

THE MAUSER MONTHLY
Edition 6, Volume 1
July 1996

The newsletter for fans of Mauser rifles - the REAL "Riflemen's Rifle!"
Editor/Publisher - Ward M. Clark, Aurora, Colorado, USA

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Reader's Comments

For any America Online users who might have missed the announcement:

AOL's new alternative pricing plan is now in effect. You may opt to pay \$19.95/month for 20 free hours. Additional hours will still be priced at \$2.95.

To request this change, use Keyword: Billing
Then select: Modify Billing Information
and Update Pricing Plan.

-- JASPAR@aol.com

I have a '96 Swede that is giving me accuracy fits. It supposedly has a #1 bore (I say supposedly because I've heard rumors of people switching disks, and mine is held in with an aluminum screw. I don't think aluminum was the metal de juor in 1917). When I first got it I shot a couple of groups of about 1 « inches using the Swede mil surplus ammo. Since that time the groups have opened up to about 6" at 100 yds. I've not put more than 100-150 rounds through it in that time. They went as high as 8", but I discovered that the bolts holding the receiver had loosened up. After tightening, groups dropped to the current 6". I wish I could blame it on my eyes with the open sights, but I can hold 2" groups with my Marlin 336 sitting with open sights. The barrel does load up very quickly with copper (5 shots). I have cleaned with Shooters Choice down to bare metal but it doesn't help. I've tried hand loads with 120gr Noslers, and also S&B 131gr factory loads. Nothing works. I have not had a chance to try the Swede ammo again. It is still in the military stock and I have done nothing about bedding it. All this talk I've seen in rec.guns about .75-1.00 inch groups with these things, is that in the standard stock, or sporterized and tweaked? Is there a proper torque spec for the bolts, or torquing order (front first, or rear first)?

I'm about ready to sell the thing to the first person to offer me cash for it, but I'd rather not. I can't justify a gun just to hang on the wall and look pretty, so if I can't get the thing shooting decent it goes up on the auction block. Any help would be appreciated. E-mail me please and I'll send a summary of answers, and results of testing to Ward for a future issue.

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Thanks in advance,
Ed Gardner (ewgardne@syr.edu)

I am really seeking information on my recently acquired VZ24 "sniper variant". It came from Springfield Sporters in PA. I got the mount/rings from Curt at Sonja Ellison's. (Both advertise in Shotgun News.) Curt, who certainly knows his guns, thinks the sniper variant came out in the late 20s or early 30s but that is all he knows.

Have you any sources? I would like to know what kind of scope went on it and whether the Germans employed them during the war. Mine is not waffenampfed.

Brian R. Bader (brb2m@poe.acc.virginia.edu)

I'm looking for a reasonably priced M38 action, with or without barrel in good condition (matching bolt and action)... also, I'm trying to find out where to get a receiver mounted scope base... preferably a one piece... Weaver seems to make a two piece for the "Husky" Mauser w/ 1.300" dia. receiver ring (which the M38 mikes at)... what can you tell me about bases other than the side mount type you went with... am aware of the B-Square "scout" type but want a receiver type...

-- Dbcooper (dbcooper@nando.net)

I bought a M1912 Chilean Mauser from Springfield Sports for 125 bucks. It shoots the 7x57 and is as smooth as glass. I really noticed this after I was shooting my Mosin-Nagant earlier in the morning. The bolt matches the receiver, but most other numbers do not, but for the price, I am extremely happy.

Ronald C. Bloom II (TDWJ36A@prodi gy.com)

Thought I'd let y'all know that Samco has a new shipment of Swedish Mausers. I ordered one of their Husqvarna 38's on Friday so I'll let you know how it turns out. Following is a summary of what's in their flyer:
M96's: Carl Gustaf & Oberndorf - \$89.95-129.95
M96/38: Carl Gustaf & Husqvarna - \$109.95-129.95
M38's: Husqvarna - \$129.95-169.95
M38's: Oberndorf - \$129.95-149.95 (I assume these are really 96/38's. There weren't any Oberndorf 38's were there?)
M41B Sniper with matching # scope: Carl Gustaf & Oberndorf - \$1200-1400

They also advertise the practice ammo with the wooden bullets for \$33.80/200 rounds.

Rodney C Hardiman (rhardimn@bham.mindspring.com)

Here's a question for one and all...

I have a Model 98k Mauser, chamber dated 1938, manufacturer code "147".

While Wirnsberger's "The Standard Directory of Proof Marks" has no listing for a code of 147, Olson's "Mauser Bolt Rifles" (page 124) lists the code of 147 as belonging to J. P. Sauer & Sohn, Suhl.

The problem with this is that all of the waffen amp are "359", indicating Carl Walther.

Anyone care to voice an opinion?

Regards,
Kyrie KYRIEELLS@aol.com

Mauser Clones Part 2

The P-17 Enfield - The Orphan Mauser Clone
by Steven L. Ashe (Steve@mcq.com)

As history tells us, the Brits. were deeply involved in WWI for years, before our American Expeditionary Force [AEF] was sent "over there", in 1917. Although isolationists were doing a good job of keeping the US out of the war, our sympathies, obviously lay with the Allies. There was no organized "Lend Lease" as later in WWII, but much was being sent to aid the Allied cause. The British, in particular, were hard pressed to arm all their troops. Research had begun on a Mauser type rifle, early in the century, to replace the Short Magazine Lee Enfield, and in 1913 a design was accepted by the British War Office, approved, on a trial basis, and called The Rifle Magazine, .276in. [7mm], Pattern 1914. Several problems were encountered with the new cartridge. Not the least of which was rapid barrel erosion, problems in feeding, overheating and premature ignition, attributed to excessive heat. The onset of the war stopped all experimentation [in hindsight, we now know that the idea of smaller, lighter, ammunition was ahead of it's time, given what transpired 50 years later]. Since the P14's main attraction was the ability to be rapidly produced, a move was instituted to convert it to accept the standard .303 cartridge. The initial design, created at the Royal Arsenal at Enfield Lock, was adopted but not enough tooling and material was available in England to begin production. American gun makers were called upon to produce what the Brits called the Pattern 1914 Rifle, but what we, forever after, have called "The Enfield".

By the beginning of 1917 the US was drawn into WWI. Congress had been stingy with the military since the Span/Am War, so adequate numbers of Model 1903 Springfield Rifles were not anywhere near what was needed to equip the AEF. Even if Springfield and Rock Island Arsenals went on double shifts, they would be unable to keep up with the flow of recruits entering the military service. About this same time, the contracts for the P14 were being filled at the three facilities that were building them: Winchester, Remington at Ilion, NY and Remington's Eddystone Arsenal at Eddystone, Pa. All three were approached by the Federal Gov't. about the feasibility of re-chambering the P14 to accept the US .30 cal. round[30-06]. The magazine of course would also have to be modified, along with the bolt. The contractors were very anxious to continue production, so that the required changes were quickly made, and the deal was struck to go into production as soon as possible in order to turn out the US Model of 1917 in 30-06. However, the name Enfield stuck. Whenever this weapon was commonly referred to, the name of the facility that originally designed it was used. Even to this day, I have new people to the hobby refer to the P17 as the Enfield, but don't know why this US rifle is known by a British name.

The US standing army was tiny when the initial call up for volunteers went out. Generally, only "Regulars" were equipped with the M1903 Rifle. Some few ready reserves had '03s, but not many. The recruits began by drilling with broom sticks until the P17s were issued. As they were shipped off to Europe, far more of them carried P17s than the '03. All one has to do is look through photos of US troops headed for Europe, and the proliferation of P17s is very much in evidence.

Although Gary Cooper carried an '03 in the film "Sergeant York", the real life Sgt. Alvin York was armed with the P17.

Most of the Dough Boys were quickly returned to private life at end of hostilities in 1918. Only the "Graybeards" remained on active duty. I firmly believe that it was blind prejudice that put the P17s into storage and the return to the '03 as the Main Battle Weapon of the infantry, was accomplished. The P17 is easier to train novice riflemen on because of the superior battle sights. The P17 is as good, in all other ways, as the '03. The complaints that are heard are not really relevant when comparing battle rifles: [1]"The P17 is not as pleasing to the eye as the '03. It has a "pregnant" look to the stock in the area of the magazine.." I accept this,

but how important is it, as a genuine drawback is debatable. [2]"The '03 is better balanced than the P17". I've not found this to be true. It is, however, roughly 3.25" longer than the '03 and 1.5" longer than the #1 MkIII. [3]"The '03 is more accurate than the P17". Every veteran I've spoken to claims that the P17 was an excellent shooter, as good or better than the '03, but that they liked the '03 because of its handsome appearance. Again, I believe that most of the reasons that the '03 surmounted the P17 in usage by US forces was due to the prejudices of the "old guard".

