 yards. Cost per round is a .50 cents.

Lead Free Frangible ammunition disintegrates into a fine powder upon impact eliminating splashback and ricochet concerns. To demonstrate this, Murray fired a M60 in 7.62mm at a steel plate set less than 12 inches from the muzzle. Cost of this ammo is .30 - .35 cents per round.

Murray, who through the Armiger Institute does training support for Simunition, reports that while no conversion kits are required for use of CQB or Lead Free ammunition in most full-auto weapons, he has encountered some failures to feed using the Lead Free ammo in the HK Models 53 and 33 in 5.56mm. A conversion kit containing a new locking piece and a "frangible ammo device" which replaces the flash hider has been developed for these weapons systems.

HK

Heckler & Koch, Inc. (HK) will give birth to a new member of its MP5 family of submachine guns later this year. To be named the MP5-10, designating its chambering in the hard hitting 10mm cartridge. In addition, HK will be offering 2-shot burst capability in all of the MP5 variants by the end of the year, according to HK sales representative Ben Bennington.

Machine Gun News - November 1992

ITHACA

Ithaca Acquisition Corp., successors to the former Ithaca Gun Co., advises of the continued availability of the "Slam Fire" trigger system in the Ithaca Model 87 pump gun intended for sales to police and military agencies only. This trigger system allows a round to be fired each time the slide handle is pumped forward as long as continuous pressure is maintained on the trigger.

Ithaca Model 37 pump shotguns manufactured prior to about 1975 (of which approximately 1 1/2 million were made) have a projection or "tooth" on the side of the hammer which allows the same type of slam firing. Shotguns bearing serial numbers in the 371,450,000 range and higher do not have slam fire capability, says Les Hovencamp, Ithaca's service manager.

Conceivably, a slam fire shotgun could fall within the definition of state and local laws regulating possession of full-auto weapons. These laws usually define a "machine gun" as a weapon in which more than one round can be discharged from a single pull of the trigger. Though the author has never heard of the prosecution of such a case. Ithaca says it no longer offers its slam fire models to the general public due to safety and product liability concerns.

COBRA GUN CO.

Cobra Gun Co. of Telford, U.K. showed its' new High Safety Ammunition which delivers seven semi-stabilized steel flechettes that will penetrate woven types of body armors but not shoot through the target. These AP rounds are currently available in .38 Special, .357 Magnum and 9mm. A U.S. distributor is sought for police and military sales.

MGN

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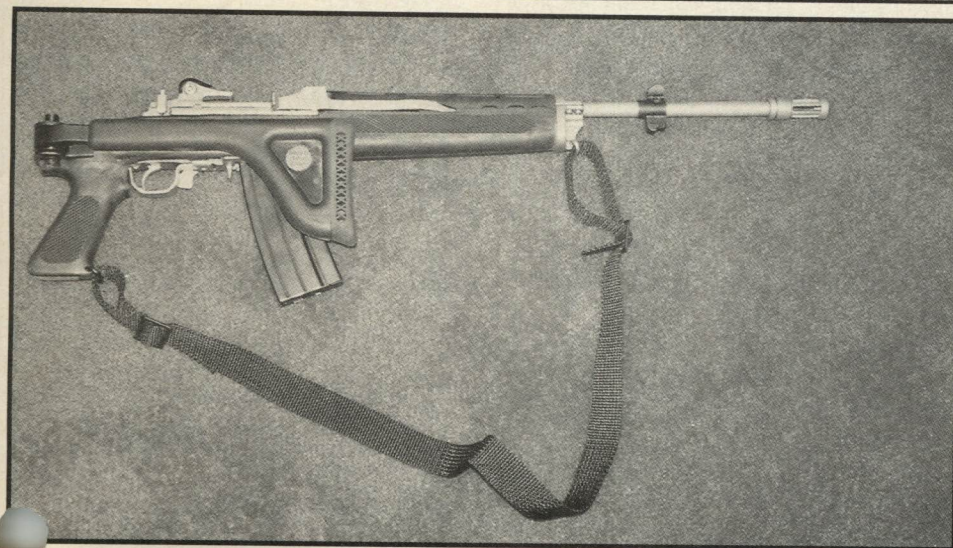
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Tinkering With Thompsons

by JIM KLODZINSKI of GUNMACHINES
Trigger Housing Parts: Cleaning and a "Trigger Job"

In the last article the method of taking out the trigger parts was explained so that a thorough cleaning of the trigger housing parts could be done. To clean the parts I recommend that you soak them in Hoppe's #9 or other cleaning solvent. However, before you do so, remove the trigger spring from the trigger, the disconnect spring from the trigger, and the disconnect spring from the trigger. Also, remove the sear spring from the sear and the sear lever spring from the sear lever. Along with the internal parts, also soak the safety and the rocker pivot (selector) and the pivot plate.

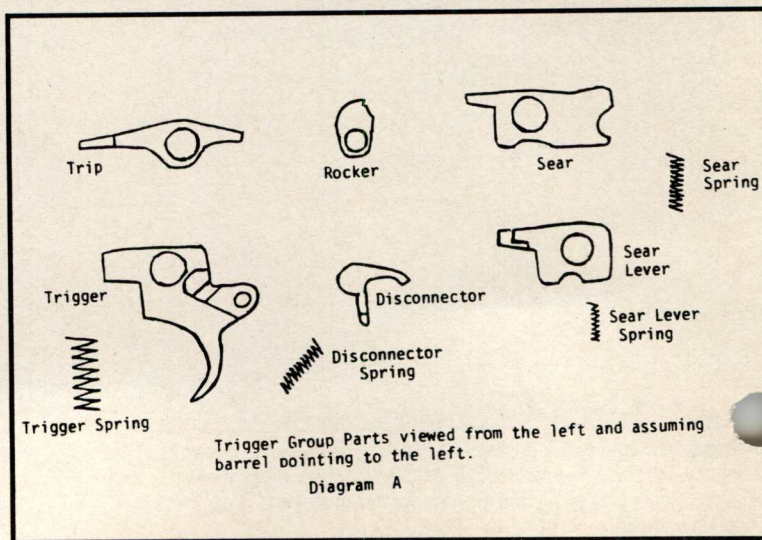
While the trigger housing parts and springs are soaking, thoroughly douse the inside of the trigger housing well with solvent and clean it out. Often, residue cakes along the bottom border of the well. I remove this with a sharp pointed tool. Actually, I use a dentist tool made for cleaning teeth and it works very well for removing caked residue in this area as well as other areas of the Thompson. Once the inside of the trigger housing well is cleaned, remove the other parts from the solvent bath.

