

# BROWNING

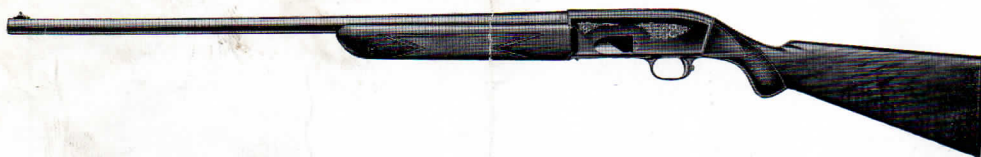
« DOUBLE AUTOMATIC »  
SHOTGUN



12 Bore - 2 Shot



FABRIQUE NATIONALE D'ARMES DE GUERRE, S. A., HERSTAL-lez-LIÈGE (BELGIUM)



## INTRODUCTION

The new Browning Double Automatic shotgun is notable for its simple and harmonious lines which give it a sober elegance which go well with the well-known technical qualities of all Browning arms.

It is an automatic gun, with short recoil of the barrel, that is to say, that the breech, fixed to the barrel, separates itself from the bolt after a short recoil of the barrel. At this moment, the barrel stops and the bolt continues its recoil to the end of its travel.

In the realm of shotguns, the application of this principle is quite new, and confers on the gun considerable advantages.

The Browning Double Automatic shotgun can fire perfectly cartridges of different strengths without it being necessary to make use of a regulating ring.

Its recoil is weak, thanks to the fact that a large part of the energy of the same is absorbed by the functioning of the mechanism, so that the shooter hardly notices it.

The gun is perfectly balanced, from the fact that the centre of gravity is placed more to the front. The gun is pleasant to use and comes quickly to the shoulder.

The entirely new conception of the mechanism has allowed the action frame to be shortened thus giving the gun a more elegant and compact shape. The solidity and strength of the gun are quite equal to those of its predecessors.

The gun is loaded at the side, which is both simple and rapid. A glance will show if the gun is loaded with one or two cartridges, the second cartridge being lodged in the lower part of the mechanism.

Dismantling and reassembling of the barrel are extremely rapid, a few seconds only being necessary for these operations.

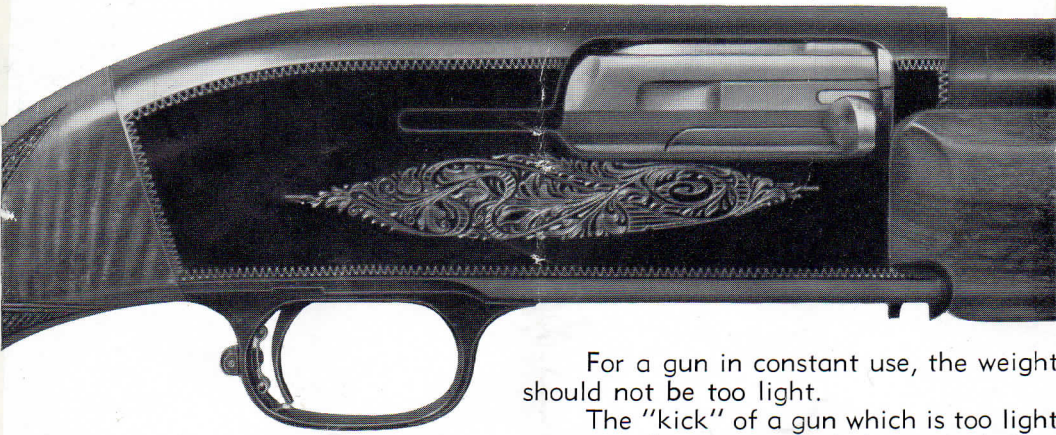
The safety is very accessible, being placed behind the trigger and is moved with great facility.

A separator automatically prevents firing before the bolt is completely closed, thus preventing any accidental discharge.

FABRIQUE NATION

## MODELS

The very principle of the mechanism of the gun has permitted a reduction in the weight of the component parts as well as the use of light metals.



**The STANDARD gun**

For a gun in constant use, the weight should not be too light.

