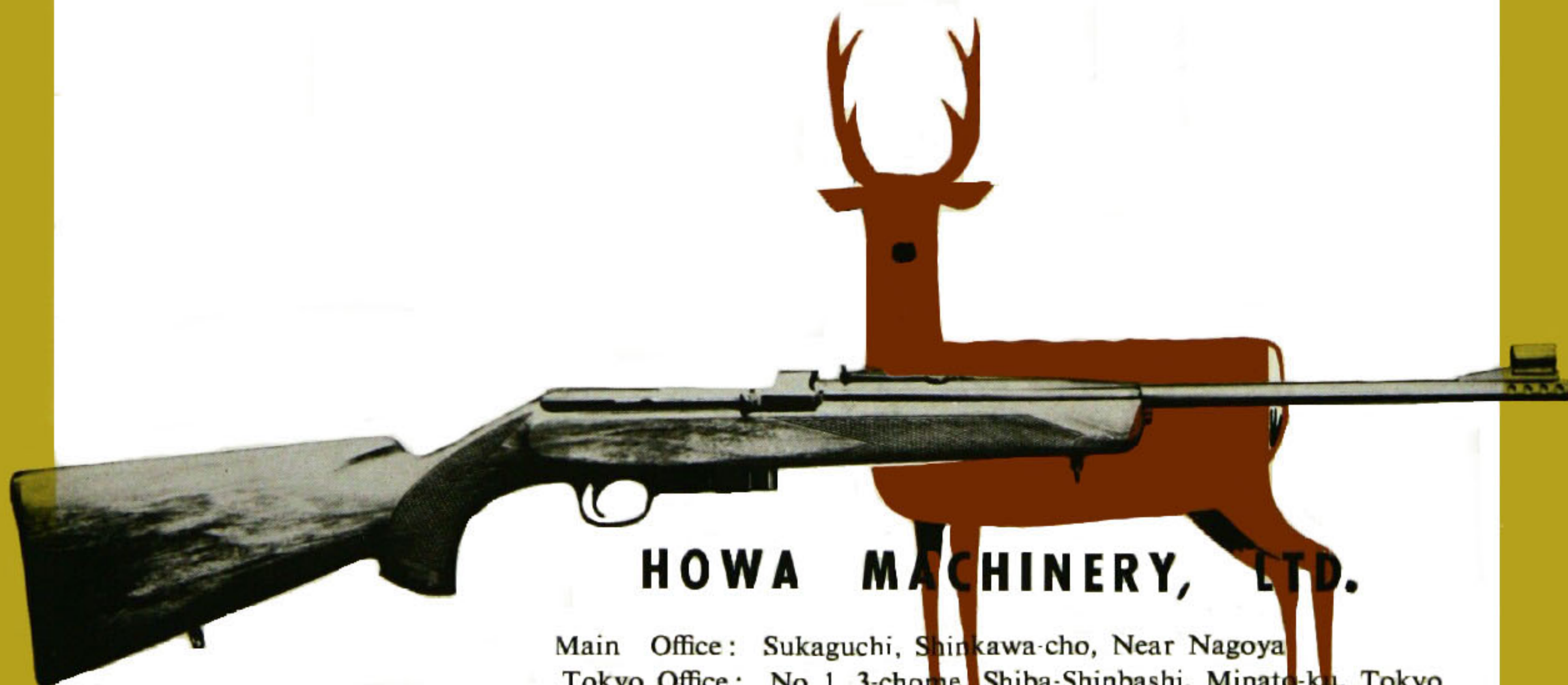


Cal. .30 A. O. A.

HOWA

AUTOLOADING RIFLE

Model. 300



HOWA MACHINERY, LTD.

Main Office: Sukaguchi, Shinkawa-cho, Near Nagoya
Tokyo Office: No. 1, 3-chome, Shiba-Shinbashi, Minato-ku, Tokyo
Osaka Office: No. 35, 3-chome, Kyobashi, Higashi-ku, Osaka

DISASSEMBLY AND ASSEMBLY

BARREL & STOCK

Disassembly: First, take out the magazine, pushing the catch (photo 1), and then turn the plunger (a) to the left about 8 times by hexagon wrench.

Thus you can separate the barreled action from the stock (photo 2).

Assembly: Set the end nose of the receiver into the recoil plate, put the action into the stock, then turn the plunger to the right about 8 times.