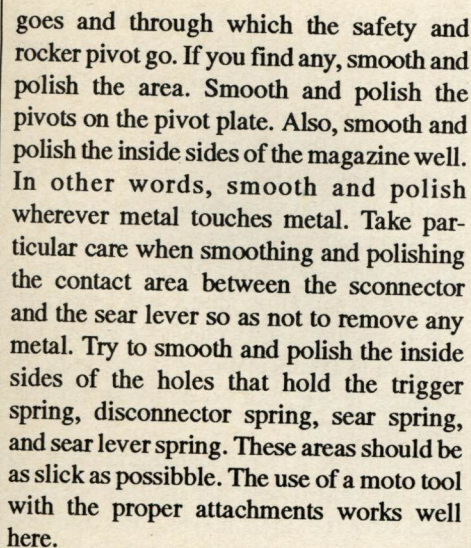
Clean out the holes in the trigger that hold the trigger spring and disconnect spring. Do the same for the hole in the sear lever that holds the sear spring and the hole in the sear that holds the sear spring. Once all of the parts and the well are clean, reassemble the parts in the trigger housing,

but before putting in the pivot plate, lightly lubricate the pivots on the pivot plate; and before inserting the rocker pivot and safety, lightly oil the pivots of these two parts. This is all I do in terms of lubricating the internal trigger housing parts, although you may wish to add a drop or two of lubricant to the inside holes that accommodate the trigger spring, disconnect spring, sear lever spring and sear spring before assembling the internal trigger housing parts.

Over the last two years I have been occasionally asked by some of my Gunmachines customers as to what can be done to lighten the trigger pull on the TSM. Some have told me that they have snipped a coil from the trigger spring or the sear spring or removed metal from the top rear of the sear. I certainly do not recommend these methods. Nevertheless, something can be done.

Before reassembly of the trigger housing parts after they have been thoroughly cleaned, inspect the parts for burrs. Pay particular attention to any holes in which any spring sits, also any lateral holes through which a pivot from the pivot plate





Additional areas to smooth and polish: the inside and outside sides of the trip; the sides of the trigger, the side of the trigger that touches the disconnect; the side of the disconnect that touches the trigger; the sides of the sear lever; the inside sides of the sear that touches the sides of the sear lever; the outer sides of the sear; the outer sides of any springs.

After finishing all of the smoothing and polishing, thoroughly clean the parts again and reassemble the parts in the trigger housing. Lubricate the parts as previously discussed. Upon firing your TSMG after completing the foregoing work,

you will feel a noticeable improvement in the trigger pull. I do not recommend doing any more than I have described here. Removal of metal from the top rear of the sear, or cutting off coils from the springs could lead to functioning problems.

For those of you who own a 1927A1 semi-auto TSMG, the cleaning, smoothing, and polishing procedures that I have outlined applied to the trigger housing and trigger parts where applicable, will go a long way to resolve some malfunction and reliability problems with this semi-auto model, as well as providing for a better trigger pull. Next month: A Commentary on TSMG Actuators.

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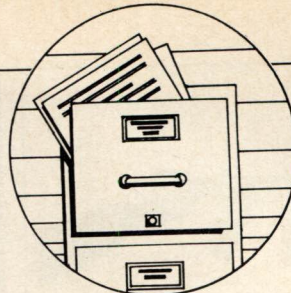
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The Forms

by DAN SHEA



This will probably be the last issue of MGN that you see before the election. I've been discussing the impact of November on our business, and it really doesn't seem to have any immediate regulatory effects. I've talked with dealers, manufacturers, owners, BATF, etc. No one is anticipating any changes right now. If Clinton gets elected, almost all feel there will be a lot of restrictions on firearms. If Bush gets re-elected, people are wondering if he will turn coat on us again - perhaps the idiotic "large capacity magazine" ban, maybe more "assault rifle" silliness. If Bush is in, we should lobby him until he even dreams about us.

Clinton is my nightmare. Be advised, people, this man will be the rubber stamp the anti-gun crowd needs to disarm us. Under the guise of "crime control", "gang control" or "drug control", Clinton would oversee the disarming of the American public. BATF would be escalated into a full tilt "Untouchables", and the gun raids would echo through American cities and towns. Some would have you believe that they are now, but that is a few over-zealous, isolated pockets of the bureaucracy. Imagine if the Commander in Chief was positively impressed by Gestapo type raids on previously model citizens who have been made into criminals by new gun bans. California and New Jersey are fighting the beginnings of that battle right now. Those of us in the Free Zones get an occasional whiff of what the liberals have in mind for us, but we have a hard time believing that it can happen here. It can.

MGN will be here to advise you on the different changes in laws either way. Hopefully we will be a spearhead in freeing up the citizens' ability to own NFA firearms. We have had an impact that is quite impressive. Every little change that allows more freedom is a victory. Those who have been with us for a while are aware of the new transfer and ownership freedoms that have come from MGN's constant questioning of procedures at BATF. We try not to offend, but try to find the full extent of the regulations that Congress hamstrung us with. We have a good rapport with NFA Branch. I fear that this might become adversarial if

Clinton gets elected. The interests that he represents do not believe the government is there to serve the people, but to rule them, and mold them into the socialists ideal subjects. Sheep. As our friend Kent Lomont says - "Keep your powder dry".

I am making sure that I own the firearms that I want, in the event that more restrictive laws are coming. Ditto for ammunition and accessories. I would suggest that prudent people think about things like "What happens if the 'Clinton Regime' decides that we have enough Class 3 dealers", and limits future dealers to those who already are, getting rid of Class 3's by attrition. My thought is; if you want to be one, maybe you should pay the tax now.

Scary stuff.

Driving on, here's a quote from the regulations regarding continuation of business if you have not received a new license or tax stamp yet. From 27-CFR 178.94, ATF Ruling 75-27:

"In accordance with section 558, a firearms licensee who timely applies for renewal of his license is authorized to continue his firearms operation as authorized by his license until his renewal application is finally acted upon.

Held, a transferor licensee may continue to make firearms and ammunition shipments to a licensee who has timely applied for renewal of his license but has not had his application acted upon within 45 days after the expiration of his license."

There are some reporting requirements, see page 72 of your "Red Book", The Guide to Federal Firearms Regulations, 1988-89.

Q I've had a subscription to MGN for two years now. I read it cover to cover when it arrives, then anxiously wait for the next issue.

So far I don't own a machine gun. I purchased an Auto Ordnance Thompson with the intention of converting it to full auto. However, being a procrastinator of the first order, May 19, 1986 got me. Now I'm stuck with a boring semi-auto. Oh well, someday soon. I do own two Ciener suppressed weapons.

