

Remington Arms Company, Inc.  
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Madison, NC 27025-0700  
(336) 548-8700  
800-243-9700

# ***REMINGTON***

## **Arms Company, Inc.**

### **MODEL 878 AUTOLOADING SHOTGUN**

- **Shooting Safety Commandments**
- **Information**
- **Instructions for Operation & Care of Shotgun**
- **Components Parts Listing**
- **Value and Reference Book Listing**

**NOTE:** We are pleased to accommodate your request for the Model 878 Autoloading Shotgun information. The following documentation represents all information available on this model from the Remington Arms Co., Inc.

**DO NOT MAKE CHANGES OR ALTERATIONS TO ANY PARTS OF A FIREARM. USE ONLY REMINGTON PARTS. NEVER MAKE AN ADJUSTMENT TO THE TRIGGER, OR CHANGE THE SHAPE OR SIZE OF THE SEAR, SEAR NOTCH, OR OTHER PARTS.**

# Ten Commandments of Shooting Safety

1. Always keep the muzzle pointed in a safe direction.
2. Firearms should be unloaded when not in use.
3. Don't rely on your gun's "safety".
4. Be sure of your target and what is beyond it.
5. Use correct ammunition.
6. If your gun fails to fire when the trigger is pulled, handle with care!
7. Always wear eye and ear protection when shooting.
8. Be sure the barrel is clear of obstructions before shooting.
9. Do not alter or modify your gun, and have guns serviced regularly.
10. Learn the mechanical and handling characteristics of the firearm you are using.

REMINGTON'S  
NEW MODEL

*the  
world's  
most  
modern  
shotgun!*

**AUTOLOADING  
SHOTGUN**

**"Gas-Piston"**

Self-Adjusting "Gas-Piston" handles all types of standard length  $2\frac{3}{4}$ " loads. Remington engineering scores another first with a new gas-operation piston that practically thinks for itself. Just the right amount of gas is let into the piston to work the action . . . and the gas isn't taken off until shot column leaves the barrel. All this means full power behind the shot and a smoother operating gun.



SUGGESTED RETAIL PRICE

**\$159<sup>50</sup>\***

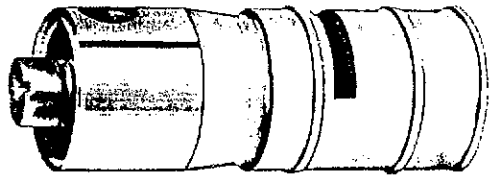
\*Price subject to change without notice.

Remington proudly announces the availability of the new Model 878 "Automaster" gas-operated Shotgun. The Model 878 combines proven performance and dependability with highest quality materials and craftsmanship. This is the autoloading shotgun that makes every shooter a better shooter!

Perfect Balance with weight where it belongs  
 • Gas Operated — Light Recoil • Automatic "Gas-Piston" • Quick Change Barrels — Easy Take-Down • Fast, Easy Loading • Supreme Dependability • Fast Pointing

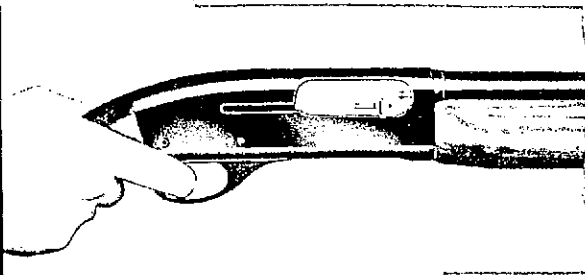
GRADES:	Model 878 "Automaster" available in "A" standard grade.
STYLE:	3-shot autoloading shotgun — take down, hammerless, solid breech.
GAUGES:	12 only
RECEIVER:	Solid Breech, hammerless, matted to surface.
BARREL:	High strength Remington proof gives maximum strength for modern heavy loads including standard length ( $2\frac{3}{4}$ " ) magnums. Modified, full choke, lengths — 28" — 30". Plain or ventilated rib.
SAFETY:	Convenient Cross Bolt Type,
STOCK & FORE-END:	Fine finish American walnut. Checkered pistol grip and fore-end.
STANDARD STOCK DIM.:	14" long, $2\frac{1}{2}$ " drop at heel, $1\frac{3}{8}$ " drop at comb.
WEIGHT:	About 7 lbs.