So the P17 was moth balled after WWI, except in the cases where they were left in the hands of some state's National Guardsmen.

Again, in WWII, our British cousins were drawn into war with the Axis Powers long before we were. The call went out to send arms to the Commonwealth Nations. The P17s were brought out of storage by the thousands and sent to our Allies. Most of them were issued to home guards and painted with a red ring around the stock, indicating their 30-06 chambering.

Bayonets for the P14 and P17 are also marked by two deep hash marks on either side of their grips. This is to differentiate them from the similar looking M1907 British bayonet that fits the #1 MkIII, SMLE. The P14 was re-designated as the #3 Rifle by the British in 1941 and continued in service until 1947.

In US service during WWII the US Model of 1917 performed yeoman service as a secondary arm in training and for Home Guard duties. Originally finished in a black-blue, thousands were parkerized for WWII service. Although the British never trusted in the interchangeability of the three contractors, and in fact had different "Mks." for each, we now encounter an enumerable number of mixed part rebuilds.

The P14 and the P17 can never deny their Mauser parentage. Once hostilities with Germany broke out, the British did not have to adhere to the niceties of any world court, in indulging in their shamefaced "knocking off" of the Mauser M98 design.

Though I cannot document this fact today, I remember reading that a settlement was made between the USA and Germany over the patent infringements connected with the US M1903 Springfield and the German Mauser M1898. Perhaps some reader can enlighten me in this regard.

So in my belief, the P14/P17/Rifle #3, was a step-child of the Mauser and a magnificent weapon that happened to come at a time when it was doomed to live in the shadow of two other tried and true warriors, the M1903 Springfield and the #1 MkIII British SMLE.

The US contractors produced 2,193,429 rifles in one year. Winchester turned out 465,980. Remington in Ilion, NY made 545,541. Remington's Eddystone, Pa. plant came up with a phenomenal 1,181,908 finished rifles. The British designation for the Eddystone produced P14s was, "Rifle, Magazine, .303in, Pattern 1914 Mark 1E". Ilion, NY made were designated differently only by the "Mark 1R" and Winchesters by "Mark 1W". Minor changes were made in thickening the fore-ends, which added an * to the models in Feb. 1917.

Sniper models got a cheek piece and Aldis sighting telescope, starting in April 1918 and had a (T) added to their designation.

These American produced veterans are again available on the surplus market, having been released from Canadian War Reserves. I'm convinced that in a very short time the prices will climb. This weapon, no matter what designation it bears is a hero of two world wars, plus many so called bush fire wars. It has carved its niche in the world history of the evolution of the Main Battle Weapon.

German Ordnance Codes - an overview
by - KYRI EELLS@aol.com

After World War I, Germany was totally disarmed. When Hitler became Reich's Chancellor in 1933, he began an era of

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re-armament. This had to be done in secrecy, and to conceal what was going on in the German arms and allied industries, manufacturers were assigned code letters or numbers. This ordnance coding began in 1938, continued to the last days of the Third Reich.

Early during WW II, Allied intelligence sources discovered the code, and despite concerted efforts, were unable to break the code. Even after the war when tons of documents were unearthed, the entire list of codes was not found, and thus some of the codes are still unknown.

Manufacturers and sub-contractors were assigned codes, and this coding included not only arms, ammunition, but also binoculars and even saddlebags. In short, anything that the quartermaster of any of the military services required, was coded. There were a few exceptions, but arms collectors are not concerned too much with those exceptions since most of them were marked with the name of the maker.

The system of assigning codes was begun in an orderly fashion, but because of the huge demand for military goods and the constantly increasing number of suppliers and sub-contractors, the orderly system of assigning codes was abandoned and henceforth codes were assigned in a haphazard manner. Some of the codes are well-known to collectors - the Mauser byf, the ac assigned to Walther, the RWS code dnf are readily recognized.

Despite efforts both in Germany and in the United States, by researchers and collectors, the list has never been completed. Some of the manufacturers with unidentified codes were originally producing non-military items, and later produced parts, or did some sub-assembly work, or perhaps branched out into making items needed for the growing military might of Germany. Many of these companies were demolished during the war, others ceased to function, still others are in Communist-occupied areas. It seems reasonable to assume also that some of these concerns would just as soon forget their participation - voluntary or involuntary - in this German debacle.

The beginning collector should not be surprised when he discovers two or even more codes on a gun. Sub-contractors marked the part or parts they made, and each part had to be marked with the maker's code. At first these ordnance codes were numbers but in 1941, the number code was changed to a letter code.

aaa Waffenfabrik Brunn AG, Prague
aac Mannesman-Rohrenwerke, Komotau, Sudeten Germany
aak Waffenfabrik Brunn AG, Prague
aaj Obenhutten, Vereinigte Oberschlesische Huttenwerke AG
aak Waffenwerke Brunn AG, Prague, Wrsowice plant,
Czechoslovakia
aan Mitteldeutsche Metallwarenfabrik, Erich Frank, Glauchau,
Saxony
aar Geba-Munitions- und Waffenfabrik, Breslau, Czechoslovakia
aaw Metallwarenfabrik Gebr. Schmidt, Idar-Oberstein
aba unknown
abb Friedrichsthaler Eisenwerk, Jennewein & Gapp, Friedrichsthal
(Saar)
abc Deutsche Metallwerke, Weinstra e, Neustadt
abh Koch & Sohne, Frankenthal -Plomersheim (Iron and metal
products)
ac Carl Walther, Zella-Mehlis, Thuringia

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acu unknown
 ad Patronen-, Zundhutschen- und Metallwarenfabrik AG (formerly
 Sellier & Bellot), Schonebeck on the Elbe
 adc William Prym, Stolberg, Rheinland
 aek F. Dusek Waffenerzeugung, Oppeln near Nachod, Czechoslovakia
 afb Metabu, Werk Closs, Rauch & Schnitzler, Nurtlingen
 afu August Winkhaus, Munster
 ai unknown
 aj unknown
 ajf Junker & Ruh AG, Karlsruhe, Baden
 ajn Union Sprengstoff- und Zundmittelwerke, Alt-Berum
 ak Munitionsfabriken (formerly Sellier & Bellot, Prague),
 Vlasim, Czechoslovakia
 akp Deutsche Rohrenwerke, Poensgen plant, Dusseldorf-Lierenfeld
 akv unknown
 al Deutsche Leucht- u. Signalwerke, Dr. Feistel AG, Berlin-
 Charlottenburg
 am Otto Eberhardt, Patronenfabrik (Gustloff Co.), Hirtenberg,
 Austria
 ama unknown
 amh unknown
 amj Waggonfabrik L. Steinfurt, Konigsberg
 amn Mauser-Werke KG, Neuwed plant
 amo Mauser-Werke KG, Waldeck-Kassel plant
 amp Dortmund Hoerder Huttenverein, Dortmund
 an Beutemuller & Co., GmbH, Metallwarenfabrik (ammo),
 Bretten-Baden
 and Magdeburger Pumpenfabrik, Otterburg & Co., Magdeburg
 anj Kienzle-Uhrenfabrik, Komotau, Sudeten Germany
 anx Konigs-Laura-Hutte, Konigshutte
 anz Maschinen- u. Armaturenfabrik, formerly L. Strube,
 division of Polte, Magdeburg-Buckau
 ap Gustloff-Werke, Wuppertal plant, Ronsdorf
 apc Continental Caoutchouc Co., GmbH, Hannover
 aqe Deutsche Kabelwerke, Berlin
 aqk unknown
 aqt unknown
 aqx Rheinmetall-Borsig, Tegel plant
 ar Mauser-Werke, Berlin-Borsigwalde
 arb Vereinigte Oberschlesische Huttenwerke, Andreashutte
 arl unknown
 asb Deutsche Waffen- u. Munitionsfabriken AG, Berlin-Borsigwalde
 aso unknown
 asr HAK Hanseatisches-Kettenwerk GmbH, Hamburg- Langenhorn
 asx Hosch AG, Dortmund plant
 at Klockner-Werke, Div. Hasper Eisen- u. Stahlwerk
 atb Hydrometer AG, Breslau, Czechoslovakia
 atl Klockner-Humboldt-Deutz, Ulm
 atr Langbein-Pfannhauser-Werke AG, Leipzig
 atw Mannesman-Rohrenwerke AG, Witten plant, Ruhr
 aty Maschinenfabrik fur Massenverpackung, Lubeck-Schlutup
 au Gute-Hoffnungshutte Oberhausen, Sterkrade plant
 auc Mauser-Werke AG, Cologne-Ehrenfeld
 aue Metall u. Eisen GmbH, Nurnberg
 auf Metall-, Guss- und Presswerk, H. Diehl, Nurnberg
 auj unknown
 auu Patronenhulsen- u. Metallwarenfabrik AG, Rokycany plant,
 Pilsen, Czechoslovakia
 aux Polte-Werk, Magdeburg
 auy Polte-Werk, Grunenberg
 auz Polte-Werk, Arnstadt
 av Adam Gerhard, Motorenwerke, Oskau Friedrichsdorf, Sudeten
 Germany