Anyway, to the point. For a couple of years I've wanted to build a Gatling gun.

I've assembled some parts here and there, got the barrels, have done no work on the receiver. Saw an ad in the Shotgun News for plans to build a .22 cal Gatling, which is exactly what I've started.

Not wanting to be in violation of any Federal laws, I visited our local ATF office to find out what, if anything, was necessary as far as paperwork goes. The gentleman I spoke with gave me a Form 1 and said I needed to submit it, along with fingerprint cards, pictures, and a check for \$200. I told him I didn't think all that was necessary. He insisted it was, but he didn't sound convinced himself.

I wrote to ATF in Washington about 4 or 5 months ago. Looks like they are not going to answer. I thought maybe you could help. In the letter to Washington I picked the instruction on the back of the Form 1 apart, arguing in my favor of course. Without going through all that with you here, what's the story? I had hoped the Washington office would send me a response in my favor because I planned on keeping the letter in case of future hassles.

The barrels will be 12 or 13 inches, overall length will be roughly 21 to 22 inches. It will have 10 barrels.

I'm very serious about finishing this project. And if necessary will go through the Form 1, but I'm hoping I don't have to. I'll take your word on this one, as you seem more knowledgeable than anyone else I know.

Any information or advice or both would be appreciated greatly. Rock and Roll!

John W.

A Neat gun, that .22 Gatling. There are a lot of physical problems getting the rimfire to feed properly, but that isn't the issue here. The BATF agent was trying to say that you were making a machine gun. You could not file a Form 1 to manufacture a machine gun as an individual. Gatling guns are not classified as machine guns, as they do not fire more than one round for each motion of the trigger. If you made it electric, it would be a machine gun, but as a crank fire, it is not. (Even that is nebulous, in 1958 the US court system ruled that Mini Guns are not machine guns. BATF treats them as such,

and I would recommend that until some court establishes an ironclad precedent, all Miniguns be registered.) Your Gatling Gun would be a firearm, plain and simple. The barrel length might be a problem, a case could be made that it is a short barreled rifle, except that the definition of a short barreled rifle includes "intended to be fired from the shoulder". If the Gatling gun you are making can conceivably be hand held, it's a pistol. If you get wild and put a shoulder stock on it, you will need the Form 1 to make a short barreled rifle, or lengthen the barrels to 16+", and overall length to 26+". There is no registration requirement for you as a citizen to make this Title I firearm for yourself. You can even sell it. If you make a few for sale, you will need to get a Type 07 manufacturer's license, and pay Federal Excise Tax on these.

My personal fantasy is a 22 LR Mini Gun, fired from the hip, 8000 rounds per minute, hopper fed from a back pack, so my A-gunners just follow me around dumping those little boxes of 22 into it. Maybe suppressed. I suppose it could be done with a hand crank.

Q After reading MGN for two years, I've finally decided to take the plunge into the Class 3 world. Thanks for your informative magazine as it has been invaluable in helping me make some decisions on what to purchase. I'm a Class 1 FFL dealer and have decided to order items directly from Class 3 dealers. Having a couple of Olympic Arms AR-15's, it was probably apparent that my first Class 3 choice would be an Olympic M-16.

A few questions for the RKI from the NRK (Not Reasonably Knowledgeable).

1. I've completed my Form 4 for a purchase of the stripped Olympic Arms M-16 lower receiver from P.A.W.S. The Form 4 does not state the specific barrel/overall length, is this important??? I plan to have several uppers with different barrel length/calibers for use with this lower.

2. Can I purchase and install a short barreled (11.5 in.) upper for this registered lower without any additional paperwork?

3. If I ever decide to sell this registered item, would I have to sell it as a stripped receiver, or could I sell it as a complete firearms?

Steve in Georgia

A I'll try and help -

1- The machine gun you have purchased is a "receiver only", and has never been manufactured into a firearm. This means there has been no Federal Excise Tax (FET) paid on this unit. If a manufacturer completes the gun, then sells it, 11%

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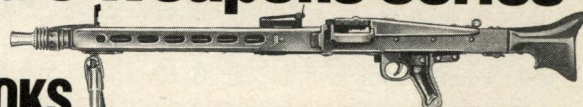
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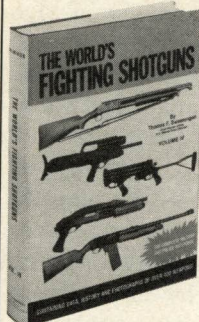
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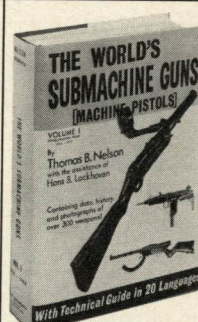
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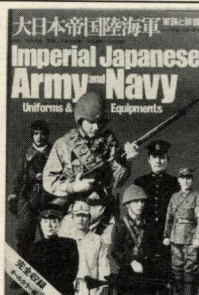
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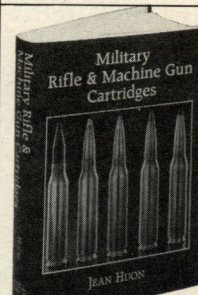


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FET is owed when he sells it. If you complete it, none is owed. If you sell it, none is owed. If you complete enough of them to be considered "in the business", which could be as few as two or three, you need a Type 07 FFL! To your question about barrel length, overall length, etc, it is NFA policy that you are supposed to send them a photocopy of the form showing your ownership, and a letter telling them what the new dimensions or calibers are.

2- Since the receiver is a machine gun, the barrel length is immaterial. You can interchange to your heart's content. It is not necessary to notify BATF every time you switch barrels, either. Don't "accidentally" install the short barrel on a semi-auto AR-15, unless it was registered as a short barreled rifle. That is a common mistake I've seen. People think owning an M-16 makes their other concoctions legal- no way.

3- You may sell it as a receiver or a complete M-16. Make sure that the transfer form reflects the present dimensions of the firearm. See the note about FET above.

Q I just read The Forms in the July 92 issue and would like to make mention of a possibility in reference to those people in Dade County Florida.

The court can issue a *writ of mandamus* that commands that a specific thing be done. If the courts in Dade County Florida aren't as corrupt as the police departments, this maybe the answer to "unsigned" Form 4's.

Don S.

A Goodness gracious, Don, have we got an attitude problem here? I'll leave this one to the legal eagles out there - please advise us if this is a functional alternative. I'm not sure that a court can order a signature as such, perhaps in states that have a law that government officials may not present an obstacle to firearms ownership.