**Remington**



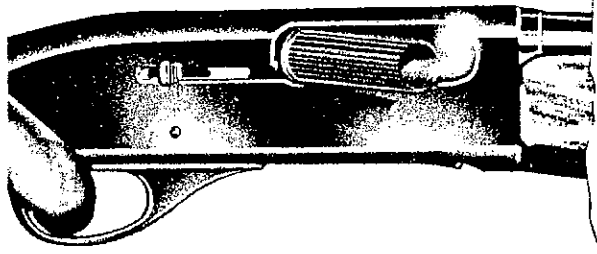
**SELF-ADJUSTING "GAS-PISTON"**

handles all types of standard-length loads — high base, low base and standard magnum. The mechanism automatically selects just the right amount of gas from the load to work the action . . . practically thinks for itself. The gas doesn't bleed off until the shot has left the barrel, ensuring full power behind the shot column.



**REDUCED RECOIL.**

Remington gas operated action means non-recoiling barrel and less recoil too! With the new Model 878 "Automaster" a shooter's hands never leave shooting position — one squeeze and the fast autoloading action chambers another shell, ready to go.

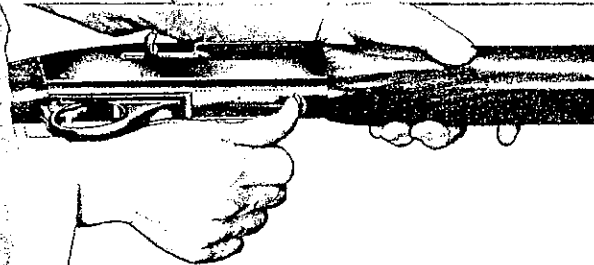


**SUPREME DEPENDABILITY.**

Precision-built for a lifetime of shooting performance. High speed camera photographs, of Model 878 cycle of operation, show that moving parts are perfectly synchronized. Laboratory tests duplicated toughest tropical and arctic climates to prove dependable functioning even under extreme shooting conditions.

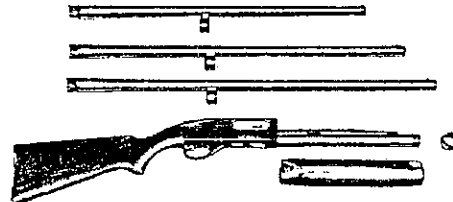
**FAST, EASY LOADING.**

Drop first shell in ejection port. Press magazine follower release as shown in photograph. Insert next two shells in magazine and gun is fully loaded. To single load, drop shell in port and press magazine follower release.



**QUICK-CHANGE BARRELS — EASY TAKE-DOWN.**

Unscrew magazine cap, lift off barrel. It's as easy as that. Switch barrels of appropriate length and choke for whatever kind of hunting or shooting is desired — in seconds! Extra barrels make the 878 several guns in one. Model 878 barrels are completely interchangeable without tools — need no fitting. Trigger assembly comes out as a unit simply by removing 2 pins.



**Remington**

**REMINGTON ARMS OF CANADA LIMITED**

**36 Queen Elizabeth Blvd., Toronto 18, Ontario**

**"AUTOMASTER" IS A TRADEMARK OF REMINGTON ARMS COMPANY, INC.**

**VALUE FOR VALUE, the new Remington Model 878 Gas-operated "Automaster" is the best shotgun buy ever! Loaded with famous Remington features and quality, it's the lightweight, dependable autoloader priced for everyone, everywhere.**

# Remington



# AUTOMASTER

## Autoloading Shotgun

### 3 Shot — 12 Gauge Only

#### INTERCHANGEABLE EXTRA BARRELS

# MODEL 878

# INSTRUCTION FOLDER and PARTS PRICE LIST

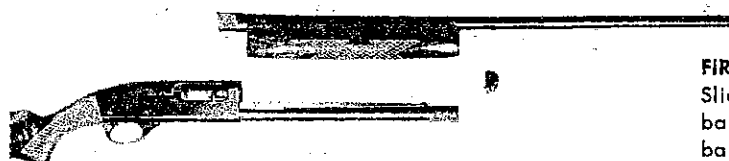
The Remington 878 is chambered to shoot the 2¾" shell in light or heavy loads. Modern heavy loads such as REMINGTON "Express" or PETERS "High Velocity," including the standard length 2¾" MAGNUM, may be used in your new Remington 878. Three shells may be loaded into your gun, two (2) in magazine, one (1) in barrel.