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ave unknown
 avk Ruhrstahl AG, Brackwede-Bielefeld
 avm Rheinütte GmbH (Formerly Beck & Co.), Wiesbaden
 avt Silva-Metallwerke GmbH, div. of Polte, Gentin
 avu unknown
 awj unknown
 awl Union-Gesellschaft für Metallindustrie, Sils van de Loo u.
 Co., Werl plant, Frondenberg, Ruhr
 awt Württembergische Metallwarenfabrik AG, Geislingen (Steige)
 ax unknown
 axq Erfurter Laden Industrie, North Erfurt
 axs Berndorfer Metallwarenfabrik AG, Arthur Krupp, Berndorf,
 Austria
 ay Alois Pirkel, Elektrotechnische Fabrik
 aye unknown
 ayf Waffenfabrik Erma, B. Geipel GmbH, Erfurt
 ayg unknown
 ayk unknown
 aym unknown, located in Czechoslovakia
 ayr unknown
 az VDM-Halbzugwerke, Aitena
 azg Siemens-Schukert-Werke AG, Berlin
 azy Maschinenfabrik Sangershausen
 ba Sundwiger Messingwerke, Iserlohn, Westphalia
 baz Steyr-Daimler-Puch AG, Steyr, Austria
 bb A. Laue & Co., Berlin
 bc Kupfer- u. Messingwerke KG, Becker & Co., Langenberg,
 Rheinland
 bcd Wilhelm-Gustloff-Werke, Weimar
 bch unknown
 bck Brunnghaus, Versmold
 bcu Gutehoffnungshütte, Oberhausen
 bd Metallwerke Lange AG, Bodenbach plant, Sudeten Germany
 bda Uhrenfabrik Villingen
 bdq Ehrhardt & Kirsten, Koffer- u. Lederwarenfabrik, Leipzig
 bdr Richard Ehrhardt, Lederwarenfabrik, Poeseneck, Thuringia
 bdy Pittner, Leipzig
 be Berndorfer Metallwarenfabrik, Arthur Krupp AG, Berndorf,
 Austria
 bed Gustloff-Werke, Weimar
 beh Ernst Leitz GmbH, Wetzlar
 bej Maschinenfabrik Wolf, Buckau
 bek Hensoldt-Werk für Optik und Mechanik, Herborn
 bf Deutsche Rohrenwerke AG, Muhlheim, Ruhr
 bfn NewYork-Hamburger Gummi fabrik
 bg Enzesfelder Metallwerke, Vienna, Austria
 bh Brunner Waffenfabrik AG, Brunn, Czechoslovakia
 bj Niebecker & Schumacher, Iserlohn, Westphalia
 bjm Klockner Werke, Deutz plant
 bjv Bohmisch-Mährische Kolben-Danek AG, Vysocan plant, Prague
 bk Metall-, Walz- u. Plattierwarenfabrik Hrichs & Auffermann
 AG, Wuppertal
 bkp Gewehrfabrik Burgsmüller & Sohne GmbH, Kreiensen
 bkq Johannes Suremann GmbH, Rohrenfabrik, Arnsberg
 bky Bohmische Waffenfabrik AG, Prague, Ung.-Bro plant. Moravia,
 Czechoslovakia
 bkz unknown
 bl unknown
 bla E. G. Leuner GmbH, Bautzen
 blc Carl Zeiss, Military Division, Jena
 bln unknown
 blp Burgsmüller & Sohn, Kreiensen
 blr unknown

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blu Sprengstoffwerke, Blumenau near Felixdorf
 blx unknown
 bm unknown
 bmb Metallwarenfabrik Binder, Reichertshofen
 bmd Max G. Muller, Fabrik fur Lederwaren & Heeresbedarf,
 Nurnberg
 bmf Berndorfer Metallwarenfabrik, Berndorf, Austria
 bmj Hensoldt & Sohne, Mechanisch-Optische Werke AG, Wetzlar
 bml unknown
 bmu Carl Kuntze, Sattlerwarenfabrik, Penig, Saxony
 bmv Rheinmetall-Borsig AG, Sommerda plant, Sommerda
 bmz Minerva-Nahmaschinenfabrik AG, Boskowitz, Czechoslovakia
 bn unknown
 bnd Maschinenfabrik Augsburg-Nurnberg, Nurnberg plant, Nurnberg
 bne Metallwarenfabrik Odertal GmbH, Odertal
 bnf Polte, contract plant, Wolfenbittel
 bnz Steyr-Daimler-Puch AG, Steyr, Austria
 bo unknown
 boa Vendor, Troisdorf
 bod Vendor, Troisdorf
 bot Metallwerke Neheim
 bp unknown
 bpd Optische Anstalt O. P. Gorz, Vienna, Austria
 bpr Johannes Grossfuss, Metall- u. Locierwarenfabrik, Döbeln,
 Saxony
 bpt unknown
 bq unknown
 bqo Krupp-Gruson, Magdeburg-Buckau
 bqs Oderhutte Kurstin
 bqt Eugen Muller, Pyrotechnische Fabrik, Vienna, Austria
 br Mathias Bauerle, Laufwerke GmbH, St. Georgen, Black Forest
 brb unknown
 brd Hagenok, Neufeldt & Kuhnke GmbH, Kiel
 brg unknown
 bsv Tonshoff, Horn in Lippe
 bt unknown
 bte unknown
 btk Aluminium-Werke Honsel, Werdohl
 btn unknown
 buc Metallwerke Windelsbleiche near Bielfeld
 buh Rochling, Wetzlar
 bv unknown
 bvl Theodor Bergmann & Co., Abteilung Automaten- &
 Metallwarenfabrikation, Hamburg-Altona
 bv v unknown
 bw unknown
 bwc Maschinenfabrik Brackwede
 bwn Krupp-Stahlwerk u. Maschinenfabrik, Essen
 bwo Rheinmetall-Borsig AG, Dusseldorf
 bwp Berlin-Anhaltische-Maschinenbau AG, Dessau
 bwq unknown
 bwr Werk Lauchhammer
 bw x Ruhrstahl, Henrichshutte, Hattingen
 bxb Skoda-Werke, Pilsen, Czechoslovakia
 bxe Bochumer Verein
 bxm Vereinigte Zunder- u. Kabelwerke, Meissen
 bxn unknown, Czechoslovakia
 by unknown
 byc Brückenbauanstalt August Klönne AG, Dortmund
 bye Hanomag, Hannover
 byf Mauser-Werke, Oberndorf on the Neckar
 byg Johann Wyksen, Optische u. Feinmaschinen, Katowitz, Poland
 bym Genossenschafts-Maschinenhaus der Buchsenmacher, Ferlach,