Q In reading the July issue of Forms, the question of "law enforcement signatures" was raised for people here in Florida. Enclosed is a copy of, and the response to, a letter I wrote BATF in the fall of 1991. Bottom line, BATF didn't like my idea (as it takes too much power from government), and the reasoning they used was faulty since: (1) firearms laws are uniform throughout the State of Florida; no municipalities or counties may create gun control laws. (2) No one has a crystal ball to figure out what is inside someone else mind, and a concerned/educated dealer could get "for other than lawful purposes" information from the local sheriff, if any

existed. Please note also, in BATF's letter they state a Judge may sign. This may help some individuals and dealers. That's one for our side.

I would like to know more about Steele vs NFA Branch (S.D. Fla. Dec 6, 1985) so if any of your legal friends know, could you please pass it along?

Also, since in Florida municipalities are prohibited from creating gun control laws, refusing a signature to a qualified individual is a defacto gun control law. Another legal avenue to try.

Andrew

A Andrew is a frequent writer to MGN, and the input is much appreciated. I appeal to the readers to send us a copy of the Steele case, which is one of the few cases I know of about suing for a law enforcement signature. We lost, as I have heard it. I'm not interested in losing any more, so Steele should be worth studying.

Q5- This will be a short one. Are there any NFA rules, forms or restrictions, that would apply to converting a Norinco Thumbhole Stock AK semi from a rifle to a pistol by shortening the barrel and removing the thumbhole stock and adding a pistol grip?

I'm a new subscriber to MGN and really appreciate your columns. Thanks loads!
G.F.

A Yes. It's illegal. The thumbhole stock and other modifications were done by manufacturers and importers to allow their firearms to come into the US after the 1989 "Assault Weapon" import ban. These were outward appearance changes, and most of the firearms still accept the original buttstocks and pistol grips. It's illegal to take one of these new imports and convert it to the old style. Who would know? Most law enforcement agents haven't a clue, and the BATF agents that I have questioned were not aware of what they were looking at unless they had special schooling in it. Don't count them out, though.

Operation "Forward Trace", and Operation "Trigger Lock" are two BATF operations that are supposed to stop drug dealers and gang wars. So far the only uses I've heard these operations put to, are tracing the Steyr AUGs from the importer to the police officer buying them, and seeing if he sold it to the public, and using "compliance checks" to find the owners of "assault weapons" that were supposed to be registered in California, and turn those names to the California police. NRA is all over the Feds in California for trying that one. Drug dealers my A—. There are some Nazi's in the bureaucracy. What would

make you think that if there were enough agents in BATF, they wouldn't use "Forward Trace" to find the AK's, HK's, SAR's, etc. that were post-89 thumbholes, and now have original buttstocks and bayonet lugs. You'd almost expect that the city papers' headlines read; "Hundreds killed in drive-by bayonetting!" "Weapons experts agree: dreaded full buttstock increases accuracy on thumbhole guns". Maybe all of you criminals who illegally installed those folding stocks on SKS's will be brought to justice.

Q I am a new subscriber to MGN and am trying to get started with a full-auto set-up.

I recently purchased a Thompson M1A1 submachine gun kit that includes all parts except the receiver. I have also purchased from a separate vendor an 80% machined receiver made from 1018 hardened steel. The advertisement from the vendor that I purchased the receiver from states that the machining of the receiver can be completed by a Class 2 gunsmith and combined with the Thompson kit to make a fully operational full-auto weapon. After talking to some Class 3 dealers at a show or two, I was told that this is not legal to do.

My questions are: 1. Who is right, the receiver vendor or the Class 3 dealers? 2. How can I legally have the milling of the receiver finished and combined with M1A1 kit and end up with a full-auto set-up?

Any information you can give will be greatly appreciated.

John B

A A Class 2 manufacturer can manufacture the Thompson machine gun. Unfortunately, you can't have it, because it is a post-86 machine gun. Get the back issues and you'll understand. There is no way for you to get a legal machine gun for yourself out of what you have. You could make an illegal one, and the fine is \$10,000, plus 10 years in jail. Call a reputable Class 3 dealer, and get a registered, transferable pre-1986 Thompson gun.

Q Are there any ATF regulations on turning a recent AKS Sporter (thumbhole stock) into a pistol? I've written about this before but didn't get a response.

A It is illegal to change a thumbhole gun into any of the banned configurations. So, yes, it's legal to make the pistol. Except, since it was made from a rifle, it would become a "short barreled rifle", which is an NFA Title II firearm, and must be registered. \$200 tax, fingerprints, photographs, etc. Unless, you obtain a receiver that has never been assembled into

a rifle, like the B-West receivers that were floating around. Then you could make your pistol. Watch the definitions of the different firearms. You should probably check with NFA Technology branch before building it. 927-7910.

Q Love the Machine Gun Dealers Bible.

Brings up a concern. In the chapter on trouble, you discuss that possession of M-16 parts would be illegal if one also owns an AR-15.

I recently bought an AR-15. Internal inspection shows that it contains the bolt, trigger and selector from an M-16. The disconnect and hammer are AR-15. I do not own an auto sear.

Am I still in violation? Does possession of any of these parts constitute a violation, or does one need to possess all of them?

A Yes, you are in violation. Lose the parts, fast. Install the correct AR-15 semi-auto parts in the gun, and **DO NOT HAVE POSSESSION OF THOSE M-16 PARTS!** I put that comparison drawing in the MGDB so that people would understand that having machine gun parts in a semi-auto AR-15 is treated as a Felony. This won't make the gun fire full auto, and it is a common mistake, but Technology Branch has spoken. Before buying a semi-auto AR-15, always

inspect it for those parts. Familiarize yourself with the drawings. The same goes for the M-1, M-2 carbine parts drawing. Many gun shops I walk into, then look in the AR-15's and M-1's, I find violations. Imagine if you had a knowledgeable BATF agent look at the guns. One who wanted to bust your chops. More gun dealers go down to these violations than anyone admits.

Q I have read my copy of MGDB from front to back and feel that it is an invaluable reference for anyone interested in MG's. Thanks again.

The question is, if I as an individual, bought a registered de-wat on a tax exempt Form 5, can I do the "re-activating" with a parts kit myself or do they consider "re-activation" as "manufacturing"? If they don't what form do I use to pay the \$200 tax fee? Form 1's are for manufacturing and Form 2's I can't file. Does this mean I would have to transfer it to a Class 2 to do the work and then back to me on a tax paid Form 4?