The "kick" of a gun which is too light can mar the accuracy of the second shot.

Moreover, for clay pigeon shooting, experience has shown that, to obtain consistency in performance, the gun must have a certain weight.

The weight of the Standard gun with 27 1/2" barrel is from 7 lb. 10 oz. to 7 lb. 15 oz.



**The LIGHTWEIGHT gun**

To satisfy the taste of certain clients, a lightweight model has been produced which has an action frame in light alloy and its weight reduced to about 7 lb. Its balance remains perfect. De luxe models on request.

## DISMANTLING AND REASSEMBLING THE GUN

### Opening remarks:

Normally, the breech remains open when the gun is not loaded, that is to say, the bolt remains in the rear position. This is the position of the bolt when the gun is delivered, either assembled or not.

The bolt also stops in this rear position after the second shot has been fired.

The bolt must also be in this rear position when dismantling or reassembling the gun.

The inventor designed it thus so as to increase the rapidity of loading and to permit the shooter to ascertain at a glance that the gun is not loaded.

It is possible and permissible to close the bolt without there being a cartridge in the chamber, for example when the gun is not going to be used for a certain time, or to protect the mechanism from dust, sand or mud.

If the bolt has been closed, it will be necessary to open it before attempting to dismantle or reassemble the gun, or to load it.

One can rest assured that the action spring will not be weakened through the bolt being left constantly open.

### TO FIT THE BARREL

With the first finger, pull back the fore-end lock and, at the same time, with two thumbs lower the rear part of the fore-end wood as much as possible (Fig. 1). Place the breech of the barrel in the action frame, the square cut-away should be exactly in line with the sighting groove on the top of the action frame, and the barrel supported by the fore-end. When fully inserted, the barrel hook will have entered its housing in the fore-end (Fig. 2).

Replace the fore-end by giving it a sharp blow with the palm of the hand and check up that the barrel is correctly assembled.

With a little practice, the barrel can be fitted in 5 seconds.

### TO TAKE DOWN THE BARREL

Free and lower the fore-end wood as indicated above.

Draw the barrel forward until it stops (Fig. 3), raise it slightly forward and disengage it from the action frame.

To remove the barrel more easily, it is best to turn it in a clockwise direction at the same time as raising it.

Time required: about 3 seconds.

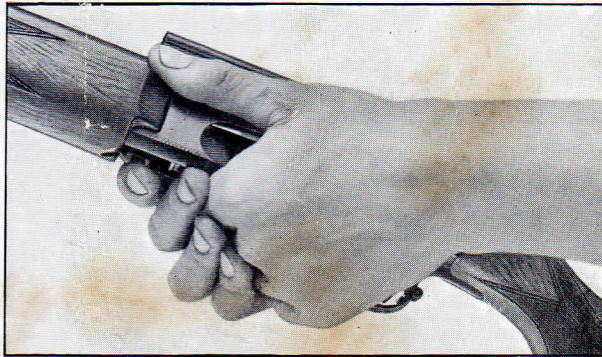


Fig. 1

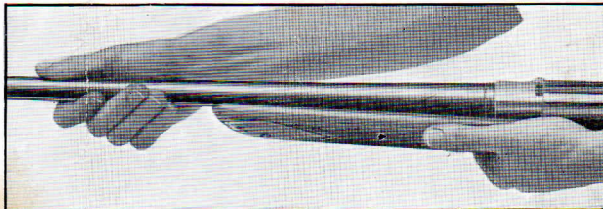


Fig. 2

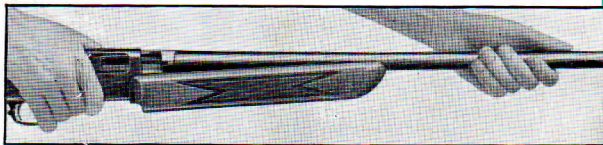


Fig. 3

LIÈGE (BELGIUM)

## HANDLING THE GUN TO LOAD THE GUN



Fig. 4



Fig. 5

Whether the shooter be right-handed or left-handed, it is recommended to load with the left hand. This corresponds moreover with the usual method for double barrel guns.