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Austria

byq Pohlmann & Co., Hammerwerke, Wetterburg, Hessen-Nassau
 byr Ruhrstahl, Witten-Annen
 bys Ruhrstahl, Witten
 byw Johann Schafer, Stettiner Schraubenwerk, Stettin
 bzt Fritz Wolf, Gewehrfabrik, Zella-Mehlis, Thuringia
 bzz unknown
 ca Vereinigte Deutsche Nickelwerke, Schwerte, Ruhr
 cag Swarowski, D., Glasfabrik u. Tyrolit, Wattens, Tyrol,
 Austria
 cau unknown
 cbl VDM-Halbwerkzeuge, Nurnberg branch
 cbr Bohlerwerk, Bohler & Co., Waidhofen, Austria
 cby Scholler-Bleckmann, Ternitz, Niederdonau
 ccb Stahlwerke Brunninghaus AG, Westhofen, Westphalia
 ccd DEMAG, Wetter
 ccx Optische u. Feinmaschinenwerke, Hugo Meyer & Co., Gorlitz
 cdc Kern, Klager & Co., Lederwaren, Berlin
 cdg Auwarter & Bubeck KG, Lederwarenfabrik, Stuttgart
 cdo Theodor Bergmann & Co., Waffen- u. Munitionsfabrik, Velten
 plant, Velten on the Main
 cdp Theodor Bergmann & Co., Waffen- u. Munitionsfabrik, Bernau
 plant, Berlin
 cdv Metallwarenfabrik Ludwig Maybaum, Sundern, Westphalia
 ce Sauer & Sohn, Waffenfabrik, Suhl, Thuringia
 cey Karl Budischovsky & Sohne, sterreichische Lederindustrie
 AG, Vienna
 cf Westfalische Anhaltische Sprengstoff AG, Oranienburg plant
 cg Finower Industrie GmbH, Finow, Mark
 cgn Rohrbacher Lederfabrik, Josef Poschels Sohne, Rohrbach
 cgt unknown
 ch Fabrique Nationale d'Armes de Guerre, Herstal, Liege,
 Belgium
 chd Deutsche Industrie-Werke AG, Berlin-Spandau
 chh DEW, Hannover plant, Linden
 cja unknown
 cjj unknown
 cjn Uhrenfabrik, Gebr. Junghans, Schramberg, Black Forest
 ck Metallwerk Neumeyer, Munich
 ckc Deutsche Eisenwerke AG, Muhlheim, Ruhr
 ckl Eisen- u. Huttenwerke, Thale, Harz
 ctn Friedrichs & Co., Hanseatische Werkstatte fur Feinmechanik
 u. Optik
 cts Markische Werke, H. Hillmann GmbH, drop forge plant, Halver
 ctu unknown
 cty unknown
 cue Rochling-Buderus-Stahlwerke, Finofurt plant, Brandenburg
 cuf Rochling-Buderus-Stahlwerke, Melle plant, Hannover
 cuy unknown
 cuz Eisenwerk Maximilianhutte, stamping plant, Thuringia,
 Unterwellenborn
 cva Eisenwerke Maximilianhutte, iron mongery division, Fronberg
 cvb Otto Sindel, Lederwarenfabrik, Berlin
 cvc Zeschke Nachf. Gebr. L. Zeuschner, Koffer- und
 Lederwarenfabrik, Mullrose near Frankfurt on the Oder
 cvg VDM, Frankfurt-Hedderheim
 cvl WKC Waffenfabrik, Solingen Wald
 cvs Paul Weyersberg & Co., Waffenfabrik, Solingen
 cvv Maschinenfabrik B. Holthaus, Dinklage (Vechte/Old.)
 cwb Brandenburger Eisenwerke
 cwg Westfalisch-Anhaltische Sprengstoff AG, Coswig plant
 cww Karl Weiss, Lederwarenfabrik, Braunschweig
 cxa Ruhrstahl AG, Stahlwerk Krieger, Dusseldorf-Oberhausen

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cxb Moll, Lederwarenfabrik, Goch, Rheinland
 cxd Maschinenfabrik Becker & Co., Magdeburg
 cxe unknown
 cxg Metallwarenfabrik Spreewerk AG, Berlin-Spandau
 cxh Kienzle, Schweningen on the Neckar
 cxm Gustav Genschow & Co., Berlin
 cxn Emil Busch AG, Optische Industrie, Rathenow
 cxq Spreewerke GmbH, Metallwarenfabrik, Berlin-Spandau
 cxw unknown
 cyd Nottebohm, Ludenscheid
 cyh Huttenwerke Siegerland, rolling mills, Eichner
 cyq Metallwarenfabrik Spreewerk, Berlin-Spandau
 cyw unknown
 czf Maschinenfabrik Steubing & Co., Berlin
 czm Gustav Genschow & Co., AG, Berlin
 czn Emil Busch AG, Optische Industrie, Rathenow
 czo Heereszeugamt, Geschosswerkstatt, Konigsberg
 czq Schichau-Elbing, Konigsberg division
 czs Brennabor Werke AG, Brandenburg
 dah Junkers, Dessau
 dar Metallindustrie Schonbeck AG, Schonbeck on the Elbe
 daz Maximilianhutte, plant II, Unterwellenborn, Thuringia
 dbg Dynamit AG, Duneberg plant (formerly Alfred Nobel & Co.)
 dbh Mannesmann, Dusseldorf plant, Rath
 dbk unknown
 dc unknown
 dde Robert Larsen, Fabrik fur Leder u. Stoffwaren, Berlin
 ddt unknown
 ddx Voigtlander u. Sohn AG, Braunschweig
 de unknown
 dea Frankfurter Maschinenbau, Pokorny & Wittkeind, Frankfurt
 dec Bleiwerk Goslar
 dej unknown
 dev DEW, Remscheid plant
 dfb Gustloff Co., Waffenfabrik, Suhl
 dgb Dynamit AG, Duneberg plant (formerly A. Nobel & Co.)
 dgl Remo Gewehrfabrik, Gebr. Rempt, Suhl
 dgz Bohler, Kapfenberg, Austria
 dha Krupp, Hannover plant
 dbn unknown
 dhp H. Burgsmuller, Gewehrfabrik, Kreisen-Harz
 djf Draht-Bremer, Rostock, Mecklenburg
 dkk Friedrich Offermann & Sohne, Lederwarenfabrik, Bensberg
 dla Karl Barth, Militareffekten-Fabrik, Waldbrohl, Rheinland
 dld Kromag, Hirtenberg, Austria
 dlu Ewald Lunenschloss, Militareffekten-Fabrik, Solingen
 dma Heeresmunitonsanstalt u. Geschosswerkstatt, Zeithain
 dmk Ilseder Hutte, rolling mill, Peiner
 dmo Auto-Union, Chemnitz, Czechoslovakia
 dms unknown
 dmy Fritz Werner, Berlin-Marienfeld
 dn Vereinigte Deutsche Nickelwerke, Laband, Upper Silesia
 dna unknown
 دنب unknown
 dnf Rheinische-Westfalische Sprengstoff AG, Stadeln plant near
 Nurnberg
 dnh Rheinische-Westfalische Sprengstoff AG, Durlach plant, Baden
 dnv unknown
 dnz Schwarzwald-Apparatenbauanstalt, August Schweg & Sohne,
 Villingen, Black Forest
 dom Westfalische Metallindustrie, Lipstadt
 dot Waffenwerke Brunn, Brunn plant, Czechoslovakia
 dou Waffenwerke Brunn, Bystrica, Czechoslovakia

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dov Waffenwerke Brunn, Vsetin plant, Czechosl ovaki a
dow Waffenwerke Brunn, Prerau plant, Czechosl ovaki a
dox Waffenwerke Brunn, Podbrezova plant, Czechosl ovaki a
dpf unknown
dph I. G. Farbenindustrie AG, Autogen plant, Frankfurt
dpk Hagenuk, Berlin-Tempelhof
dpl Remo Gewehrfabrik, Gebr. Rempt, Suhl
dpm Pol di -Hutte, Komotau, Sudeten Germany
dps Auto-Uni on, Mittwei da, Saxony
dpu Schl othauer, GmbH, Metallwaren, Ruhl a
dpv Zei ss-Ikon, Dresden
dpw Zei ss-Ikon, Gorz plant, Berli n-Zehlendorf
dpx Zei ss-Ikon, Stuttgart
drh unknown
drv HASAG, Tschenstochau
drz unknown
dsb unknown
dsh Ing. F. Janecek, Gewehrfabrik, Prague
dsj WAMA Metallwerke, Oberlungwitz, Saxony
dsx Rochling-Buderus, Wetzlar
dta A. Waldhausen, Inh. M. Bruchmann, Sattler u. Kofferfabrik,
Cologne
dtf unknown
dtu G. J. Ensink & Co., Spezialfabrik fur Militarausrustung,
Ohrdruf, Thuringi a
dtv C. Otto Gehrckens, Leder- u. Riemenwerke, Pinneberg
dun Pol di Hutte, Kl adno plant, Czechosl ovaki a
dut unknown
duv Berli ner-Lubecker Maschi nenfabrik, Lubeck plant
dvc unknown
dvr Johann Prohlich, Lederwarenfabrik, Vienna
dvu Schi chau, El bi ng
dvw unknown
dwc unknown
dwm Deutsche Waffen- und Muni ti onswerke, Berli n-Borsigwal de
dxs Thyssen, Duisburg-Hamborn
dye Ed. Pitschmann, Pyrotechnik, Innsbruck, Austria
dym Runge & Kaulfuss, Rathenow
dyq DEW, Werdohl plant
dza Blei werke Dr. Schulcke, Hamburg
dzt Optische Anstalt Oigee, Berlin
dzw Metallwerke v. Galowsky & Kielblock, Fi now
eaf Mechanoptik-Gesellschaft fur Prazi si onstechnik, Aude &
Reipe, Babelsberg
eah Bruni nghaus, Werdohl
eak Deutsche Werke Kiel
ean Eisen- u. Metallwerke, Lippstadt
eba Scharfenberg & Teubert GmbH, Metallwarenfabrik, Breitung
ebd unknown
ebf Huttenwerke Siegerland, Charlottenhutte plant,
Wiederscheden
ebk unknown
eca unknown
ecc Oskar Luni g, Pyrotechnische Fabrik, Mohrigen
ecd Graf Lippold, Pyrotechnische Fabrik, Wuppertal -Elberfeld
ecv unknown
edg J. A. Henckels, Zwi lli ngswerke, Solingen
edk Auto-Uni on, Zschoppau plant, Saxony
edq Deutsche Waffen- u. Muni ti onswerke AG, Lubeck-Schl utrup
edr unknown
eds Zundapp, Nurnberg
edw unknown
edy unknown