TRIGGER HOUSING & RECEIVER

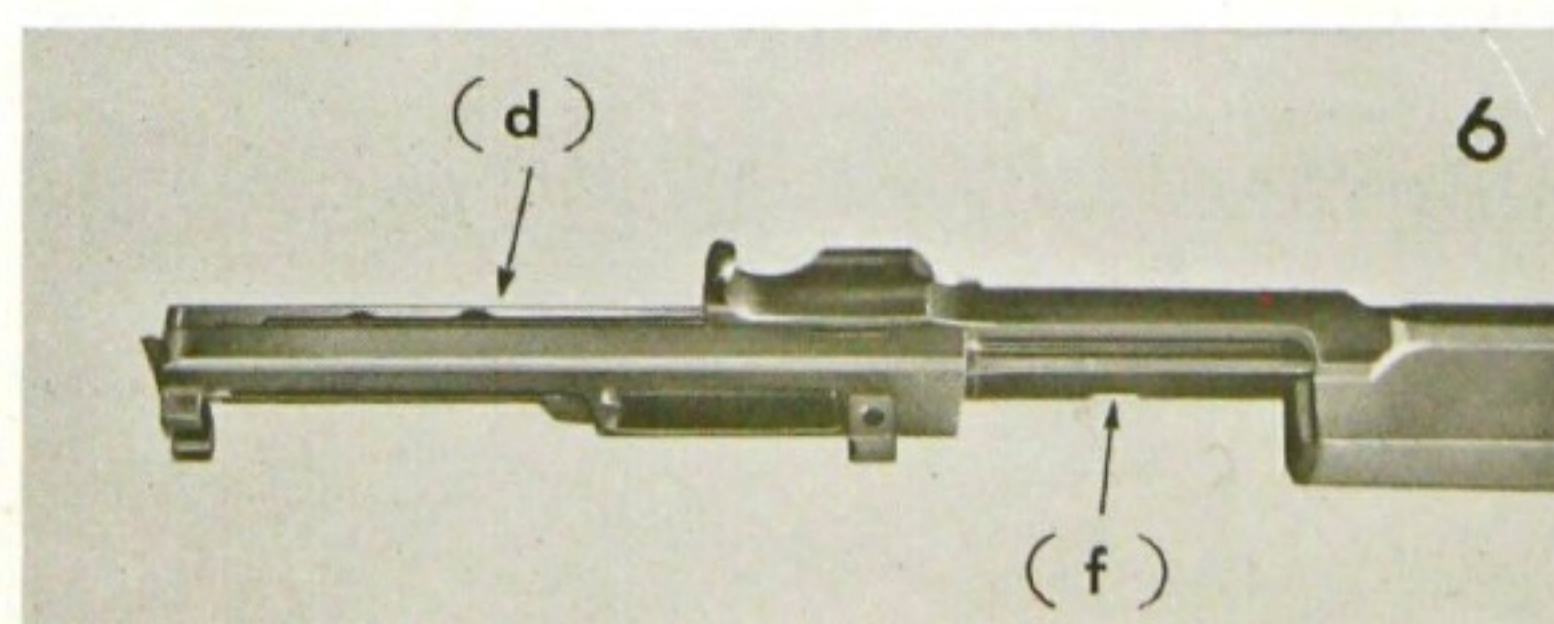
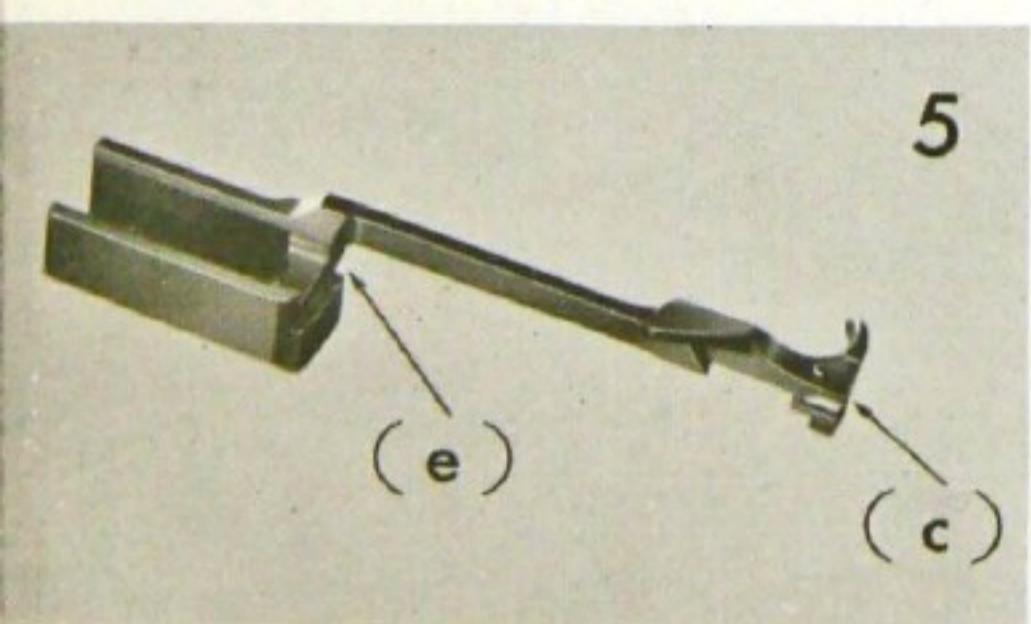
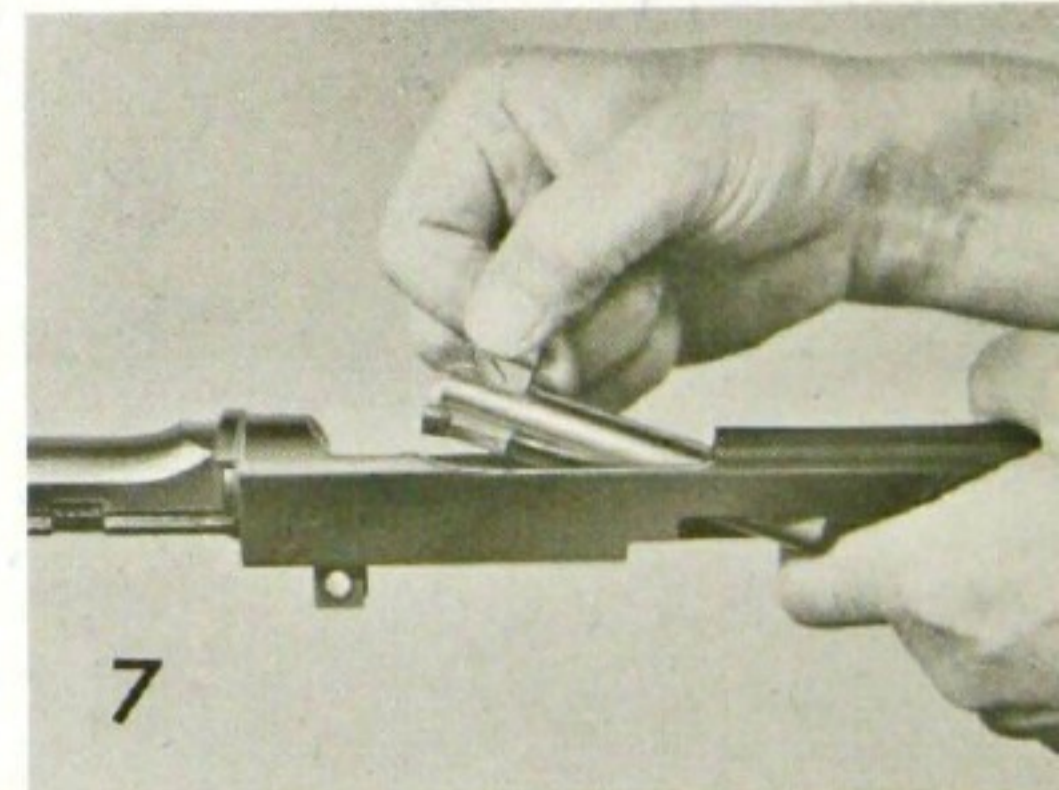