### First cartridge:

The breech being open, hold the gun in the right hand at the grip, the barrel being pointed towards the sky or in any other safe direction. With the left hand, place the front part of a cartridge in the loading orifice (Fig. 4), push forwards with the palm of the hand on the base of the cartridge, until the whole cartridge enters the gun. The bolt will now fly forward carrying the cartridge into the chamber.

The cartridge can also be pushed in with the finger, but care must be taken that the finger does not enter the mechanism of the gun.

### Second cartridge:

Load in the same way as the first cartridge. Make sure that the base of the cartridge is completely in the action.

**For shooters who use the right hand for loading.** Take the gun in the left hand at the fore-end and load with the right hand as indicated above for the left hand.

### Precaution:

When loading the first cartridge, care should always be taken not to allow the fingers or the hand near the ejection opening. They could be caught by the breech bolt in its forward movement.

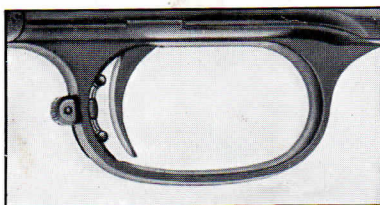


Fig. 6

### TO PLACE AT "SAFE"

Push the safety catch downwards (Fig. 6).

### TO CLOSE THE BREECH

It is normal for the unloaded gun to be left with the breech open.

### TO UNLOAD THE GUN

Pull back the bolt knob once or twice according to the number of cartridges in the gun. Each time a cartridge will be ejected.

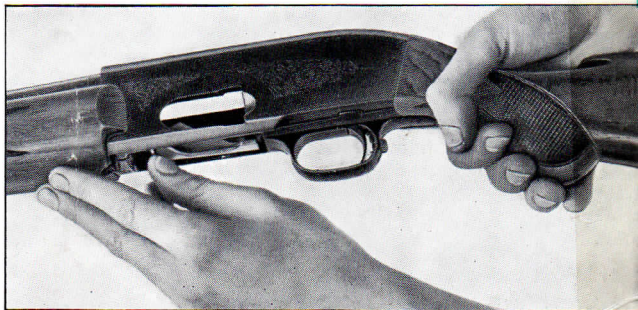


Fig. 7

If however it is wished to close the breech without loading a cartridge, it is only necessary to push the bolt release (Fig. 7).

In this case, observe the same precaution as above - do not place the hand or finger near the ejection opening.

When the barrel is not on the gun and if one wishes to close the breech, hold back the mechanism by the bolt knob and allow it to slide gently forward.

This should not normally be necessary.

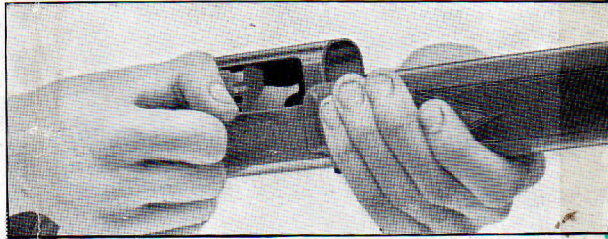


Fig. 8

### ADJUSTING THE BARREL

It might happen that, after a certain number of shots, the barrel has a slight play which needs to be taken up. This is quite easily done by the shooter himself, as follows:

1) The gun being open, remove the pin (No. 34) which is placed laterally in the front part of the fore-end. The fore-end will then be free and can be taken away. The regulating cap (No. H 21), recognizable by the 6 holes in it, will now be accessible.

2) Turn the regulating plug in an anti-clockwise direction which will cause the sliding attachment of the barrel to move forward until the play is eliminated. The barrel lump (No. 13) will then slide comfortably against the breech stop. After this adjustment, two of the holes in the regulating cap must be in alignment with the holes in the fore-end to receive the pin.

If not, turn the regulating cap still in an anti-clockwise direction, but not for more than one-sixth of a turn until the holes are in alignment.

The fore-end can now be replaced and retained by the pin.

### MAINTENANCE

The F. N. Browning Double Automatic Shotgun only requires the usual procedure for cleaning and maintenance. Above all remember that a light oiling ensures its perfect functioning.