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edz unknown
 eec unknown
 eed Gewehr- u. Fahrradte ilfabrik H. Wei rauch, Zella-Mehli s
 eef unknown
 eeg Hermann Wei rauch, Gewehr- u. Fahrradte ilfabrik, Zella-Mehli s
 eeh unknown
 eej Marki sches Walzwerk, Stau berg, di strict Potsdam
 eek unknown
 eel Metal lwarenfabrik Wi ssner, Brotterode pl ant
 eem Sel ve-Kornbi egel , Dornhei m AG, Muni ti onsfabri k, Sommerda,
 Saxony
 eeo Deutsche Waffen- u. Muni ti onsfabri ken AG, Posen pl ant
 eet unknown
 eeu unknown
 eev unknown
 eey Metal lwarenfabrik Treuenbri etzen GmbH, Roderhof pl ant
 egy Ing. Fr. August Pfeffer, Oberlind, Thuringi a
 eh unknown
 eky Vol kswagenwerk, Wol fsburg
 elg WASAG, El sni g pl ant
 emh unknown
 emj Adal bert Fi scher, Berlin
 emp Dynami t AG (formerl y Al fred Nobel & Co.), Empel de pl ant
 emq Karl Zei ss, Jena
 emu Mathe Uhrenfabrik, Schwenni ngen
 enc unknown
 enz Enzesfel der Metal lwerk, Enzesfel d pl ant, Vi enna
 eom H. Huck, Metal lwarenfabrik, Nurnberg
 eov unknown
 eox unknown
 epf unknown
 eqf Karl Bocker, Lederwarenfabrik, Wal dbrohl , Rhei nland
 erg A. Doppert, Trei bri emenfabrik (dri vi ng bel t mfr.), Ki tzi ngen
 erm unknown
 erv unknown
 eso Opti sche Werke G. Rodenstock, Muni ch
 etb Steubi ng & Co., Graslitz, Sudeten, Germany
 etl unknown
 ety unknown
 eue Otto Rei chel , Inh. Rudol f Fi scher, Lederwarenfabrik,
 Lengfel d, Erzgebi rge
 eug Opti sche Prazi si onswerke GmbH, Warsaw, Pol and
 euh unknown
 eun unknown
 euo unknown
 evv unknown
 evz unknown
 ews Skodawerke, Koni gsgratz pl ant, Czechosl ovaki a
 ewx Franz u. Karl Vogel s, Lederwarenfabrik, Col ogne
 exd Auto-Uni on, Audi pl ant
 exp Hans Kol l morgen, Opti sche Anstal t, Berlin
 exq unknown
 exs Skodawerke, Koni ggratz, Czechosl ovaki a
 exw Metal lwerke Hol lei schen, Krei s Mi es, Sudeten Germany
 exx unknown
 eyd unknown
 fa Mansfel d AG, Hettstedt, Sudharz
 faa Deutsche Waffen- u. Muni ti onsfabri ken AG, Karl sruhe
 fb Mansfel d AG, Rothenburg pl ant, Saale
 fc Mansfel d AG, Al stedt pl ant, Thuri ngi a
 fck unknown
 fco Sendl i nger Opti sche Gl aswerke GmbH, Berli n-Zehl endorf
 fcv unknown

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fd Stolberger Metallwerke AG (formerly Asten, Lynen & Schlicher), Stolberg
 fde Dynamit AG (formerly A. Nobel & Co.), Forde plant
 fe unknown
 fee Augsburger Waagenfabrik, Ludwig Pfisterer, Augsburg
 feh unknown
 fer Metallwerke Wandhofen, Schwerte, Westphalia
 feu unknown
 ffo unknown
 fko unknown
 fkx Gustav Sudbrack, Lederwaren u. Gamaschenfabrik, Bielfeld
 flp unknown
 fnh Bohmische Waffenfabrik, Strkonitz plant, Prague
 fnk unknown
 fnq unknown
 fpx Schaffer & Budenberg, Magdeburg-Buckau
 fqn Vereinigte Leichtmetallwerke, Hannover-Linden
 fra Draht- und Metallwarenfabrik GmbH, Salzwedel
 frp Stahlwerke Harkot-Eicken, Hagen, Westphalia
 fsx Albin Scholle, Lederwarenfabrik, Zeitz
 ftc Frost & Jahnelt, Breslau, Czechoslovakia
 ftf unknown
 fue Skodawerke, machine shop, Dubnica plant, Czechoslovakia
 fuu Strube GmbH, subsidiary of Polte, Magdeburg
 fva Draht- u. Metallwarenfabrik GmbH, Salzwedel
 fwh Norddeutsche Maschinenfabrik GmbH, main office, Berlin
 fwr Optische Anstalt Saalfeld GmbH, Saalfeld
 fwz Eisen- u. Emaillierwerke Wilhelmshutte (iron and enamel works), Sprottau-Wilhelmshutte
 fxa Eisenacher Karosseriewerke Assman GmbH, Eisenach (chassis plant)
 fxo C. G. Haenel, Waffen- u. Fahrradfabrik, Suhl
 fxp Hans Kollmorgen, Optische Anstalt, Berlin
 fyd Skodawerke, Adamsthal plant
 fze Waffenfabrik Holler, Solingen
 fzs Waffenfabrik Heinrich Kriehoff, Suhl
 ga Hirsch, Kupfer- u. Messingwerk AG, Finow
 gal unknown
 gaq Otto Stephan, Leder- u. Lederwarenfabrik, Muhlhausen
 gau Sudhaus & Sohne, Iserlohn
 gb Vereinigte N. Werke, Schwerte
 gbc unknown
 gbd unknown
 gbv Witte & Co., Velbert
 gcd unknown
 gcw Gohring-Hebenstreit, Radebeul near Dresden
 gcx Karl Brettschneider, Mahr.-Schonberg
 gcy unknown
 geu Kuhbier & Co., Präzisionsprestücke (precision stampings), Wipperfurth
 gfg Karl Hepting & Co., Leder- u. Gurtel fabrik, Stuttgart
 ggb I. G. Königshutte u. Laurahutte Kattowitz, main office, Rochling, Königshutte, OS
 ggk unknown
 ghf Fritz Kiess & Co., GmbH, Waffenfabrik, Suhl
 ghp Ruf & Co., Optische Werke Kassel, Hessen-Nassau
 ghx unknown
 gil Auto-Union, Spandau plant
 gjd unknown
 gjh Rudolf Conte, Nachf. Theodor Seibold, Fabrik für Lederwaren, Offenbach on the Main
 gjk unknown
 gk Mansfeld AG, Hettstedt, Sudharz