**ON SAFE** — Before loading or unloading gun, push safety to "ON SAFE" position across rear of trigger. RED band marking on safety will not show when gun is "ON SAFE."

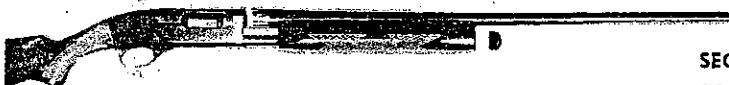
**TO FIRE** — Push safety until RED band shows completely. The gun is now ready to fire. The trigger must be pulled each time to fire gun. The auto-loading action will then reload your gun for the next firing. After the last shell in gun is fired, the action will remain open.

Your Remington 878 shotgun comes to you with barrel off.

## HOW TO PUT GUN TOGETHER



**FIRST** — Unscrew and remove magazine cap. Slide fore-end from magazine tube. Now join barrel to fore-end by placing guide ring of barrel into front of fore-end.



**SECOND** — Place fore-end over magazine tube and slide both fore-end and barrel toward receiver. Guide extension of barrel into receiver.



**THIRD** — Seat barrel extension and fore-end into receiver properly. Open action slightly if necessary. Place magazine cap over guide ring of barrel and screw cap down tightly.

**YOUR GUN IS NOW ASSEMBLED, READY FOR USE.**

**Caution:** Make certain bore of barrel is clean before firing.

**EXTRA BARRELS** — Interchangeable as purchased (same gauge). No special fitting required.

**TO SINGLE LOAD and COCK** (Fig. 1) — Pull operating handle back until breech bolt locks back and opens action. Drop shell thru ejection port upon carrier. Close action by pressing magazine follower forward in magazine tube.

**Caution:** Do not allow bolt assembly to slam forward in receiver with barrel removed from gun. Ease forward holding by operating handle.

**TO MAGAZINE LOAD** (Fig. 2) — Close action by pressing magazine follower forward. Press and slide shells forward against carrier and into magazine tube. Shells can be hand fed from magazine tube to barrel by simply opening and closing action.

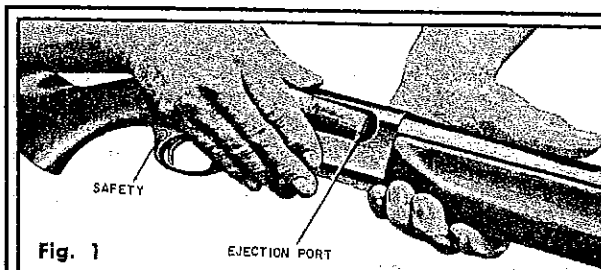


Fig. 1

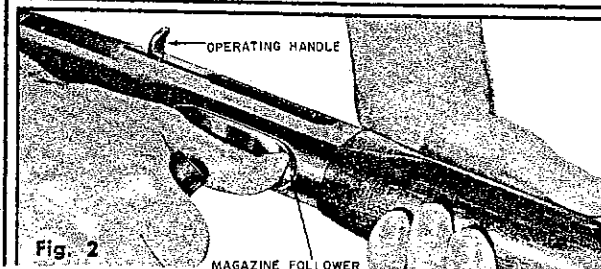
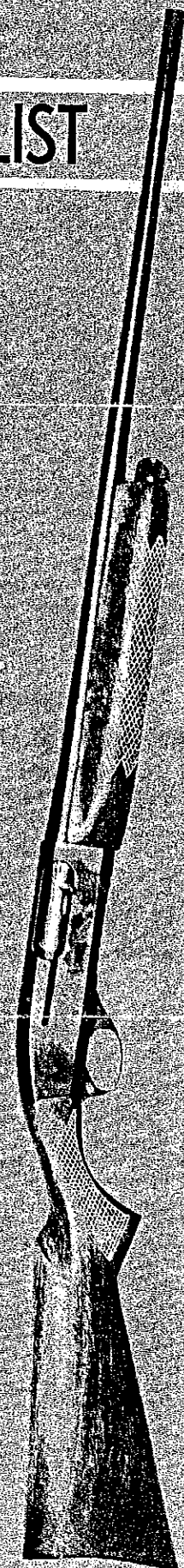