When unpacking the gun and before using it for the first time, allow four or five drops of oil to fall on the recoil spring tube. Under normal conditions this oiling will be sufficient for a whole season.

Common sense will tell the shooter that after intensive use or prolonged exposure to damp weather, the metal parts of the gun should receive a light coating of oil.

One should also, from time to time, oil very lightly the breech and the barrel slides so as to lessen the effects of friction.

It is never necessary to dismantle the mechanism for oiling or cleaning. If however under exceptional circumstances this dismantling is necessary, it would be best to let a qualified gunsmith do it.

### AMMUNITION

The total length of the loaded cartridge must not be less than 2 1/4" nor greater than 2 1/2". The empty cartridge case must not exceed 2 3/4" in length.

The gun accepts equally well most 2 1/2", 2 5/8" and 2 3/4" cartridges with "Star" turnover, also 2 1/2" cartridges with rolled turnover (overshot card).

(C)

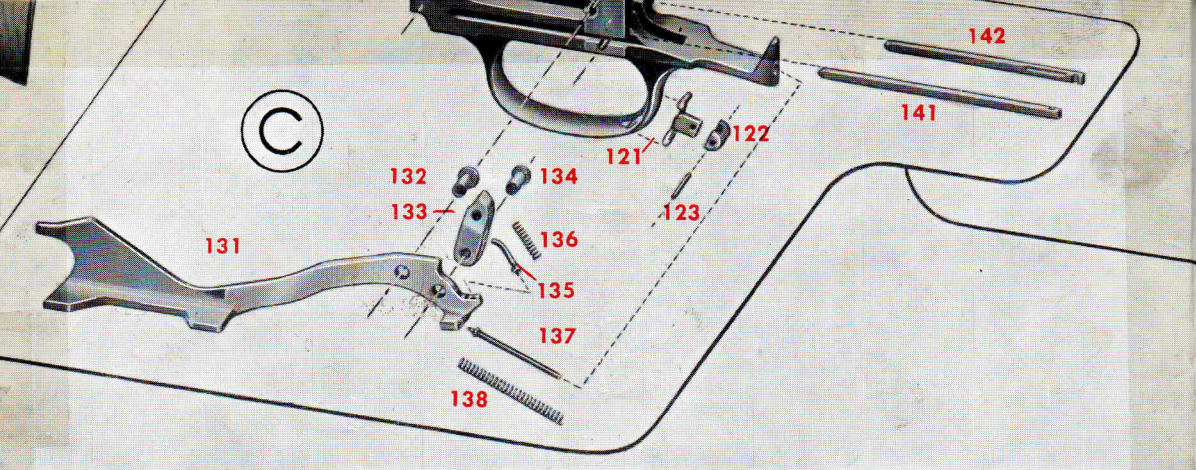


(D)

### LIST OF COMPONENT PARTS

Part No.	Description
S 1 - H 1	Barrel assembled (barrel, barrel extension, ejector, and foresight base)
2	Foresight with collar
STA 49	Foresight (for barrel with rib)
S 11 - H 11	Receiver assembled (action frame, recoil spring tube, recoil spring fixing pin, cartridge feeder guide pin)
11 E	Bolt stop
11 F	Centering stud for the stock
12	Barrel stop holder
13	Barrel stop
15	Rear friction ring
16	Recoil spring
17	Recoil spring bearing washer
18 A	Friction brake, bronze, front
18 B	Friction brake washers
18 C	Friction brake, bronze, rear
19	Barrel hook housing
20	Locking washer for front regulating cap
H 21	Front regulating cap
23	Fore-end fixing pin stop
24	Cartridge feeder
25	Cartridge feeder spring
26	Cartridge feeder stabiliser
27	Cartridge feeder stabiliser spring
S 31	Fore-end with metal reinforcing piece
31 B	Fore-end fixing pin cups
34	Fore-end fixing pin
36	Fore-end latch
37	Fore-end latch spring
41 SB	Breech block (for gun with barrel without rib)
41 AB	Breech block (for gun with barrel with rib)
44	Extractor pivot
45	Extractor
46	Extractor spring
47	Extractor spring guide-pin
48	Firing pin
49	Firing pin spring
50	Firing pin stop plate
51	Locking block
52 SB	Link (for gun with barrel without rib)
52 AB	Link (for gun with barrel with rib)
53	Link pivot
61	Cocking handle
62	Locking block stop with stud
65	Action spring tube
66	Inertia block
67	Inertia block core
68	Inertia block core friction spring
69	Link hook
70	Link hook pivot
71	Link hook spring
72	Link hook spring head
76	Action spring—outer
77	Action spring—inner
80	Action spring tube cap
91	Trigger guard assembled (trigger guard, trigger guard reinforcement and trigger guard reinforcement pin)