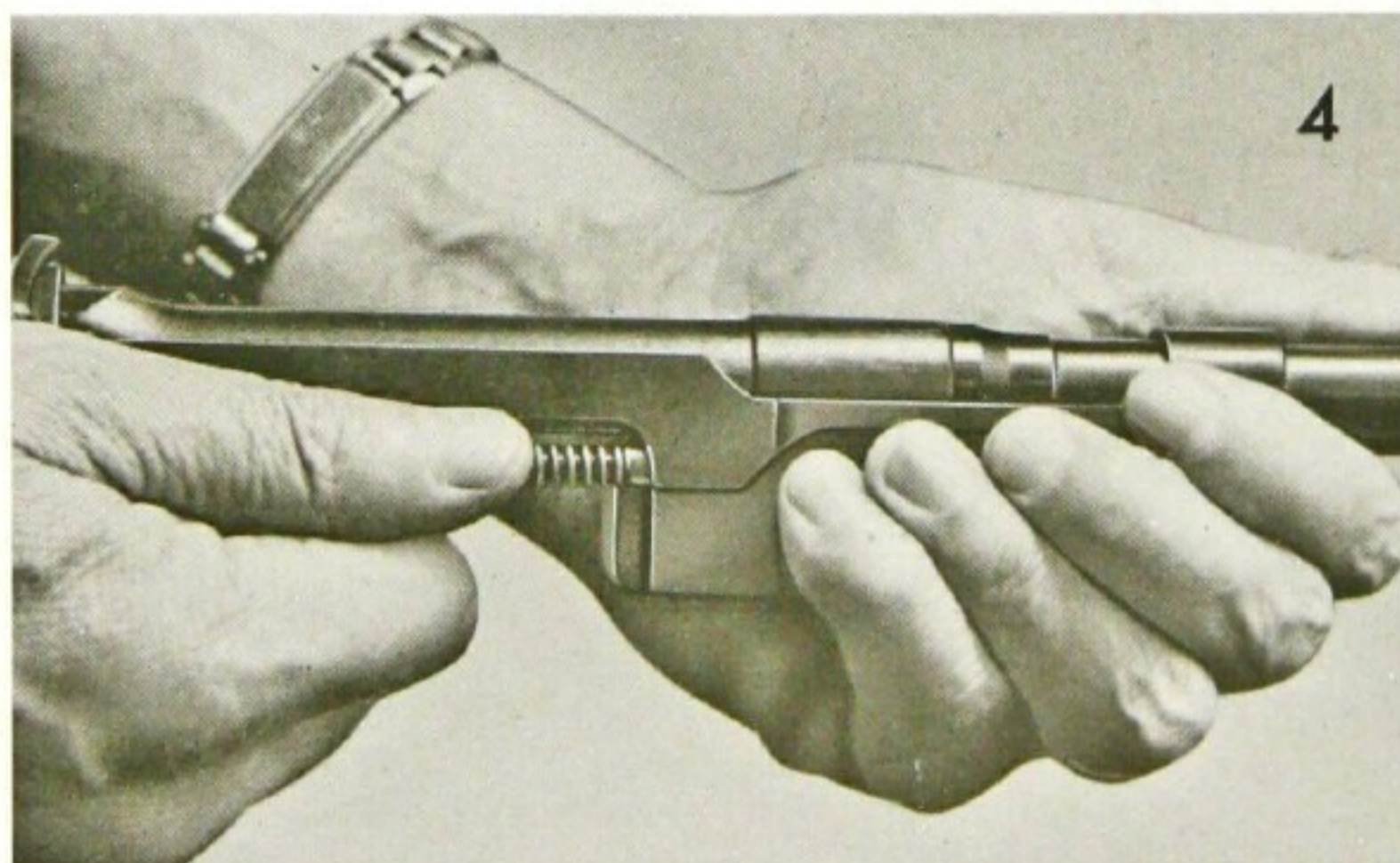
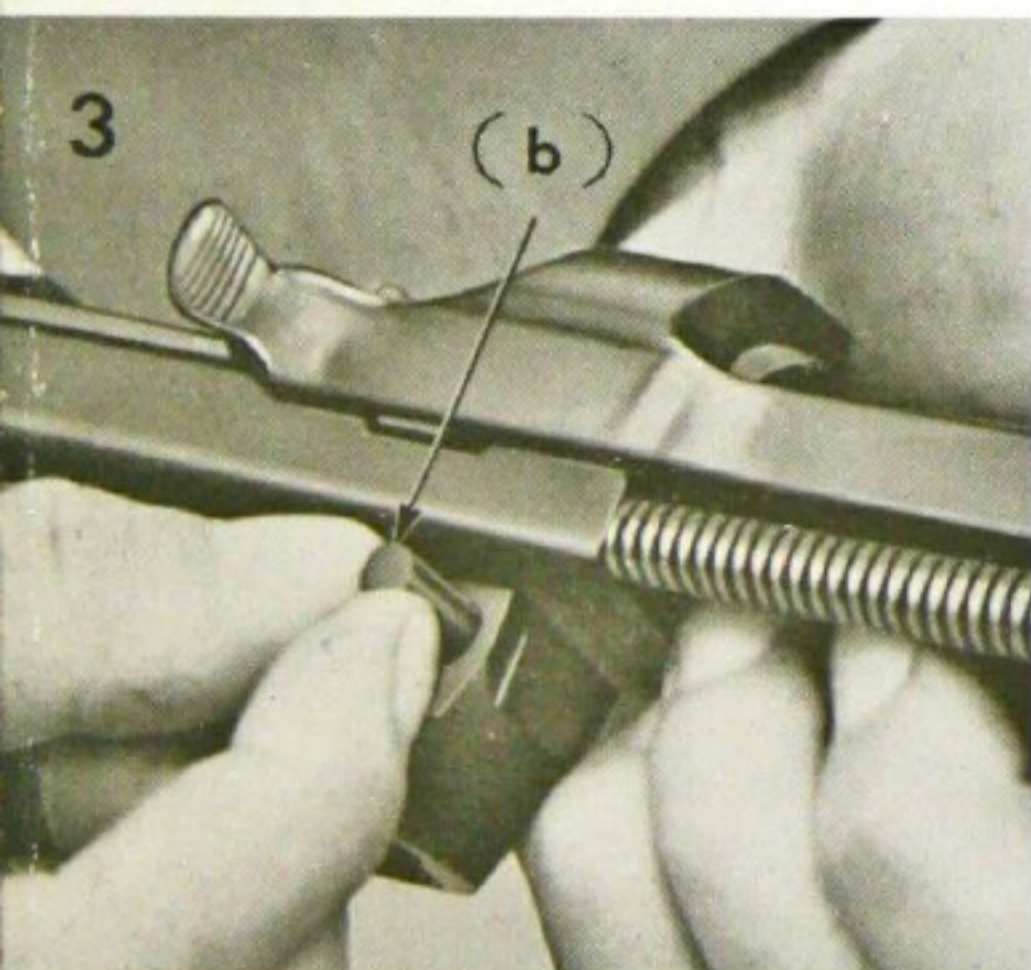
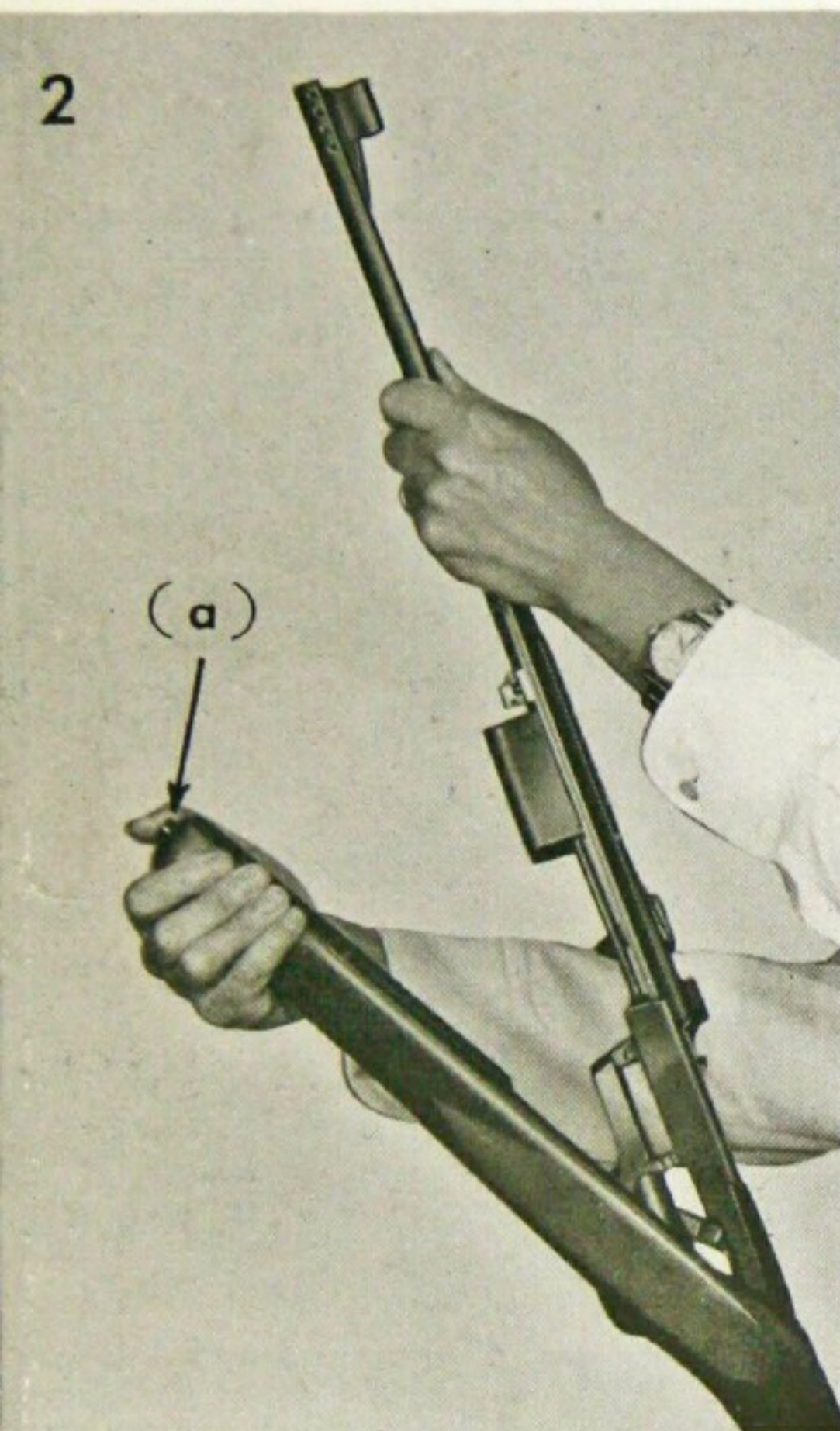
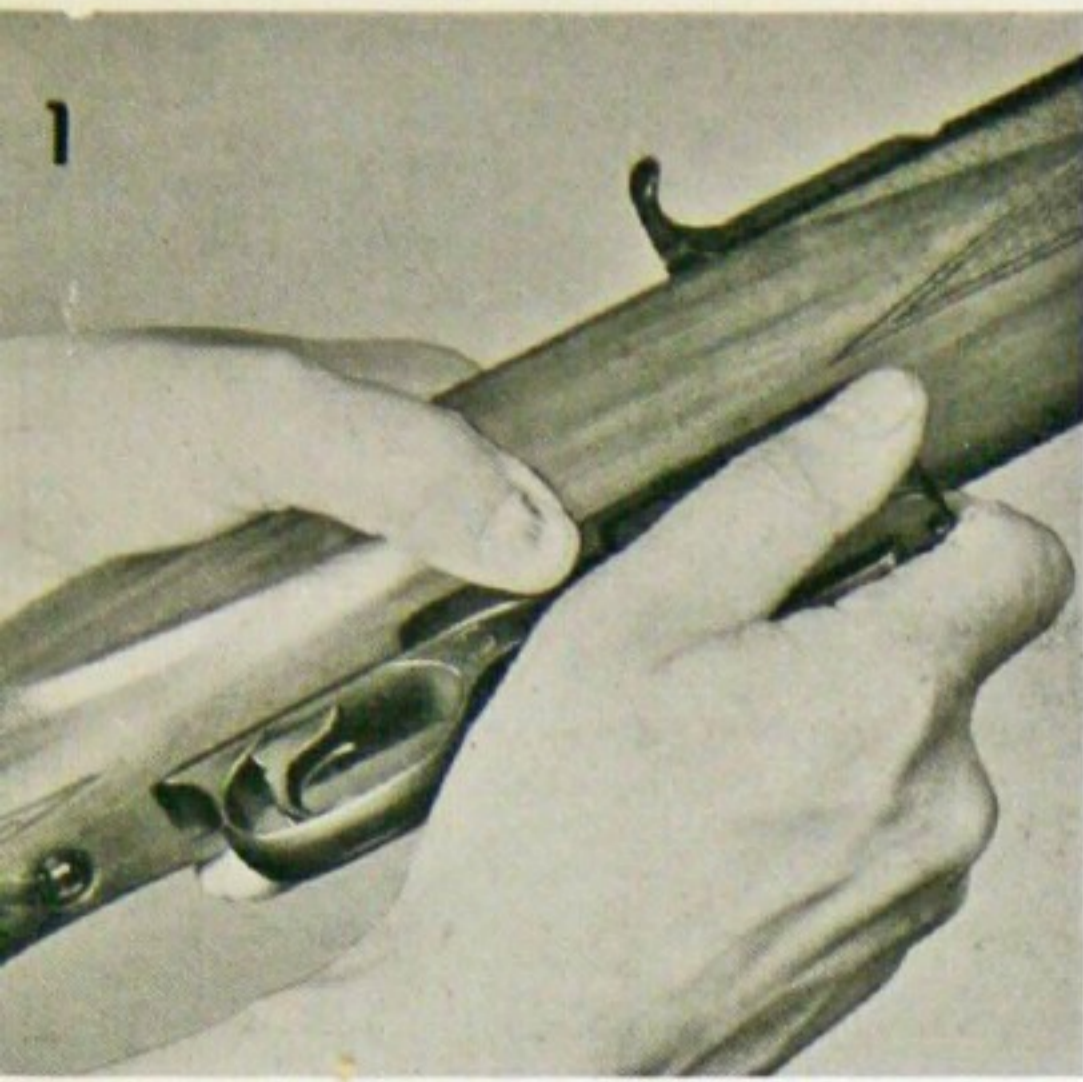
Disassembly: Cock the hammer, pulling the slide and push out the pin (b) of the trigger housing (photo 3), then remove the housing drawing rearward from the receiver.