What form does a Class 3 dealer use to pay the \$200 tax when re-activating a dewat? (ref, pg 12-90 MGDB)

Thanks,

Tom D.

A The dewat can be re-activated by an individual or Class 3 dealer by filing a Form

1 to re-activate it, and paying the \$200 making tax. A Class 2 manufacturer can re-activate it by filing a Form 2, and filling in "Re-activated" in the upper right corner of the form. There is no tax for a Class 2 to do this, and he may then Form 3 it to another Special Occupational Taxpayer, tax-exempt. Thus, no \$200 tax. To this point in time, re-activating a dewat does not appear to incur any Federal Excise Tax liabilities. They are trying to collect for engraving on an existing firearm that has already had it's FET paid by the original manufacturer, so who the hell knows what tax is owed on. I don't. BATF doesn't appear to. Is Value Added taxed? Isn't FET on "Sporting Firearms"? We can't import our fun guns because we're told there is no "sporting purpose". Try, try, not to get me started on this one. It gets hopeless real fast. I pay FET on anything that remotely resembles manufacturing, and plan to file for a refund when it gets sorted out. Some of the long time manufacturers are being assessed at 11% plus penalties for every machine gun they manufactured since starting business. They're fighting and hopefully will win, but as Father Guido Sarducci says, "Dose Quarters, dey add up real fast, dontchathink?"

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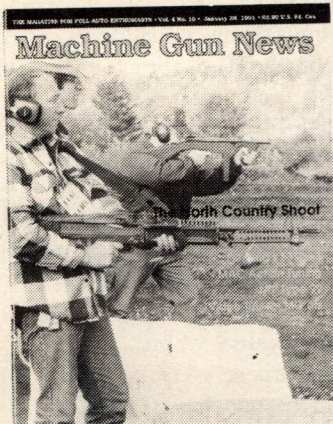
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Q Last March, I wrote to BATF asking for a clarification of what I perceived as a legitimate problem that I have with an Auto-Ordnance (West Hurley) M-1 Thompson subgun. After more than 4 1/2 months, I have yet to receive an answer. In desperation I'm turning to you.

Do I have a problem since the gun is actually an M1A1 while my ATF Form 4 says that I have a M-1? If this is a problem, how do I go about correcting it since I can't get BATF to respond to my correspondence? Is what I'm experiencing an anomaly or do they really ignore all taxpayer's letters?

I appreciate your help. If you use this in MGN, please use only my initials. Your articles in MGN are first rate! Thanks.

John

A I don't think it's a case of ignoring you. It's more of a case of having too much to do. Your letter is probably sitting on a desk somewhere waiting for someone to have time to answer it, and, since it's not a big deal, it gets de-prioritized. The difference between an M-1 and an M-1A1 Thompson is pretty much irrelevant to the government right now. If it is important to you, send a letter to NFA Branch with a copy of the transfer paper to you, and explain the model discrepancy. They might correct it in the computer. Any transfer out from you should use the correct model. As an aside, if you have paperwork for an M-11, and the actual gun is an M-60, you do have a problem. Changing model numbers in this case is going to lose you a gun, and so is the first compliance inspection that there is a reasonably knowledgeable agent (an RKA? sorry-) involved in. That is what part of the Stemple M-60 controversy has been. The paper says "76/45" and the gun is an M-60. That is another story.

Q I love the *Machine Gun Dealers Bible*. I believe it is as much a part of my collection as any firearm I own. Anyway, the guys and I were doing our usual "after a shoot rap", and someone asked what happens if you've owned full auto weapons and you are later convicted of a crime? Do the boys at BATF come knocking and grabbing? Or is there a more civil method used to part one from his belongings?

C. K.

A Hopefully you won't find this out firsthand. If it is for a violent crime, or you are perceived as a threat to society, they will take your guns and disposition will be done from custody. If you are in this position, make sure your lawyer is all over this, so a \$6000 Thompson doesn't transfer to Of-

ficer Krupky for fifty bucks. If you are still alive, NFA is going to want your signature for any transfers. If the crime is a "white collar" non-threatening type deal, paperwork felony or some such, you will be given about 90 days to get your affairs in order before there is any confiscation. In these cases, you are allowed to stay in business while you are on appeal.

You guys would be amazed at how many dealers are in that particular situation. They can continue doing business until they have exhausted appeals. Usually they go out of business due to the legal expenses. I've heard it said that, "That was BATF's plan to begin with". Can only get them with a minor paperwork charge, so they spend 4 or 500,000 dollars of the taxpayers money in a protracted court battle to bankrupt the dealer. Usually the cases involve minor infractions, or small amounts of tax owed.

Q My question may have been asked and answered in a previous issue of MGN, but if not I am amazed, as to me it is the most important one regarding NFA weapons, after of course, the question of outright legalization of them.

That question is if and when will there be another amnesty similar to the one of 1968.

I have been interested in firearms about 30 years now. My work allowed me to travel throughout the country and meet thousands of people. Naturally, due to my hobby, the conversation will turn to guns, full-auto in particular. I am amazed at how many people will tell me that their uncle brought back an MP40 in his duffel bag after WWII, or their nephew brought back an AK-47 from Vietnam, or the person themselves will rummage through a closet and bring out a Thompson they bought at a yard sale.

From conversations such as these, I would estimate that for every registered gun there are perhaps 5 to 10 unregistered ones. Now, looking at it from a logical viewpoint (which I understand the government does not have a lot of) wouldn't it make sense to enact another amnesty? The revenue generated from the tax alone would be tremendous. It wouldn't be introducing new guns into the country since they are already here, and they would have their thumb on that many more gun owners.

Of course, not everyone would register their guns, but I think the majority of people I talk to are law abiding people who would gladly dispense with the paranoia that goes with having an item that could land them in jail. Your insight on this ques-

tion would be appreciated.

A Not a chance. If I wanted to control all of the guns, I would call an amnesty, but the liberals aren't that smart. Your 10:1 figure is about what the government estimate is, the way. Our government tends to use the "Ostrich" method of dealing with things. Witness the deficit spending practices. If you stick your head in the sand, what you can't see can't hurt you. If I was a gun control person, I'd want those un-registered machine guns identified ASAP. Perhaps the thought is to get rid of them by attrition - the fifty year plan we hear rumors of.

Q For some reason this memo was attached to an MG transfer to another dealer that I just received back from ATF:

**REMINDER TO LAW
ENFORCEMENT AGENCIES**

The attached ATF Form 5 approves the transfer and registration to your department of destructive devices known as stun grenades.