Fig. 2



**TO UNLOAD GUN (Fig. 3)** — Place gun "ON SAFE" (red band will not show). Open action to eject unfired shell from barrel. Close action and repeat ejecting unfired shells from barrel until magazine is empty. The action will lock open when magazine is empty. Check for empty magazine and barrel chamber.

**CLEANING AND CARE OF GUN** — A petroleum solvent such as varnolene or kerosene should be used. Take usual precautions. Brush, allow to drain or wipe dry. Oil action with a light rust preventative type. **CAUTION:** Use no oil on piston mechanism within fore-end.

**DISASSEMBLY** — Place gun "ON SAFE" (red band will not show).

**Barrel and Fore-end** — Unscrew magazine cap. Slide barrel and fore-end together from gun.

**Trigger Plate Assembly** — Push out front and rear trigger plate pins. Lift trigger plate assembly from gun. Clean as a unit.

**Breech Bolt Assembly** — Remove barrel and fore-end. Pull out operating handle. Remove piston mechanism. Push in left shell latch in receiver. Pull action bar with breech bolt and slide assembly attached, from front of receiver. (See Sectional View).

**REASSEMBLY — Trigger Plate Assembly** — Cock hammer and place safety "ON SAFE." Slide trigger plate assembly into receiver, taking care that projecting parts of assembly clear receiver rails. Align trigger plate pin holes and push in trigger plate pins, front and rear.

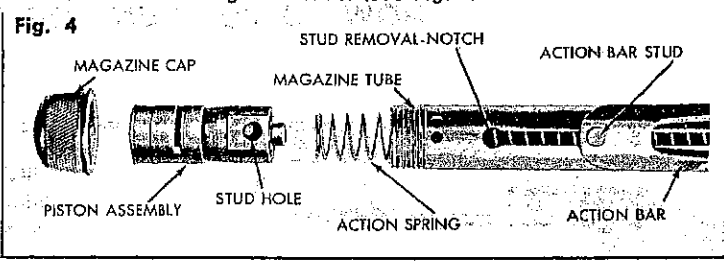
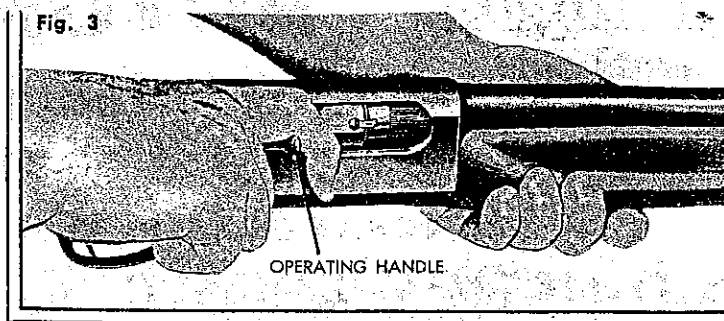
**Breech Bolt** — Mount to slide and then place both parts upon rear of action bar. Locate properly in both slide notches at rear of action bar. (See Sectional View.) Depress left shell latch (in receiver) when pushing assembled breech bolt, slide and action bar into receiver.

**PISTON MECHANISM** — No oil or lubrication of any kind should be used on piston or piston section of magazine tube. This mechanism is self-cleaning and requires little attention unless normal amount of shooting is exceeded.