FABRIQUE NATIONALE



- 92 Hammer
- 93 Hammer pivot
- 94 Hammer spring yoke
- 95 Hammer spring
- 96 Hammer spring guide
- 102 Trigger pivot
- 103 Sear
- 104 Sear pivot
- 105 Sear spring
- 106 Sear spring guide
- 107 Trigger complete
- 121 Safety spring assembly
- 122 Safety finger piece
- 123 Safety finger piece retaining pin
- 131 Carrier assembly
- 132 Carrier pivot
- 133 Cocking handle stop
- 134 Cocking handle stop pivot
- 135 Cocking handle stop spring guide
- 136 Cocking handle stop spring
- 137 Carrier driver
- 138 Carrier spring
- 141 Trigger guard fastening guide—left
- 142 Trigger guard fastening guide—right
- 161 Stock
- 162 Stock assembling screw
- STA 46 Stock assembly screw washer
- STA 37 Stock assembly screw spring washer
- 165 Heel plate
- STA 28 Heel plate screws

## I M P O R T A N T   N O T E

We beg our customers, when ordering spare parts, to please always state:

1. that the parts are required for the Browning Double Automatic gun;
2. the number of the gun, and the type (Standard or Lightweight);

and, in the case of a barrel:

- the length,
- the model: with "U" rib, ventilated rib, or without rib for Standard model, with "U" rib, ventilated rib or engine turned rib for Lightweight model;
- the choking;

and, in the case of a stock:

the type (indicated by a figure stamped on the flat part of the action frame close to the centering hole).



D

80

STA 46

STA 37

162

G. PATESSON

### PRINCIPAL CHARACTERISTICS

- Type of gun . . . . . with breech bolt and short barrel recoil.
- Bore . . . . . 12 (2 3/4" chamber).
- Barrel lengths . . . . . 25 1/2", 27 1/2" or 29 1/2".
- Barrel boring . . . . . 1/4 choke, 1/2 choke or full choke
- Safety . . . . . placed behind the trigger.
- Stock . . . . . pistol grip.
- Finish . . . . . **Standard Model:** steel receiver, with or without engraving  
- barrel without rib.  
**Lightweight model:** light alloy receiver, engraved, velvet  
grey finish - barrel engine turned along the line of  
sight.

THE BROWNING DOUBLE AUTOMATIC SHOTGUN CAN BE SUPPLIED:

#### Without extra charge

with cylinder barrel, 3/4 choke or skeet bored.

#### With extra charge

with high rib with extra deep "U" channel or ventilated rib; straight hand stock; stock for Pigeon shooting or to special dimensions; special fore-ends; anti-recoil heel plate; sling swivels.

The gun can be modified to fire short cartridges with a minimum length of 2 3/16" (55 mm).