These devices are registered by serial number with BATF under the National Firearms Act. Please notify ATF upon the use of these devices so that the National Firearms Registration and Transfer Record (NFRTR) can be updated to show their expenditure. You should mail any notification use of the device to:

*Bureau of Alcohol, Tobacco, & Firearms
National Firearms Act Branch
650 Massachusetts Avenue
Washington, DC 20226*

Thank you for your cooperation. If you have questions, please call (202) 343-0332.

A I've made the comment before that the massive increase in Destructive Devices that appears in the statistics each year lately is due to the Stun Grenades used as distraction devices that are popular with law enforcement now. Some of these are reloadable metal holders that the inserts are registered for. NFA Branch has all of these devices in the registry, and each time one is used, it must be removed. The note you mistakenly received is the routine insert for a Stun grenade transfer. It is hard for the BATF to get the police departments out there to comply, and they remind them every chance they get.

Questions to:

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MACHINE GUNS AND SUPPRESSORS TO CLASS III DEALERS AND QUALIFIED INDIVIDUALS

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Archive Photo of the Month

From the Robert Bruce Collection



(Location and date unknown). Possibly Aberdeen Proving Ground, circa 1941. This grossly overloaded jeep sports a 37mm antitank gun, and M1917A1 .30 cal. Browning, and a "1936" 1st pattern M1 rifle. Empty cases dropping off the top of the dashboard show the Browning actually firing as the photo was taken. This is one of many well-intentioned but utterly impractical experiments with the long suffering jeep conducted in the early years of WWII. © 1992 Robert Bruce Photography Credit: US Army signal corps

Editor's Note: Prints of this and many other historical auto weapons action and technical photos are available for publication by special arrangement with ROBERT BRUCE PHOTOGRAPHY, PO Box 482M, Sandston, VA 23150. Publishers send SASE and information on intended use. (Robert also buys foreign-language manuals, sales brochures, etc. for auto weapons from 1900 to 1970)

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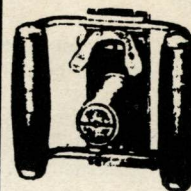


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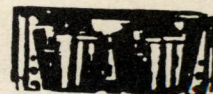
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Classified Advertising

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Colorado, Law Enforcement and Residents, Dealer will handle your Class III needs and process transfers for qualified residents. John: days(digital pager) 303-230-7614. eves 303-674-1760. (xFeb93)

MK 760/S&W76 Parts: 36rd mags \$20., Bolt return springs \$15., Extractor sets \$12., Ejector \$10. Inglis Hi-power stock \$100. Lugar Stock \$50. UZI Bolt & Barrel \$100. Sten Stock "T" type \$30. AK47 drum, 75rd 7.62 cal \$70. Reising mag \$20. Dave 907-373-5798 (xNov)

Stan's Gunsmithing - Class 2 manufacturer - all types of machine gun and Class 3 repair and fine gunsmithing. Over 28 years experience on high quality firearms, 12 years of machine guns. Hot blueing, all types of finishes, parts made - complete machine shop. Call and I'll see if I can help with your problems. Transfer to N.H. Residents. Stan Andrews (603) 746-4387.(xMay93)

Exotic Ammo. Looking for 40mm ammo in flash bang, illuminator parachute except white, cluster rounds all colors, ammo wanted is 30.06, .308, 5.56, 8mm etc. Please send pictures and photo to Brian R. Busch, Sr. 328 E.1200 N., Chesterton, IN 46304. (xFeb93)

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Thompson SMG's: Call for info. or send business size SASE for current list; F.D.S., PO Box 292156, Lewisville, TX 75029-2156. 214-539-8096. All NFA/BATF rules apply. (xSept93)

Machine Gun Belt Linkers. 1919, M-60, RPD, MG42 and others \$125.00 small and large units available. Call for quote. Hahn Machine, 3101 Sussex, St. Charles, MO 63301. 314-946-9567 (xJuly93)

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Reising Model 50, 45 cal. 30 round magazines \$45 blue or parkerized plus \$5 for shipping. Also parts & accessories, send long SASE for more information to KC Enterprises, 7240 South Ridge Madison, Ohio 44057.(xNov)

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M2 Carbine - RIA Fully transferable, \$895.00 plus S&H. Will handle special orders/transfers for Virginia residents. Call Gene 9-5 ET M-F, (804) 528-4103, PO Box 11498, Lynchburg, VA 24506. (xDec)

NEW BERETTA 686 onyx over & under, AOW's \$5.00 Tax, any barrel length, 12 or 20 ga., pistol grip made to order \$850., for screw in choke tubes add \$175. Visa/Mastercard accepted. Transfers to Maine Residents \$50.00 Agosta Firearms Company Class II 207-442-9948 (xJan)

H&R Reising Model 50 - Fully transferable, new & unfired w/original manual, sling & cleaning rod, \$675.00 plus S&H. Call Gene 9-5 ET M-F, (804) 528-4103, PO Box 11498, Lynchburg, VA 24506. (xDec)

Classified Advertising

Delft Optics Mfg. rifle scopes wanted. Scopes have no adjustment turrets, age and elevation, adjustments are with knurled rings front and rear, concentric with tube, reticle is inverted post type, left side of tube is marked with artillerie Inrichtingen logo bracketed by 3 x 25, 5 and Nr XXX, top dollar paid. Jay Tee's RFD 4, Box 353, Marshall, IL 62441. 217-826-2919 (xjan93)

INTRICAL SOUND SUPPRESSORS: .22 cal. Pistol \$89., Rifle \$98., Give me a call let's talk. Roy 602-723-7811 N.F.A. rules apply. (xJan)

MASSACHUSETTS RESIDENTS let me handle your Class II & III needs. Large inventory of quality machine guns IN STOCK for immediate transfer. Will do conversions on your HK guns. We are buying, selling, trading, and will do transfers. Alpha Arms (508)478-3393 Paul. (xOct93)

Stoner 63A parts, accessories, literature, information, memorabilia needed. Jerry 217/826-2919 (xmy93)

S&W 76 NIB with all extras \$1995, PS MAC 10 frame complete \$295, American 180 original laserlock & 16" barrel, charger & cords \$495, HK registered lower \$595, AR-180 conversion by Smith \$1095, Ruger 10/22 full-auto suppressed \$1495, M11/9 \$375, Post sample AR-15 drop-in sear \$75. I need Ingram M-6 magazines, pre-86 registered AR-15 drop-in sears and HK semi-autos. Call evenings (205) 836-7836.