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gmo Rahm & Kampmann, Lederwarenfabrik, Kaiserslautern plant
 gn Aug. Wellner, Aue, Saxony
 gon unknown
 gpe unknown
 gpt unknown
 gqm unknown
 grk unknown
 grz Gebr. Kruger, Lederwarenfabrik, Breslau, Czechoslovakia
 gsb Rheinmetall-Borsig, branch-office Liege, operated by Loewen
 (formerly S. A. des Ateliers de la Dyle)
 gsc S. A. Belge des Mecanique et de L Armement,
 Monceau-sur-Sambre, Belgium
 gtb J. F. Eisfeld GmbH, Pulver- u. Pyrotechnische Fabriken,
 Guntersberge plant
 gug Ungarische Optische Werke AG, Budapest, Hungary
 guj Werner D. Kuhn, Optische Industrie, Berlin-Steglitz
 gum Bergisch-Markische Eisenwerke, Velbert, Rheinland
 gut Walter Schurmann & Co., Lederwarenfabrik, Bielefeld
 guy Werkzeugmaschinenfabrik Oelikon, Buhle & Co., Zurich,
 Switzerland
 gvj Ruhrstahl AG, Gelsenkirchen
 gvm unknown
 gxx unknown
 gxy Klinge, Lederwarenfabrik, Dresden-Lobtau
 gyf DEW, Bochum plant
 gyo Hans Dinkelmaeyer, Lederwarenfabrik, Nurnberg
 gyu unknown
 gyx unknown
 gyy unknown
 gyz unknown
 gzf Westfalische Eisen- u. Blechwarenwerke, Siegen
 ha Treuenbrietzen Metallwarenfabrik GmbH, Sebaldshof plant
 ham Dynamit AG (formerly A. Nobel & Co.), Hamm plant
 has Pulverfabrik Hasloch, Hasloch on the Main
 hbg Alfred Schwarz AG, Metallwerk Frodenburg on the Ruhr,
 Eisenach plant
 hbu Heinrich List, Elektrotechnik u. Mechanik, Teltow & Steglitz
 hck Georg A. Lerch GmbH, Lederwaren u. Stanzwerk (leather goods
 and stamping), Mettmann, Rheinland
 hdk unknown
 hdt Markischer Metallbau, Oranienburg
 hdv Optische Werke Osterode GmbH, Osterode, Harz
 hen unknown
 hew Ing. F. Janecek, Waffenwerke, Prague
 hn Becker & Co., GmbH, Militar- u. Feuerwehrausrustungen
 (military and firefighting equipment), Berlin
 hgs W. Gustav Burmeister, Pyrotechnische Fabrik u.
 Signalmittelwerk (fireworks and pyrotechnics),
 Hamburg
 hgu unknown
 hhc Union Gesellschaft f. Metallindustrie, Sils van de Loo &
 Co., Frodenberg plant
 hhg Rheinmetall-Borsig AG, Tegel plant
 hhj unknown
 hhr unknown
 hhu Metallwarenfabrik Schmal kal den
 hhv Steyr-Daimler-Puch AG, Nibelungen plant, St. Valentin,
 Austria
 hhw Metallwerke Silberhutte GmbH, Andreasberg, Harz
 hhx unknown
 hhy unknown
 hhz Rochlingwerke, Volklingen
 hjg Kimmach & Brunn, Fabrik fur Heeresausrustung, Kaiserslautern

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hjh Karl Ackva, Lederfabrik, Bad Kreuznach
 hkm Karl Braun AG, Optische Industrie, Nurnberg
 hla Metallwarenfabrik Treuenbrietzen GmbH, Sebal dushof plant
 hlb Metallwarenfabrik Treuenbrietzen GmbH, Sel terhof plant
 hlc Zieh- u. Stanzwerk (wire pulling and stamping), Schleusi ngen
 hld Metallwarenfabrik Treuenbrietzen GmbH, Belsig plant
 hle Metallwarenfabrik Treuenbrietzen GmbH, Roderhof plant
 hlu unknown
 hlv Maury & Co., Lederwarenfabrik, Offenbach on the Main
 hly unknown
 hnx Walter KG, Kiel, Kiel plant and Tannenberg plant
 hre unknown
 hrk unknown
 hrl unknown
 hrn Pre werk Metgethen, East Prussia
 hta unknown
 htg Pol te Armaturen- u. Maschi nenfabriken AG, Duderstadt plant,
 Westphal ia
 htl unknown
 htq Junghanswerke, Schwenni ngen plant
 hwd Westfal ische-Anhal ti sche Sprengstoff AG, Herrenwal d plant
 Astra-Werke,
 Chemnitz
 j unknown
 ja Schmol e, Menden
 jan Deutsche Versuchsanstalt fur Luftfahrt, Berlin-Adlerhof
 jba A. Wunderlich Nachf., Fabrik fur Heeresausrustung (factory
 for military equipment), Berlin-Neukolln
 jfp Dr. Karl Leiss, Optische Mechanische Instrumente, Berlin-
 Steglitz
 jfs Junkers, Magdeburg di vi si on
 jhg Gustav Genschow & Co., AG, Lederwarenfabriken,
 Alstadt-Hachenburg
 jhv Metallwaren, Waffen- und Maschi nenfabrik AG, Budapest
 Hungary
 jkg Koni gl. Ungar. Staatliche Eisen-, Stahl - u. Maschi nenfabrik,
 Budapest
 jkh Karl Busse, Ausrustungsgegenstande (equi pment), Mai nz
 jlj Heereszeugamt Ingolstadt
 jln Deutsche Lederwerkstätten GmbH, Pirmasens
 jme Armeemari nehaus Berlin, Berlin-Charl ottenburg
 jmh unknown
 jnh Hensoldt Werke fur Optik u. Mechanik, Herborn, Di l l kreis
 jnk Conti, Hannover
 jnw Eisenwerk Steel e, Essen-Steel e
 joa Dresdner Koffer- u. Taschenfabrik, Karl Hei ni chen, Dresden
 jrr Junghans, Renchen plant, Baden
 jrs Junghans, branch offi ce, Vi enna
 jry Hermann Herol d, Olberhai n
 jsd Gustav Rei nhard, Lederwarenfabrik, Berlin
 jse Metallwerke Zoblitz AG, Zoblitz
 jtb S. A. Tavarro, Ghent, Bel gi um
 jtt unknown
 jua Danuvia Waffen- u. Muni tionsfabriken AG, Budapest, Hungary
 jut Verei ni gte Wi ener Metallwerke, Vi enna
 jvb unknown
 jvd unknown
 jve Optische Werke Ernst Ludwi g, Wei xdorf, Anhal t, Saxony
 jvf Wi l hel m Brand, Trei bri emenfabrik (dri vi ng bel t factory),
 Hei del berg
 jwa Moritz Stecher, Lederwerk, Frei burg
 jwh Manufacture d Armes Chatel leraul t, Chatel leraul t, France
 k Firma Luch & Wagner, Suhl
 ka Gerhardi & Co., Ludenschei d, Westphal ia

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kam Hasag, Eisen- u. Metallwerke GmbH, Skarzysko Kamienna
 kaw unknown
 kbg Erwin Backhaus, Remscheid
 kce Schneider & Co., Le Creusot, France
 kdj unknown
 keb Manufacture d Armes Nationale de Levallois, Paris
 kfa Staatliches Arsenal, Sarajevo, Yougoslavia
 kfb unknown
 kfg Staatliches Arsenal, Sarajevo, Yugoslavia
 kfk Dansk Industrie Syndicat, Copenhagen, Denmark
 kjj Askania Werke AG, Berlin-Friedenau
 kjl unknown
 kkd Wilhelm Stern, Lederwarenfabrik, Posen
 knn unknown
 klb J. F. Eisfeld GmbH, Kieselbach plant
 kle Steyr-Daimler-Puch AG, Warsaw plant, Poland
 klg Przemot, Prziisions Metallverarbeitung, Litzmannstadt
 kls Steyr-Daimler-Puch AG, Warsaw plant, Poland
 koz unknown
 kgd Junghans, Montagestelle, Exbrucke, Elsa
 krd Lignose Sprengstoffwerke GmbH, Kriewald
 krg Emil Busch AG, Optische Werke, Budapest
 krj Messerschmidt, Augsburg
 krl Dynamit AG (formerly Alfred Nobel & Co.), Krummel plant,
 Koblenz
 krq Emil Busch AG, Optische Werke, Rathenow, Brandenburg
 kru Lignose Sprengstoffwerke GmbH, Kruppsmuhle plant
 kry Lignose Sprengstoffwerke GmbH, Kruppsmuhle plant
 ksb Manufacture Nationale d Armes de Levallois, Levallois, Paris
 ksm Junghans, Braunau plant, Sudeten Germany
 ktz Deutsche Sprengchemie, Kietz plant
 kum J. F. Eisfeld, Pulver- u. Pyrotechnische Fabrik GmbH
 kun Lignose Sprengstoffwerk, Kuni gunde plant
 kur Steyr-Daimler-Puch AG, Warsaw plant, Poland
 kus unknown
 kvu Lignose Sprengstoffwerk GmbH, Kruppsmuhle plant
 kwe Gamma Feinmechanik u. Optik, Budapest
 kwn S.A. Fiat, Turin, Italy
 kye Intrepri derile Metalurgie, Pumi tra Voi na Soci etate, Anoni ma
 Romana, Fabrica de Armament, Brasov, Romania
 kyn Astra, Fabrica Romana de Vagone, Motoaene Armament si
 Muniti one, Brasov, Romania
 kyo Intrepri derile Metalurgie, Pumi tra Voi na Aoci etate, Anoni ma
 Romana, Fabrica de Armament, Brasov, Romania
 kyp Rumani sch-Deutsche Industrie u. Handels AG, Budapest
 kza Mauser-Werke, Karl sruhe
 kzn Ki enzle, Dammerki rch plant
 kzu unknown
 la Durener Metallwerke, Duren
 lac Zuchthaus (penitentiary) Coswig, Anhalt
 lae Hei nri ch Zei ss, Gastingen lax Lennewerk Al tena
 ldb Deutsche Pyrotechnische Fabriken GmbH, Berlin plant, Malchow
 ldc Deutsche Pyrotechnische Fabriken GmbH, Cleebronn plant
 ldn Deutsche Pyrotechnische Fabriken GmbH, Neumarkt
 plant, Oberpfalz
 ldo unknown
 lge Kugel fabrik Schul te & Co., Tente, Rheinl and
 lgs unknown
 ljp unknown
 lkc unknown
 lkm Muni ti onsfabri ken (formerly Sellier & Bellot), Vei tsberg
 plant, Prague
 lmg Karl Zei ss, Jena