**TO REMOVE** — Close action. Remove barrel and fore-end. Reach into receiver from bottom and push carrier inward. Press inward on left shell latch. Action bar can then be moved forward slightly allowing piston assembly to protrude from end of tube. This will align stud removal notch in magazine tube to action bar stud. Press piston assembly back in slightly and pull front end of action bar outward to disengage from stud hole in piston. Piston assembly is then free and can be removed from magazine tube. (See Fig. 4).

**TO REPLACE** — Follow reverse order. After piston aligns and engages to stud on action bar, pull operating handle rearward slightly to partially re-engage action bar to left shell latch in receiver. Push magazine follower inward to release carrier and allow left shell latch to fully engage action bar.

**AFTER HANDLING** — Wipe the outside of your Remington 878 with a cloth and oil to prevent rusting. Exposure to unfavorable weather or dampness will cause rust to steel parts. Fingerprints also leave moisture that can cause rust to steel parts if not removed.



## INSTRUCTIONS FOR ORDERING PARTS

(Please read carefully)

**WHEN ORDERING PARTS . . . . MODEL NUMBER, PART NUMBER and PART NAME MUST BE GIVEN.** Give also serial number (if any), and state caliber or gauge and choke needed. Please identify from the component parts, picture or section view. When ordering interchangeable shotgun barrels, please list on separate order form. This will speed up shipment to you.

Cover only one subject in letter or order. Do not order spare parts and give instructions on repair of a gun or guns in the same letter — this delays service.

Please do not ship sample parts to Firearms Factory unless it is im-

possible to identify from the Parts List or Instruction Folder. See shipping instructions concerning **FACTORY SERVICE.**

Parts will be furnished for discontinued models as long as the supply is available. We are unable to supply parts for models or repair guns not listed in Complete Line Parts List.

All parts will be shipped as ordered, but since they are made to close dimensions, the particular part may require slight adjustment or fitting to assure proper functioning of the arm.

**IMPORTANT:** Do not combine Part Orders with Gun Service Orders. Please send Part Orders direct to:

**REMINGTON ARMS COMPANY, INC.**  
PARTS DEPT., ARMS SERVICE DIVISION - Ilion, New York 13357

## INSTRUCTIONS FOR FACTORY SERVICE

Please read carefully before making shipment to the Firearms Plant at ILION, NEW YORK

Please package carefully when shipping firearms to factory. Use plenty of cushioning material to prevent movement of gun or gun parts in package during transit.

Please do not ship gun in a gun case, or special container that must be returned from the factory. The return of your gun or parts will be greatly speeded if properly packaged in a throw-away carton.

All shipments should have forwarding and return address clearly marked on gun package as well as on attached letter.

To further improve service — please attach complete letter of information securely on outside of each package returned to the factory for repairs.

Please do not return gun accessories such as sling straps, quick release swivels, special boots, covers, telescopes, mounts or any special equipment to the factory with the gun shipment.

Give full details of the contents of the shipment — state whether complete gun or part. List model name and model number, serial number (if any), and caliber or gauge.

Give full condition of contents — stock and fore-end damage (if any), metal damage (if any), barrel bent or damaged (if any), parts missing, etc. A full description will enable us to more accurately list the needed repairs.

Cover only one subject in letter or order. Do not order spare parts

and give instructions on repair of a gun or guns in the same letter — this delays service.

**THEN** — to avoid all possible delay in starting work on your gun or parts, please include in your first order or letter the trouble you wish corrected, any changes you desire, or parts you wish replaced.

If an estimate is required before the work is started, please advise. Otherwise we will proceed with the necessary work and send a statement of the cost to you. In this manner your gun or parts can be reshipped at the earliest possible date.

Unless you specify otherwise, shipments will be made by way of Parcel Post on small packages, Express on larger packages.

Remington gun parts are not interchangeable with those of any other make of gun. For this reason the Remington Arms Company, Inc. cannot service any gun not of our manufacture.

Repairs will be made on discontinued models as long as the supply of parts is available. However, repairs cannot be made for models which are not listed in Complete Line Parts List.