Assembly: Cock the hammer, then reverse the procedure of disassembly.

SLIDE & BOLT

Disassembly: (1) Take off the barrel cover (by loosening the screw). (2) Draw back the spring and guide, then remove them by pulling to the right side from the slide (photo 4). (3) Pull the slide rearward until point (c) of the slide meets with point (d) of the receiver (photo 6) and pull up the handle of the slide to the right, removing point (c) from point (d). Then set point (e) (photo 5) to point (f) of the barrel (photo 6), twist the slide to the left, and the slide will be separated from the receiver. (4) Pull up the bolt, twisting the bolt head counter-clockwise as shown in photo 7, then pull forward the bolt at the point shown in photo 8.

Assembly: Reverse the procedure of disassembly.



HANDLING

SAFETY

Safety mechanism is of cross-bar type. It is in firing position when red warning marked groove can be seen at the button. At all times, keep the rifle in 'safety' and release it just prior to firing. In all cases, make it a rule to load at 'safety' (photo 3). Manipulation of safety button is shown in photos 1 and 2.

USE OF SLIDE STOP

Pull the slide (a) rearward to its maximum, then release it a little and push down the stop pin (6) into the hole (c) of the receiver, and the slide will be stopped. Operate this movement at 'safety' to prevent any accident due to homing of slide by shock. For releasing, pull the slide again fully to the end of stroke and then let it home forward.

MAGAZINE LOADING

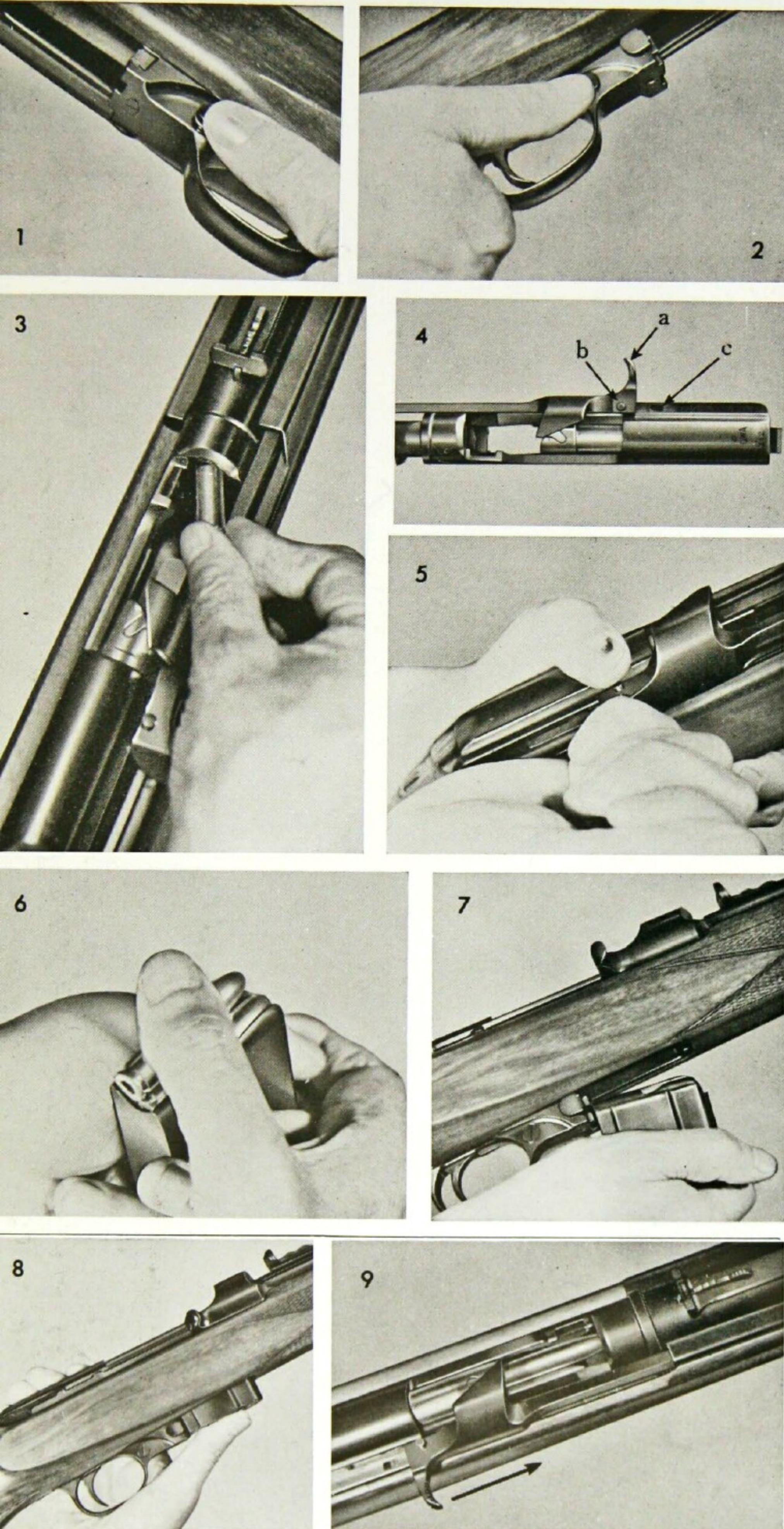
Load cartridges evenly one by one with balanced appliance of fingers (Photo 6). Precaution must be taken for prevention of bullet head damage.