HELP, I'm in search of a 30rd drum magazine for a .45 cal. Colt 1911-A1 style auto pistol. Must be in excellent working condition. Anyone who has one for sale or information as to where I can find one will be greatly appreciated. Call (616) 457-8124 Todd. (x)

GENERAL THOMPSON'S PASSION. New all TSMG video. Many rare guns and drums. Loaded with full auto fire scenes. \$19.95 post paid. ARMS CHARMS CO./B. Abbe, 107 S. 2nd St. Wormleysburg, PA. 17043 (x)

WANTED: Thompson Submachine Gun; WWII Bridgeport; 1928A1; S/N AO—; Lyman Adjustable Rear Sight; Finned Barrel; Cutts Compensator; Matching Numbers; Horizontal Foregrip; Non-reinforced Butt Stock; Dark Parkerized Finish. K. McLaughlin (317) 839-0532. (x)

5 A-2 FLEMING SEAR, New S.E.F., Flipper, \$2500. HK 53, S&H sear \$2450, MP5K 3 lug S.E.F. flipper built on 94, \$2450. Tom (602) 369-3230.

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Want to buy 20mm ammo, brass and parts for Lahti and Solothurn. For sale, select fire suppressed Mark II pistol \$4200, Galil \$5200, American 180 drum \$225, Original Sten suppressor \$875, Reising magazines \$55, 1-614-373-1158. (x)

WANTED: Reising M55 folding stock-stock only. VG+ Will pay top dollar. Gary Cicora 406 Roe Ave. Elmira, NY 14901. (607) 732-0686. (xDec)

MP43 original WW2 German, exc. cond. w/original sling and sight hood. \$3500. MP40 rewat, all matching original gun, exc. cond. \$1600. Jap 99 barrel w/flash hider exc. cond. never demilled ready to go on gun. \$500. Paul (508) 839-4954. (xJan)

RUGER 10/22 SUPPRESSED MACHINEGUNS. Full auto conversion kits. Registered pre'86. Fully transferable. Call or write. Free brochure. NFA rules apply. Norell, 2608 Gristmill, Little Rock, AR. 72207. (501) 225-7864

H&K SEF Lower Receivers for use with transferable sears on semi-auto models with block in upper receiver. Also works with semi-auto trigger pack for the full-auto look. \$129.95 w/selector. All NFA rules apply. Ithaca M37 parkerized 12ga. barrel 18.5" with truchokes \$80. Call Darryl after 7PM (601) 831-2787. (x)

AR-15/M-16 OWNERS ACCURACY PROBLEMS SOLVED. ACCRATORQUE the twenty buck answer to a thousand dollar question. FREE DETAILS. Gunsmith 60, Valley Farms, AZ 85291. (xJan)

Wanted: "Bring Back" Items from Desert Shield-Desert Storm, Viet Nam, Viet Cong, NVA, PRC Chinese & Soviet Areas. Weapons, knives, badges and field gear...Need Soviet and Block Makarov Pistols...Best CASH Paid.. RJP/ PO Box 151, Park Ridge, Illinois, 60068 Toll free 1-800-345-0930 WEL-COME HOME!

WANTED: French Hotchkiss Model 1914. Wanted: Japanese Type II feed fingers. (tray) Wanted: 6.5mm Breda Model 30 magazine and firing pin. Bill Grist, Collectors Network, 158 Union St. S. Concord, NC 28025. (704) 782-8523.

MG-34 & BAR 1918 A2 both DS & Pre'86. RPB M10, M10 suppressor, American 180, HK G3, 1919A4 .30cal. tripod, T&E. Make offer. Bill (512) 249-9700.

WANTED: Transferable Sterling MKV Silent gun! Also need original Thompson New York drum in mint condition. Call Ron Garney at Hm# (409)828-3810 or Wk# (409) 828-3299.

UZI OWNERS: Now more than 20 rounds for the Group .22 conversion kit. Easily join two magazines with MAG-MATE for up to 40 continuous rounds!!! Also usable for 9mm. \$12.95 + 1.50 S&H to: SDT Engineering, P.O. Box 8238, Essex, Vermont 05451. (x)

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C&R Licensees Class 111 Transferable Machine Guns: all NFA rules apply: Beretta 38A 2nd Model factory sales Model chrome 99% \$3600. Beretta 38A 3rd Model late war \$2150 excellent. Beretta 38/43 transitional Model excellent \$1595 late war. Italian WWII canvas paratrooper carry bags meant for 38A 38/42/43/44 \$165. Beretta magazine loaders mint \$85. RPB MAC10 9mm \$700. Call after 5PM Ronald (203) 386-1192 Conn. Hermann (718) 278-3708 NY. (xDec)

FOR SALE: Springfield Armory M1-A with Krieger stainless barrel. ANIB \$1000. Also have accessories and extra mags. Model "A" semiauto UZI, good to excellent \$800 or will trade towards NIB Group Industries full-auto UZI. CHRIS (203) 438-6017.

Need an M2HB 50 Cal or Aircraft or Thompson replica for your vehicle or plane? Higher quality and lower price than the competition. Also have Jeep pedestal mounts @ \$235 incl. shipping. John's Replicas, 817 E. Birch Ave, Whitefish Bay, WI 53217 (414) 964-6978. (xdec92)

WANTED: Steyr-Solothurn MP34 cal. 9mm Parabellum, magazine only for M-1918 Chauchat, and any Thompson accessories. All NFA rules apply. Don Wood Box 405, Oglethorpe, GA 31068-0405.

FOR SALE- MGN backissues - Write with price you will pay for one or all. Prefer to sell all to one person who is a serious collector. Have: Vol. 4 #3 (6/90) thru Vol.6 #1 (6/92) 23 issues. Horne, Box 7155, Washington, D.C. 20044. (x)

REPRODUCTION Thompson Submachine gun receivers, 80% completed machined steel replicas, M1A1 or 1928A1, \$210 ea. ppd. Polished and blued, \$310 ea. ppd. Pay by Cert. check, money order, or UPS COD cash only. B.D. Enterprises, Saali Rd. RD#2, Savannah, NY 13146, or phone (315) 754-6335. Satisfaction guaranteed or money back. (xApr)

DUPLEX AMMUNITION! Yes, that means two bullets launched per shot! Reliable expanding JHP DUPLEX ammo for your machine gun. Also, 357-4X load that fires four (4) bullets per shot. We just dropped our prices apx. 37%! Ammunition and reloading pacs available. Send a SASE for info. BAL-LISTIC METAL AMMUNITION, P.O. BOX 25550 Ventura, CA. 93002. (x)