**IMPORTANT:** Before packaging guns for return to factory, ALL LIVE AMMUNITION SHOULD BE REMOVED.

If live ammunition is included in package, shipment cannot be made by Insured Mail. All other shipments may be made by Insured Mail, Express, Motor Transport, or Freight.

Please send repairs direct to:

**REMINGTON ARMS COMPANY, INC.**  
ARMS SERVICE DIVISION - Ilion, New York 13357

ILION, NEW YORK, U.S.A.

Printed in U.S.A.

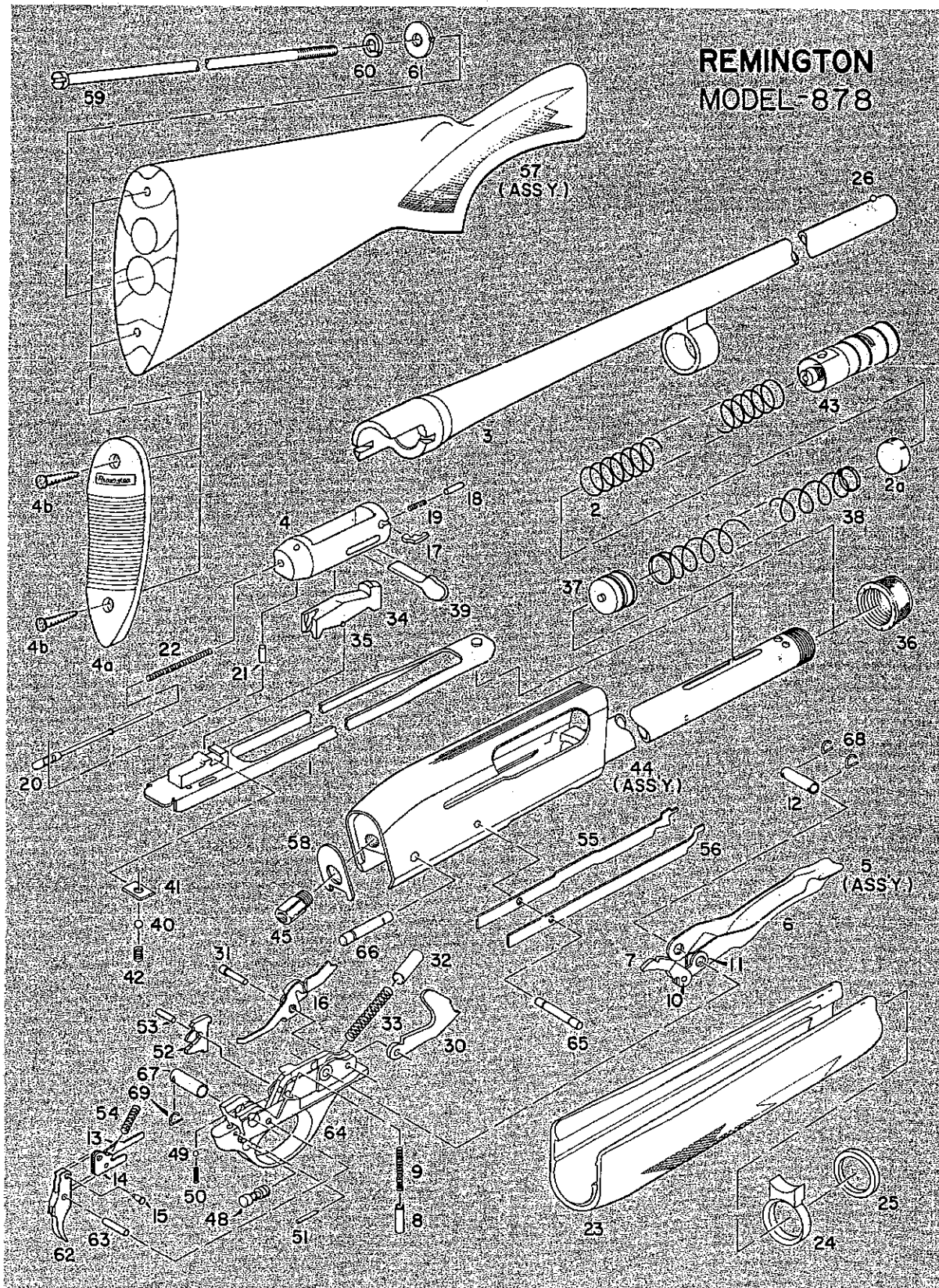
**SECTIONAL VIEW**

*Remington*

**MODEL  
878**

"DISCONTINUED  
NO PARTS AVAILABLE  
FROM REMINGTON"