MAGAZINE INSERTION

Push the magazine thoroughly into the magazine-well so that it is completely latched by the magazine catch.

LOADING

Place the rifle at 'safety'. Then, pull the slide fully rearward and release it swiftly, and the slide will lock the breech with containing cartridge. Prior to firing, make certain that the slide has locked, and, if not, apply forward pressure to slide with hand for perfect locking. Now, the gun is ready to fire.



CLEANING

Clean the rifle as soon as possible after firing.

- (1) Wipe off gas-stains, mud and water drops
- (2) Clean the chamber and bore by
 - (a) Washing with hot water
 - (b) Thoroughly wiping with cloth
 - (c) Appliance and rubbing with gun oil

Note: 1) Always have the gas-cylinder turned up for prevention of water and oil from flowing into the piston chamber through the gas port.

2) Prevent excess appliance of gun oil

Cal. .30 A. O. A.

HOWA AUTOLOADING RIFLE MODEL 300

BRIEF HISTORY OF HOWA MACHINERY, LTD.

Our Company was established in February 1907 under the name of "The Toyoda Loom Works, Ltd." Since establishment, we have contributed very much towards the rapid progress of Japanese textile industry. We have not only supplied our products to practically every spinning-weaving mills in Japan but exported to many foreign countries. In 1954, technical collaboration agreement was negotiated between Textile Machinery Corporation Ltd. of India and our Company for the purpose of producing and installing in India TEXMACO-HOWA products produced by our plant. As additional expansion program, HOWA DO BRASIL S. A. - INDUSTRIA MECHANICA, San Paulo, was established in 1958 for meeting the demands of the Brazilian Government and industrial circles. Meanwhile, in 1945, our name was changed to "Howa Machinery, Ltd." in unison with our multiple management policies of manufacturing firearms, various pneumatic devices, civil engineering equipment, automobile com-

ponents, steel & iron products, etc. which accounts for roughly 50% of the total turnover.

Due to our experiences of manufacturing military rifles (Model 99 and Model Arisaka) during World War II under government contract, the post-war government licensed our organization as the exclusive manufacturer of rifles, carbines, automatic weapons, and mortars in Japan. Under this license, we have produced greater part of firearms requirement by Japan Self-Defense Forces.

Under such extensive background and experience, we take the pleasure in furnishing products of modern design and high efficiency developed from our latest technical knowledges for meeting the present-day demand.

Paid-up Capital - ¥ 1,300,000,000.00

HOWA MACHINERY, LTD.

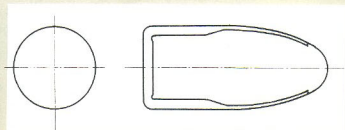
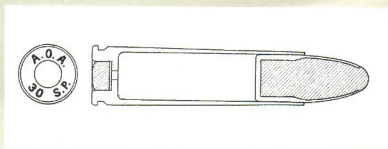
President N. Nozaki

Corrugated
Butt-plate

.30 A.O.A. SOFT POINT CARTRIDGE

As cartridge for exclusive use in "Model 300", we adopted .30 A.O.A. Soft Point produced by Asahi Okuma Arms Co., Ltd., the largest and only manufacturer of small arms ammunition in Japan. With this cartridge, effective killing power and comfortable shooting may be enjoyed against middle sized games such as deer and bears.

By virtue of powerful double-base powder and mushroomed expansion of the lead core upon hitting the animal, it always insures a sure kill. If clean bore prime is used, it will further insure that barrel bore will not corrode easily.



SPECIAL CHARACTERISTICS

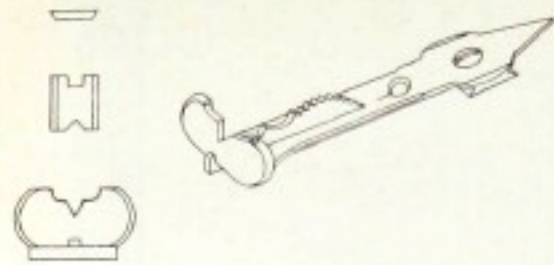
- LIGHT WEIGHT
- SHORT OVER-ALL LENGTH
- SOLIDITY
- ACCURACY
- SOFT RECOIL
- INTER CHANGE-ABILITY OF MAJOR PARTS

STOCK

The Stock is of fine French Walnut, finished with Linseed oil. It has checkered pistol grip, cap and corrugated butt plate. If hand-rubbed with linseed oil, the beauty of the stock is greatly increased.