ROCKETS! These are not toys. Zero to 300mph in four seconds! Explodes on impact! Low cost, high performance. So simple to make a 12 year old could do it. Consists of eight parts costing apx. \$7. per rocket not counting the remote launch controller at about \$15. For information purposes only. Send \$3. + SASE to: MJA DEPT. MGN P.O. Box 25550 Ventura, CA 93002 (x)

MOONSHINE, PEACH BRANDY, & JERKY! These instructions are the best and they go back in time. The Moonshine can hit 190 proof! The Brandy is simply the best and the Jerky is worth fighting for. Send \$4. for all or \$2. each + SASE. MJA P.O. Box 25550 Ventura, CA. 93002. (x)

KENTUCKY RESIDENTS, Stocking-Class 3 dealer will do transfers for machine guns. Have MAC's and Colt M-16A1 all NIB. Mastercard and Visa accepted. Call nights Donnie (606) 549-2544. (xFeb)

WANTED: MP40 non-gun/replica, i.e. Replica Models, etc. Gun wanted for static collection, but authenticity is important. Please list all details and price in first correspondence. Ron Mills, 303 Cascade Dr. Crystal Lake, IL. 60012. Phone (815)455-3448/Fax 815 455-3630.

Thompson SMG: 1921-28 Navy SN 14318 from Denver Police Dept. Excellent - (3-50rd drums - original). 1 box unopened shot shells, 3 stick mags. \$5,500.00 Dr. Leon Phelps 10 Sudbrook Lane, Pikesville, MD. 21208 Day 410-484-5211 or evening 410-321-5054.

FOR TRADE 1918A2 B.A.R. BBL New, Unfired, NE-7, 5-43 Date. Wanted MG34 BBL in excellent condition with carrier. Call Steve (602) 898-7482.

Classified Advertising

LAW ENFORCEMENT AGENCIES: Form 10's, 1921/28 Colt Navy Thompson, VG, S/N 10261 & 1928A-1 Auto Ordnance, Good, S/N S-399329 "L" Drum & 3 Sticks BEST OFFER. Contact: Lt. Grady, Pittsfield Police Dept. 39 Allen St. Pittsfield, MA.01201.

REISING MODEL 50.45 CAL. 30 ROUND MAGAZINES. \$45 blue or parkerized plus \$5 for shipping. Also parts and accessories, send long SASE for more information to KC Enterprises, MGN, 7240 South Ridge, Madison, Ohio 44057. (xJan93)

I would very much like to find a Class III friend that has, or knows of a place that I can shoot my machineguns, between the area of Lakeland and Ft. Myers, FL. Possibly some of you Iller's out there would be interested in working up something on a place for us to shoot. Please call or write— Buck Thomas, 2634 Nassau St., Sarasota, FL. 34231. PH. (813) 924-4663.

MP5SDA3, MINT, qualified, \$3800, M16 reg. rec. 11 1/2 fluted barrel, Teflon finish, as new \$2000, American 180 mag, offer. HK33A2, as new \$2300, Colt 6520 CAR-15's NIB, \$950.

Wanted: H&R Reising 50, 55, and 60 factory manuals, ads, Marine WWII manual. Will pay good prices for them. Write Kenneth Christie Jr., 7240 South Ridge, Madison, OH 44057 or call (216) 428-5551.

249 Parts, M60 barrels, 50 Cal M2 aircraft and land barrels, Russian 51 cal. Barrels and Dsk-barrels. Contact Pat McKinnney ph. (714) 956-7566 P.O. Box 8217 Anaheim, CA 92804. Also FAX. (xDec)

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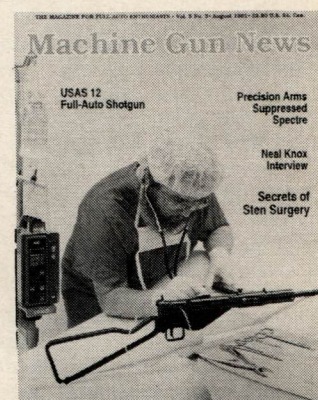
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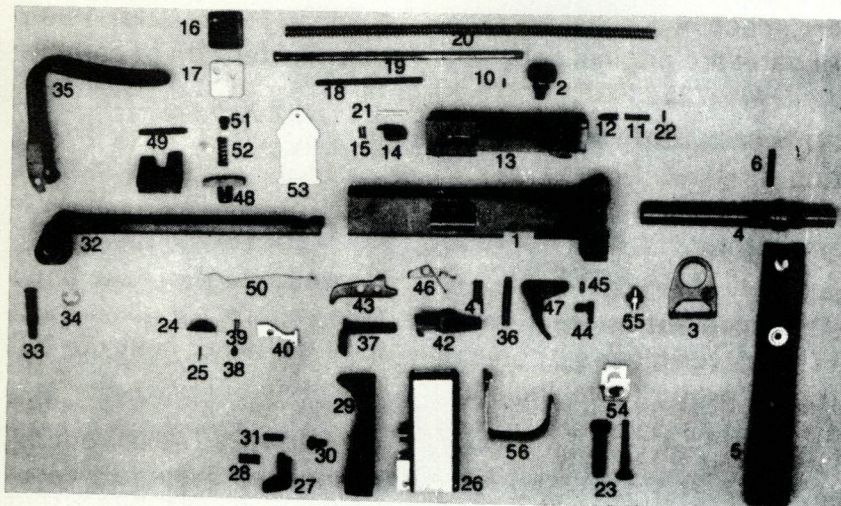
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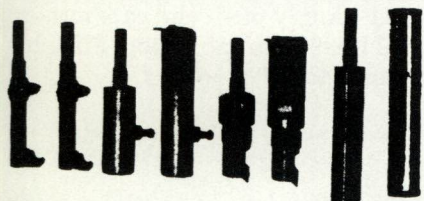
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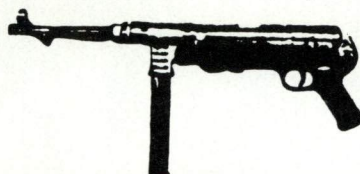
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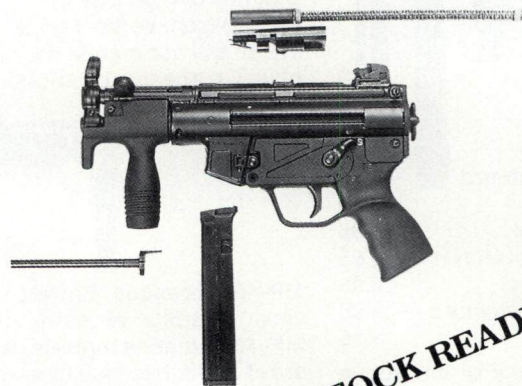
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