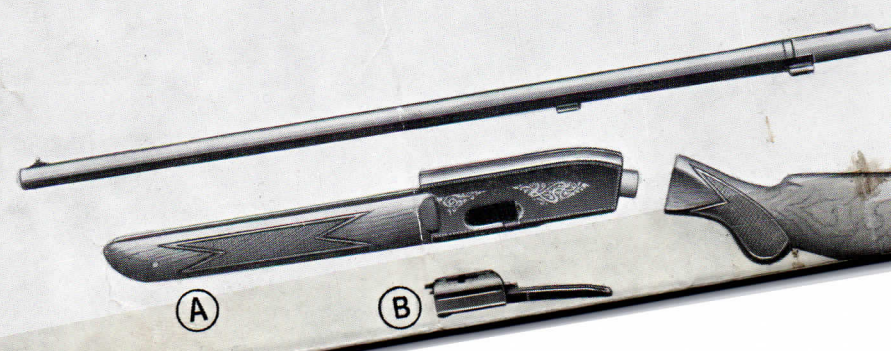
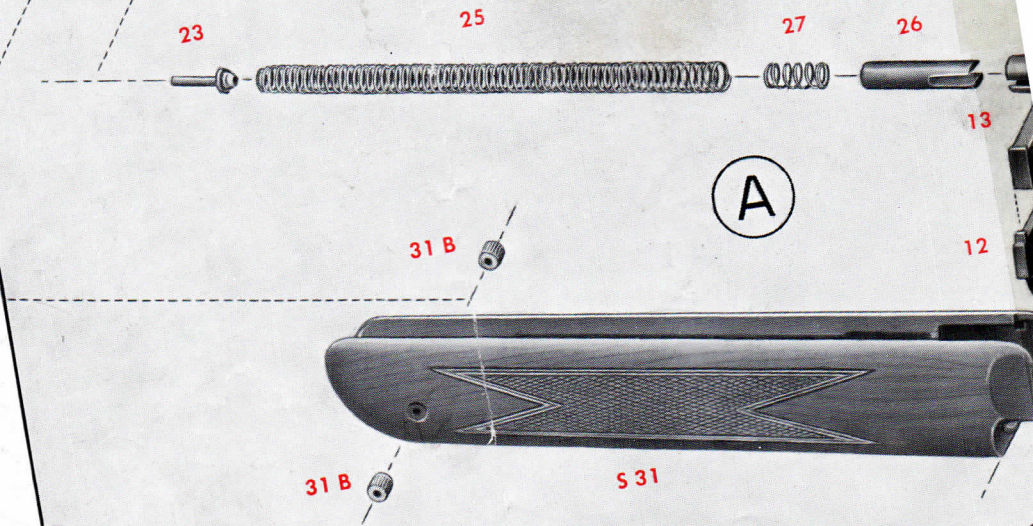
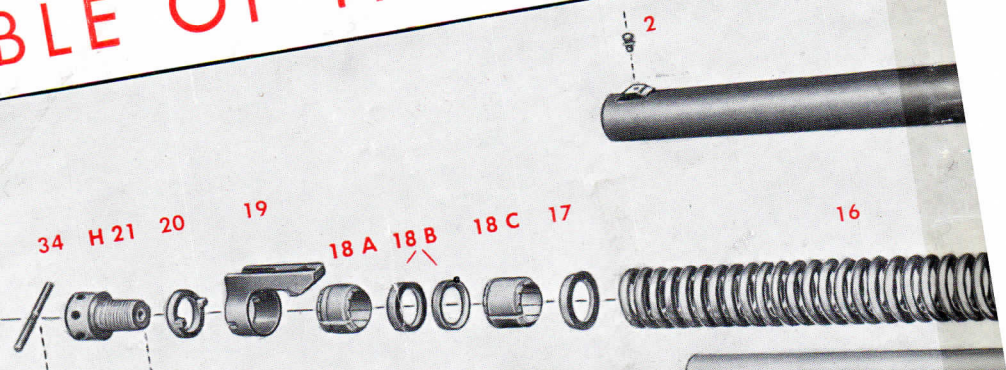
### IDENTIFICATION MARKS

The indication of the calibre and barrel boring is clearly marked on the rear top part of the barrel. The choking is indicated by the following signs:

- Full choke \*
- Half choke \*\*
- Quarter choke \*\* -
- Skeet boring \*\* -S-
- Cylinder \*\*\*