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lpk unknown
 ltm Metallwarenfabrik Litzmannstadt
 lwg Optische Werke Osterrode GmbH, Freiheit near Ostrrode
 lww Huet & Cie., Paris
 lwx O. P. L. Optique et Precision de Levallois, Levallois, Paris
 lwy Societe Optique et Mechanique de Haute Precision, Paris
 lyf Metallurgia Werke AG, Radomsko, Poland
 lza Mauser-Werke AG, Karlsruhe plant
 ma Metallwerke Lange AG, Aue, Saxony
 mdr Vereinigte Leichtmetallwerke, Bonn
 mhk Metallwerke Schwarzwald AG, Villingen
 mhv Finow Kupfer- u. Messingwerke AG, Finow
 mjr Union Gesellschaft fur Met. Ind., Sils van de Loo & Co.,
 Thorn plant
 mkf Trierer Walzwerk, Wuppertal-Langerfeld
 ml unknown
 mnf VDM Heddernheim, Frankfurt on the Main
 mng VDM Heddernheim, Frankfurt on the Main
 moc Johan Springers Erben, Gewehrfabrikanten, Vienna
 mog Deutsche Sprengchemie, Moschweig plant
 moo Klockner-Werke AG, Dusseldorf plant
 moz Eisenwerk Gesellschaft Maximilianhutte, Maxhutte-Haidhof
 mpp Metallwerk K. Leibfried, Boblingen, Sindelfingen plant
 mpr S. A. Hispano Suiza, Geneva, Switzerland
 mpu unknown
 mpv Schmolz u. Bickenbach, Neuss plant, Dusseldorf
 mpy Klockner-Werke AG, Georgsmarienhutte Osnabruck
 mrb Skodawerke, Prague plant, Smichow
 mrd Huttenwerke Siegerland, Wissen
 mrf Fr. Krupp, Berthawerk AG, Breslau
 mws Munitionswerke Schonebeck
 myx Rheinmetall-Borsig AG, Sommerda plant
 na Westfalische Kupfer- u. Messingwerke AG, Ludenscheid,
 Westphalia
 nas Uhrenfabrik Junghans, Schramberg, Black Forest
 nb Waffenfabrik Kongsberg, Norway
 nbe Hasag, Eisen- u. Metallwerke GmbH, Tachenstocha plant
 nbh Walther Steiner, Eisenkonstruktionen (iron construction),
 Suhl
 nbr Metallwarenfabrik Hubert Prunte, Neheim-Husten
 ncr Krupp-Germaniawerft, Kiel-Gaarden
 ndn Balkan Country under German occupation
 ndr Krupp Essen
 nea Walther Steiner, Eisenkonstruktionen, Suhl
 nec Waffenwerke Brunn AG, V Gurein plant, Prague
 ned Krupp, Essen
 nfw unknown
 nfx Rheinisch-Westfalische Munitionsfabriken GmbH, plants in
 Warsaw and Prague
 ngk Dr. Grasse
 nhr Rheinmetall-Borsig AG, Sommerda plant
 nmn Konigs- u. Bismarckhutte AG, Walzwerk Bismarckhutte-OS
 (rolling mill)
 nn unknown
 nrh unknown
 ntf unknown
 nwk Heinrich List, Rheinau, Elsa
 nxc unknown
 nxr Anschutz & Co., Kiel-Neumuhlen
 nyv Rheinmetall-Borsig AG, Unterlass plant
 nyw Gustloff-Werke, Otto Eberhard, Meiningen plant
 oa Eduard Huck, Metallwalzwerk, Ludenscheid
 oao Anschutz, Kiel-Neumuhlen

obn Hagenuk, Reichenbach plant
 ocw Heinrich List, Berlin-Steglitz
 odg Deutsche Sprengchemie, Oderberg plant
 oes Karl Diehl, Peterswaldau
 ols Union Ges. für Metallindustrie, Sils van de Loo,
 Auschwitz plant
 ona unknown
 oss unknown
 oxo Teuto-Metalwerke GmbH, Osnabruck
 oyd unknown
 oyj Atelier de Construction de Tarbes, France
 p Ruhrstahl, Brackwede
 p Polte Armaturen- u. Maschinenfabrik AG, Magdeburg, Saxony
 pad T. Bergmann & Co., Bernau plant, Berlin
 pcd T. Bergmann & Co., Bernau plant, Berlin
 pjg Haerens Ammunitionarsenal et, Copenhagen, Denmark
 pla unknown
 pmf unknown
 pmt unknown
 pmu unknown
 pvf Optische Werke O. Reichert, Vienna
 qa William Prym, Stolberg, Rheinland
 qlv unknown
 qnv unknown
 qrb Pyrotechnische Fabrik, Bologna, Italy
 qve Karl Walther, Zella-Mehlis, Thuringia
 r Westfälische-Anhaltische Sprengstoff AG, Reinsdorf
 plant
 ra Deutsche Messingwerke, C. Eveking AG, Berlin-
 Niderschonweide
 rde unknown
 rdf unknown
 rfo unknown
 rhs unknown
 rln Karl Zeiss, Jena
 rrk unknown
 rtl unknown
 s Dynamit AG (formerly A. Nobel & Co.), Lumbrays plant
 she unknown
 skd Selve-Kornbiegel-Dornheim AG, Suhl plant
 suk unknown
 sup unknown
 svw Mauser-Werke, Oberndorf on the Neckar
 swp Waffenwerke Brunn AG, Brunn, Czechoslovakia
 t Dynamit AG, Troisdorf plant
 ta Durener Metallwerke AG, Berlin-Borsigwalde
 tjk unknown
 tka unknown
 tko unknown
 tpk unknown
 tpn unknown
 tvw unknown
 ua Osnabrucker Kupfer- u. Drahtwerke AG, Osnabruck
 unt unknown
 uxa unknown
 va Kabel- u. Metallwerke Neumeyer AG, Nurnberg
 vs unknown
 vso unknown
 vys unknown
 vzg Vereinigte Zunder- u. Kabelwerke, Meissen
 w Gesellschaft zur Verwertung Chem. Erzeugnisse,
 Wolfshausen plant
 wa Hasag, Hugo Schneider AG, Lampenfabrik, Leipzig

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wc Hasag, Hugo Schneider AG, Meuselwitz plant, Thuringia
 wd Hasag, Hugo Schneider AG, Taucha plant
 we Hasag, Hugo Schneider AG, Langewiesen plant
 wf Hasag, Hugo Schneider AG, Kieltal plant, Poland
 wg Hasag, Hugo Schneider AG, Altenburg plant
 wh Hasag, Hugo Schneider AG, Eisenach plant
 wj Hasag, Hugo Schneider AG, Oberweissbach plant
 wk Hasag, Hugo Schneider AG, Schlieben plant
 wn Hasag, Hugo Schneider AG, Dernabach plant, Thuringia
 wtf unknown
 x unknown
 xa Busch & Jager, Ludenscheider Metallwerke, Ludenscheid
 y Jagdpatronen, Zundhutzen- u- Metallwarenfabrik AG,
 Nagyteteny plant, Budapest
 ya Sachsische Metallwarenfabrik, August Wellner & Sohn, Aue,
 Saxony
 zb Kupferwerk Ilseburg AG, Ilseburg, Harz