**Autoloading Shotgun**



Send all guns for factory service and inquiries on service and parts to  
**REMINGTON ARMS COMPANY, INC.**  
Arms Service Division  
Ilion, New York 13357

All other inquiries are to be addressed to  
**REMINGTON ARMS COMPANY, INC.**  
Bridgeport, Connecticut 06602

**MODEL  
878**

**Autoloading Shotgun  
12 GAUGE ONLY**

"DISCONTINUED  
NO PARTS AVAILABLE  
FROM REMINGTON"

**When ordering parts — Model No., Part No. and Part Name must be given.**

View No.	Part No.	NAME OF PART	List Price	View No.	Part No.	NAME OF PART	List Price
1	25860	Action Bar Assembly (includes Action Bar, Action Bar Stud, Slide Block, Operating Handle Plunger, Operating Handle Plunger Retainer, Operating Handle Spring) .....	\$	34	22325	Locking Block Assembly (includes Locking Block, Locking Block Stud) .....	
2	19365	Action Spring .....		35	19628	Locking Block Stud .....	
2a	19659	Action Spring Stop .....		36	16895	Magazine Cap .....	
<b>NOTE: Please list choke needed.</b>							
	25920	Barrel Assembly, Vent Rib, 12 Ga., 30" (includes Barrel, Barrel Guide Pin, Barrel Guide Ring, Front Sight, Front Sight Retaining Pin, Magazine Cap Detent, Magazine Cap Detent Spring, Ventilated Rib) .....			17451	Magazine Cap Detent .....	
	25921	Barrel Assembly, Vent Rib, 12 Ga., 28" .....			16791	Magazine Cap Detent Spring .....	
3	25200	Barrel Assembly, Plain, 12 Ga., 30" (includes Barrel, Barrel Guide Pin, Barrel Guide Ring, Front Sight, Magazine Cap Detent, Magazine Cap Detent Spring) .....		37	16896	Magazine Follower .....	
	25201	Barrel Assembly, Plain, 12 Ga., 28" .....		38	16750	Magazine Spring .....	
4	16967	Breech Bolt .....		39	25390	Operating Handle .....	
	25170	Breech Bolt Assembly, Complete (includes Breech Bolt, Extractor, Extractor Plunger, Extractor Spring, Firing Pin, Firing Pin Retaining Pin, Firing Pin Retractor Spring, Locking Block Assembly) .....		40	15097	Operating Handle Plunger .....	
4a	20616	Butt Plate .....		41	15098	Operating Handle Plunger Retainer .....	
4b	25410	Butt Plate Screw .....		42	16791	Operating Handle Spring .....	
5	25420	Carrier Assembly (includes Carrier, Carrier Dog, Carrier Dog Pin, Carrier Dog Washer) .....		43	25165	Piston Assembly (includes Piston, Piston Sleeve, Piston Spring, Piston Spring Bushing, Piston Stud, Piston Stud Nut, Piston Washer) .....	
6	25195	Carrier .....		44	25160	Receiver Assembly, Complete (includes Receiver, Action Spring Stop, Ejector, Ejector Rivet, Magazine Follower, Magazine Spring, Magazine Tube Assembly) .....	
7	15480	Carrier Dog .....		45	18551	Receiver Stud .....	
8	16905	Carrier Dog Follower .....		48	25115	Safety .....	
9	17415	Carrier Dog Follower Spring .....		49	23223	Safety Defent Ball .....	
10	18781	Carrier Dog Pin .....		50	17514	Safety Spring .....	
11	18760	Carrier Dog Washer .....		51	17515	Safety Spring Retaining Pin .....	
12	17417	Carrier Pivot Tube .....		52	18750	Sear .....	
13	17419	Connector, Left .....		53	17463	Sear Pin .....	
14	17551	Connector, Right .....		54	17518	Sear Spring .....	
15	17420	Connector Pin .....		55	16909	Shell Latch, Left .....	
16	16712	Disconnecter .....		56	23080	Shell Latch, Right .....	
	25430	Ejector .....		57	27821	Stock Assembly (includes Stock, Butt Plate, Butt Plate Screw (2)) .....	
	18647	Ejector Rivet .....		58	19993	Stock Bearing Plate .....	
17	16176	Extractor .....		59	18571	Stock Bolt .....	
18	17432	Extractor Plunger .....		60	18572	Stock Bolt Lock Washer .....	
19	17433	Extractor Spring .....		61	18573	Stock Bolt Washer .....	
20	17436	Firing Pin .....			20610	Trigger Assembly (includes Connector, Left, Connector, Right, Connector Pin, Trigger) .....	
21	18623	Firing Pin Retaining Pin .....		62	25370	Trigger .....	
22	17437	Firing Pin Retractor Spring .....		63	17533	Trigger Pin .....	
23	23045	Fore-end .....			25185	Trigger Plate Assembly (R.H.) (includes Carrier Assembly, Carrier Dog Follower, Carrier Dog Follower Spring, Carrier Pivot Tube, Disconnecter, Hammer, Hammer Pin, Hammer Plunger, Hammer Spring, Safety, Safety Defent Ball, Safety Spring, Safety Spring Retaining Pin, Sear, Sear Pin, Sear Spring, Trigger Assembly, Trigger Plate, R.H., Trigger Plate Pin Bushing, Trigger Plate Pin Detent Spring, Front (2), Trigger Plate Pin Detent Spring, Rear) .....	
24	24256	Fore-end Ring .....			25190	Trigger Plate Assembly (L.H.) .....	
25	19363	Fore-end Ring Washer .....		64	25270	Trigger Plate (R.H.) .....	
26	18673	Front Sight (Plain Barrel) .....			25271	Trigger Plate (L.H.) .....	
	18796	Front Sight (Vent Rib) .....		65	20601	Trigger Plate Pin, Front .....	
	15660	Front Sight Retaining Pin (Vent Rib) .....		66	20606	Trigger Plate Pin, Rear .....	
10	18749	Hammer .....		67	17541	Trigger Plate Pin Bushing .....	
11	16600	Hammer Pin .....		68	17539	Trigger Plate Pin Detent Spring, Front .....	
12	17465	Hammer Plunger .....		69	17540	Trigger Plate Pin Detent Spring, Rear .....	
13	19014	Hammer Spring .....					