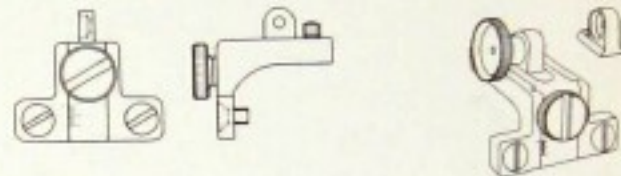
OPEN SIGHT

Due to practical usefulness, open rear sight with "V" notch has been adopted for the standard type sight.



PEEP SIGHT

It is possible to employ our newly designed peep sight in place of the standard open rear sight. In accordance with user's application, two peep sight types are available; (A) for target use and (B) for hunting purpose. Attaching is simple by use of coin for screwing or unscrewing, and adjustment is easy both in and out-doors.



RIFLESCOPE MOUNT (OFFSET TYPE)

Mount is simply and easily installed with a coin. Moreover, due to extreme lightness in weight, it does not affect the balance of rifle. Riflescope of this offset type is installed 1.3 inches up and 0.8 inch left from the center of barrel (shown in the right figure) and it is designed for simultaneous use of riflescope or the open sight. Diameter of scope tube is 1 inch.

Survey Mark



Side

Fore Swivel

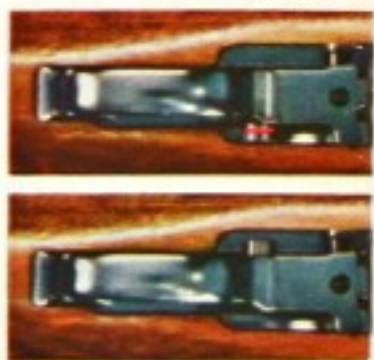
Magazine Stop

Safety Plunger

Pistol Grip

Grip Cap

Rear Swivel



5 shots

MAGAZINE

Detachable box-type magazine. Capacity: 5 shots, with one shot in the chamber making six quick shots possible. Extra 15 shots.

10 shots



TRIGGER & SAFETY DEVICE

Chamber



Bore Dimension

- Groove dia 7.82mm
- Bore dia 7.62mm
- Rifling twist... 508mm R. H.



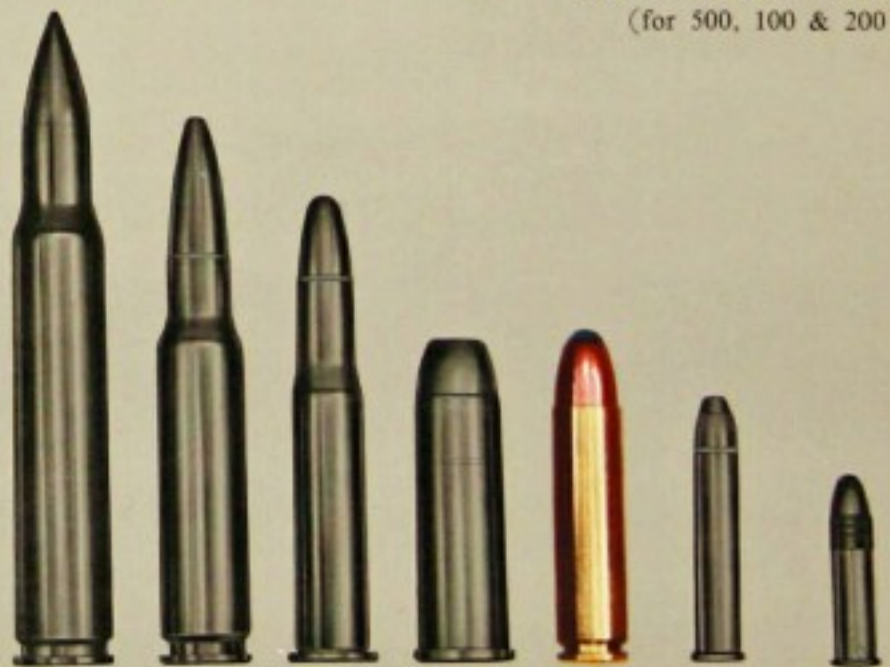
SPECIFICATIONS

- Caliber 7.62mm (.30 in.)
- Weight 2.80kg (6.17 lbs)
- Over-all length 960.00mm (37.8 in.)
- Barrel length 497.00mm (19.6 in.)
- Auto-loading Gas operation



TRAJECTORY AND MIDRANGE HEIGHT

(for 500, 100 & 200 yds.)



30-06 308 Win 30-30 44-40 Win. .30A.O.A.S.P. .22Win. Mag .22 L.R.



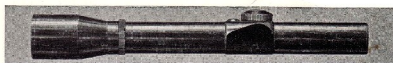
Showing mushroomed crater at range by firing into clay.

BALLISTIC DATA

- Muzzle velocity
- Energy at muzzle
- Effective range

RIFLESCOPE MOUNT (OFFSET TYPE)

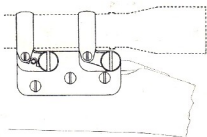
Mount is simply and easily installed with a coin. Moreover, due to extreme lightness in weight, it does not affect the balance of rifle. Riflescope of this offset type is installed 1.3 inches up and 0.8 inch left from the center of barrel (shown in the right figure) and it is designed for simultaneous use of riflescope or the open sight. Diameter of scope tube is 1 inch.



Scope Mount (offset type)



Dotted Reticle



MUZZLE BRAKE

This device not only lessens recoil and muzzle climbing but also protects the muzzle from wear when cleaning.

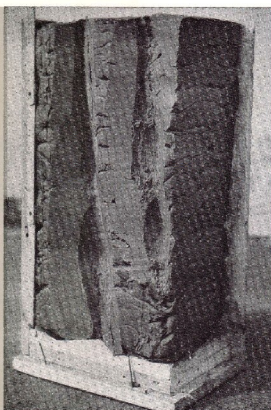


HOODED RAMP SIGHT

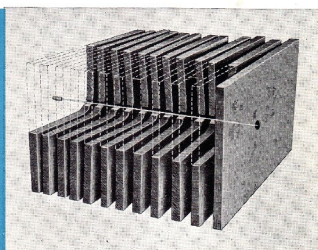
Designed for maximum prevention of reflection, enabling sharp and clear aiming.



E HEIGHT



Expanded Bullet Head



Above photo :

Illustrates range test penetration at 100 yards. All bullets completely pierced layer of 12 pine boards (each layer being 0.95 inch thick).