NUMBER CODES

P 25 unknown
 27 B. Geipel GmbH, Waffenfabrik Erma, Erfurt
 P 28 Waffen- u. Munitionsfabrik, Karlsruhe plant
 P 34 unknown
 42 Mauser-Werke, Oberndorf on the Neckar
 R 42 Mauser-Werke, Oberndorf on the Neckar
 S 42 Mauser-Werke, Oberndorf on the Neckar
 S 42G Mauser-Werke, Oberndorf on the Neckar
 P 67 H. Uttendorfer, Munitionsfabrik, Nurnberg
 P 69 Selier & Bellot, Schonebeck on the Elbe
 P 94 Kabel- & Metallwarenfabrik Neumeyer AG, Nurnberg
 P 120 Dynamit AG, Empelde plant Hugo Schmeisser
 P 131 DWM-Werk, Borsigwalde
 P 132 unknown
 P 151 Rheinisch-Westfalische Sprengstoffwerke,
 Nurnberg-Stadeln
 P 153 unknown
 P 154 Polte, Luneburg
 P 162 unknown
 P 163 unknown
 P 181 Schneider AG, Altenburg
 P 186 unknown
 P 198 Metallwarenfabrik Treuenbrietzen, Belzig, Mark
 P 207 Metallwarenfabrik Odertal GmbH, Odertal
 P 224 unknown
 237 Mauser-Werke, Oberndorf on the Neckar
 P 249 Finow Industrie GmbH, Finow
 P 265 unknown
 P 287 unknown
 P 315 Marisches Walzwerk GmbH, Stramberg
 P 316 Westfalische Metallindustrie, Lipstadt
 P 327 unknown
 P 334 Mansfeld AG, Rothenburg, Saale
 P 340 Metallwarenfabrik Silberhutte, St. Andreasberg
 P 345 unknown
 P 346 H. Huck Metallwarenfabrik, Nurnberg
 P 369 unknown
 P 370 unknown
 P 379 Scharfenberg & Teubert, Breitung
 P 382 unknown
 P 397 unknown
 P 398 unknown
 P 400 unknown

- P 405 Dynami t AG, Durl ach
- P 413 unknown
- P 414 unknown
- P 416 unknown
- P 417 unknown
- P 442 unknown
- P 457 unknown
- 480 Carl Walther, Zella-Mehlis
- P 490 unknown
- P 491 unknown
- P 635 Muni tionfabri k Wollersdorf, Vienna
- 660 Steyr Daimler-Puch AG, Steyr, Austria
- 925 Mauser-Werke, Oberndorf on the Neckar
- 945 Waffenfabrik Brunn AG, Brno, Czechosl ovaki a

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Another P-17 story!
 by Steven L. Ashe (Steve@mcq.com)

The tale from the June issue about the left handed '03 reminded me of my first purchase of a high powered rifle.

In 1964, I returned home from the Army with no money and a serious desire to slay groundhogs all summer and whitetail deer in the fall. I found what I know now was a pristine US Model of 1917 Rifle, in a downtown Baltimore hock shop for \$12.00. I promptly threw away the walnut stock and mounted the entry level Monte Carlo from Fajen. Then had the barrel shortened and the rear sight sheared. Mounted a 4x scope and became the bane of the groundhog population of Balto. County. nobody told me than that the 30-06 was not a varmint rifle or that I needed to glass/pillar bed the stock and mount a 20 lb. bull barrel, Hell I was killing whistle pigs and that was enough. I had grown up hunting groundhogs. They were our big game, as the deer weren't even legal until 1948, having been re-established with hunters money, the herds were on there way back around here by the mid '60's. I worked up a load using 110 gr. bullets and was reaching out to the, for me, unheard of range of just beyond 200 yds. Well, prosperity caught up with me when I started reading about the .243 Win. and what a supreme combo round it was in terms of a varmint/whitetail collector. I put an ad in the Baltimore Sun for my 30-06 rig to sell it for \$100. The first young man who looked at it forked over the C note and it was gone from me forever. But like you, I've yearned to have it back, and maybe have back some of the innocence of youth too, when not knowing a whole lot didn't matter much and just being able to go out on an afternoon and rid the land of a few pesky groundhogs was enough.

The Tale of the Shot Out Mauser
 by -- Kyrie KYRIEELLI S@aol.com

Back in the summer of 1989, Paragon advertised M98k Mauser in 30/06. These were the Norwegian capture rifles from WWII, converted

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to 30/06 by Norway. Paragon offered these rifles for \$200, or \$150 if one didn't mind one which had been drilled and tapped for a peep sight. Condition was advertised as "good to very good, \$10 for special selection".

So off went my order for one of the \$150 rifles.

When it arrived and I drew it from the box I was quite happy - it looked to be in nice shape. It had been renumbered (all of the parts had original matching numbers except for the bolt), and all of the new numbers matched.

And then I looked at the bore, and my heart fell into my shoes. To say that the bore looked like sewer pipe would be an insult to every drain in America. Very worn, very dark, very pitted. The last six inches or so of bore had only traces of rifling.

So I called Paragon and tried to "trade up". No dice - they were sold out. They was willing to take the rifle back and refund my money, but could not replace the rifle. Then the fellow at Paragon mentioned that they had brand new, proofed and blued, M98k barrels in 30/06. And that, under the circumstances, he would sell me one for \$10.00...

So I bought the new barrel and tucked the old soldier into the back of the safe until the barrel arrived and I could get it rebarreled.

I had to go out that to the range that weekend to do some load development for a Ruger M77 in 30/06, so I thought "What the hell - let's see if the M98k will even print on paper.". I set up at 50 yards, and found that I had to set the rear sight to 200 meters to bring the bore on line with the target. The first shot from the M98k was not only on paper, it was about one-half inch from dead center. I thought to myself "Now there is pure, blind luck. Wonder if I can do it again?" I then fired four more rounds, none of which appeared anywhere on the paper. Ah well, I hadn't expected much else.

When I went down to pull the targets I found the other four rounds - all were almost exactly through the same hole as the first round! Group size (edge to edge) was .35 inches.

At this point the Ruger was cased and forgotten. I spent the rest of the day shooting the M98k at 50 and 100 yards. The largest group was under an inch, with the average group running a little less than a half inch.

Great Godfrey, what a rifle. I can't imagine what it shot like when the bore was new! Over the next six months I won enough bets to pay for the rifle. I'd run into someone with a brand new, commercial, rifle and strike up a conversation about how "they don't make 'em like they used to", and how "this here old gun probably shoots better than your new one". One look at the bore on that M98k and most folks would tell me to put my money where my mouth was. I was even getting odds!

Word eventually got around and folks wouldn't bet me anymore. Even worse - they all started showing up with Mausers!

No way I'm going to bet against a Mauser...

Hunter's Lodge Update
by -- Leyteno@aol.com

After all of my complaining about lousy service, crappy items, overgrading etc. I

got 2 PCs

quick release trigger guard assemblies w/o follower or spring today in the post. They were in

excellent condition with nary a pit/gouge or scratch and heavily coated with a malodorous preservative that reminded me of a cheap Manila Bordello. Numbers and acceptance marks were clear and sharp although I suspect they may have had an arsenal reblue a very long time ago. I got one each for 93/16 mosqueton ,and 95 rifle.

Both are now soaking in solvent but are both easily operated . The release button is forward of the

trigger guard and might use a bit of reshaping. Perhaps someone in the company is tapped in to

our newsletter and saw some of the less than kind remarks we made about them. On the down side, it took two months to get here. GPC is still in my bad books

for the piece of junk the sent me for twice the money(plus the wrong safety)

Publisher's Comments - by WClark1046@aol.com (Ward M. Clark)

What a month! First, I apologize for the newsletter being a bit late this month. I upgraded my PC

from 4 to 16 meg RAM and added a CD-ROM and sound card, but somewhere in the process

something went wrong and the motherboard went ka-blooeey. It was ten days and several hundred

dollars later, but I am now back in business! Now, does anyone know where I can get a 1.2 gig hard drive cheap?

I posted another message in the rec.guns board, and JASPAR@aol.com kindly gave me a bit of

space in his newsletter, P.O.T.S.H.O.T.S, for another ad for the newsletter. (P.O.T.S.H.O.T.S is

the newsletter from G.U.N.S. - Gun owners Using Network Services - and is and excellent

publication. News about firearms legislation, Second Amendment issues, general gun talk, and so on. I recommend it!)

We now have over 100 new Mauser fans in our ranks, and welcome to all of you. New subscribers

join us from as far away (from Colorado, anyway) as New Zealand and South Africa. This

newsletter is growing fast. Thanks to all who have sent contributions - if your article isn't in this

month, I will try to get it in a future issue. Keep the material coming! I was especially glad to see

lots of Mauser questions come in for the Reader's Comments section. I think that one of the best

purposes this publication could have is to provide a forum for us all to exchange advice, info and

tips. Can you the accumulated Mauser wisdom among all 300+ readers of this newsletter?

Things are going great, and the future of the Mauser Monthly looks very bright!

Good Shooting!

Ward M. Clark
Aurora, Colorado USA