## Firearms Value & Reference Books

**NOTE:** We do not provide information on firearms' values. You may want to have your firearm appraised by a gunsmith. The following sources may also be helpful. We do not accept responsibility for the goods or services provided by these sources.

### Firearms Value Books

#### Blue Book of Gun Values

Blue Book Publications  
8009 34<sup>th</sup> Avenue South #175  
Minneapolis, MN 55425  
800-877-GUNS

#### Flayderman's Guide to Firearm Values

Gun List  
Modern Gun Values  
Krause Publications  
700 East State Street  
Iola, WI 54990-0001  
847-573-8530

#### Gun Trader's Guide

Stoeger Publishing Company  
5 Mansard Court  
Wayne, NJ 07470  
973-872-9500

### Reference Books

#### The Remington 700

John Flacy  
Brownells, Inc.  
200 South Front Street  
Montezuma, IA 50171  
515-623-5401

#### Cartridges of the World

Frank C. Barnes  
Standard Catalog of Firearms  
Krause Publications  
700 East State Street  
Iola, WI 54990-0001  
847-573-8530

#### Shooter's Bible

Stoeger Publishing Company  
5 Mansard Court  
Wayne, NJ 07470  
973-872-9500

#### Remington, America's Oldest

Gunmanker  
Remington Arms Co.  
PO Box 700  
Madison, NC 27025  
Attention: History Book  
800-423-8495