Showing mushroomed effect of bullet at 100 yards range by firing into clay.

BALLISTIC DATA

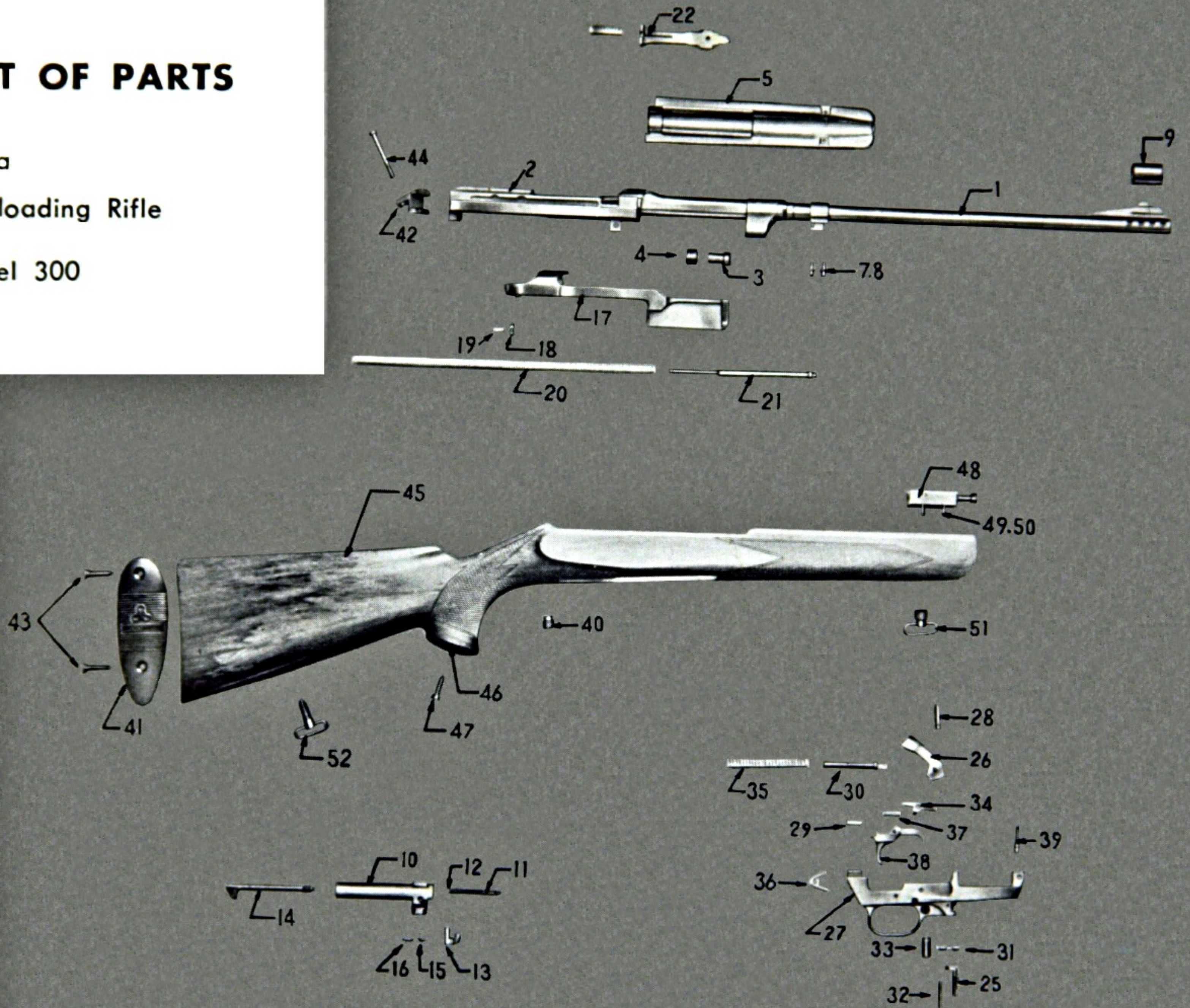
Muzzle velocity	1,970 ft/sec.
Energy at muzzle	961 ft-lbs.
Effective range	50-200 yds.

LIST OF PARTS

Howa

Autoloading Rifle

Model 300



No.	Name	No.	Name	No.	Name
1	Barrel Assembly Barrel with Gas Cyl.,-Stock Lock & Ramp Front Sight	22	Rear Leaf Sight Assembly Leaf Screw, Leaf Elevator	35	Spring, Hammer
2	Receiver	(23)	Rear Peep Sight Assembly	36	Spring, Trigger
3	Piston	(24)	Scope Mount	37	Spring, Sear
4	Piston Nut	25	Catch, Magazine	38	Trigger
5	Barrel Cover Assembly	26	Hammer	39	Pin, Trigger Housing
(6)	Dove Tail Plate	27	Housing, Trigger	40	Escutcheon
7	Set Screw	28	Pin, Hammer	41	Plate, Butt
8	Spring Washer	29	Pin, Trigger	42	Plate, Recoil
9	Ramp Hood	30	Plunger, Hammer Spring	43	Screw, Butt Plate
10	Bolt	31	Plunger Ass'y for Magazine- Catch Retainer & safety	44	Screw, Recoil Plate
11	Ejector		Plunger, Magazine- Catch Retainer	45	Stock
12	Spring, Ejector		Plunger, Safety.	46	Cap, Pistol Grip
13	Extractor		Spring Safety Plunger	47	Screw, Pistol Grip Cap
14	Pin		Plunger, Magazine Catch	48	Barrel Lock Assembly
15	Plunger, Extractor Spring		Ass'y Plunger, Magazine Catch Spring, Plunger	49	Screw, Barrel Lock Housing
16	Spring, Extractor	32	Magazine-Catch	50	Washer for screw, Barrel- Lock Housing
17	Slide, Operating		Safety	51	Front Swivel Assembly
18	Stop, Slide		Sear	52	Rear Swivel Assembly
19	Spring, Slide Stop	33		(53)	Magazine Assembly (5 rds)
20	Spring, Slide	34		(54)	Hexagon Wrench for Barrel Lock Assembly
21	Guide, Operating Slide-Spring				