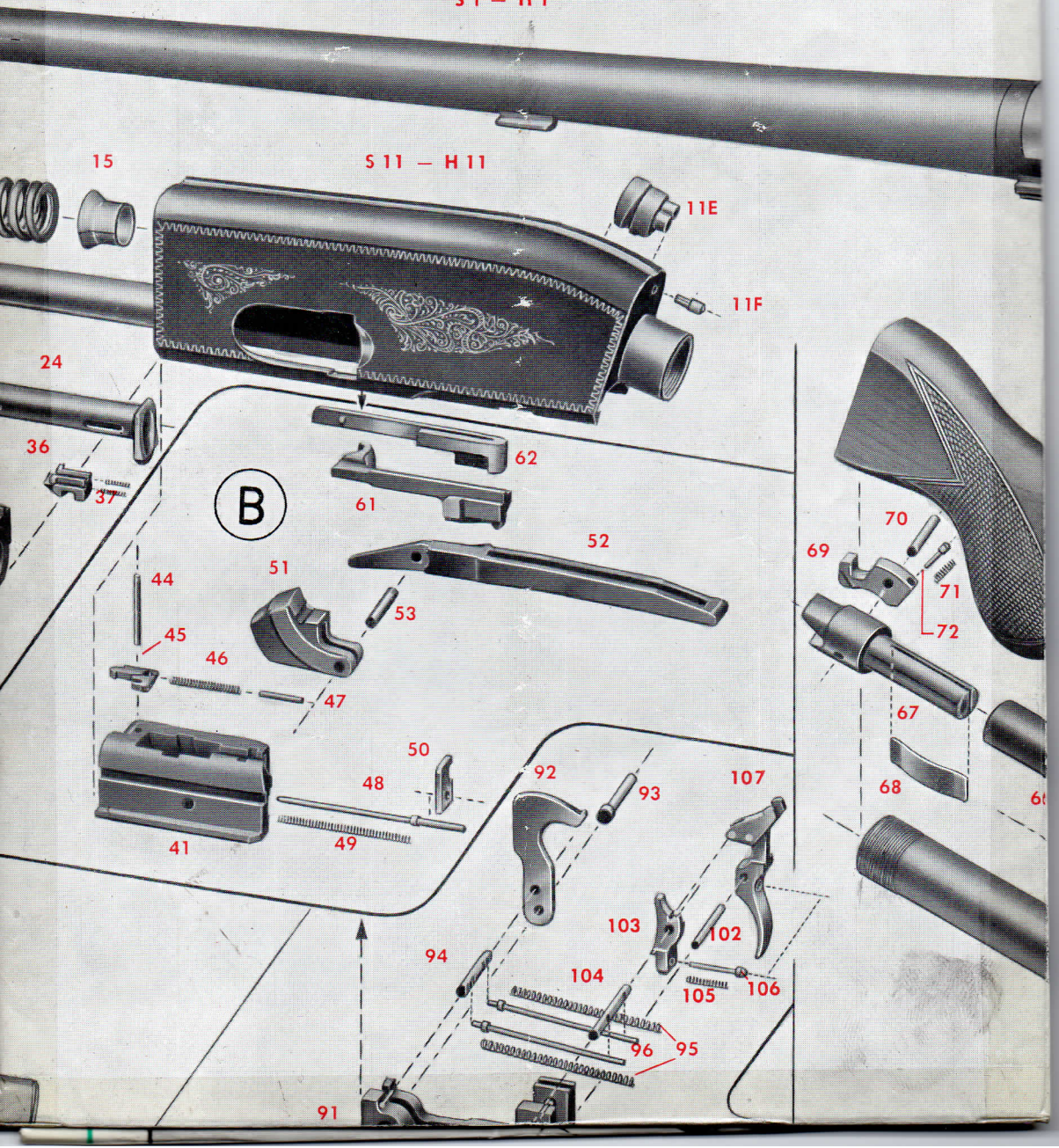
LIÈGE (BELGIUM)

# TABLE OF PARTS OF THE

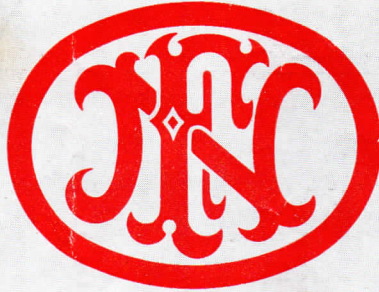


# F. N. BROWNING DOUBLE

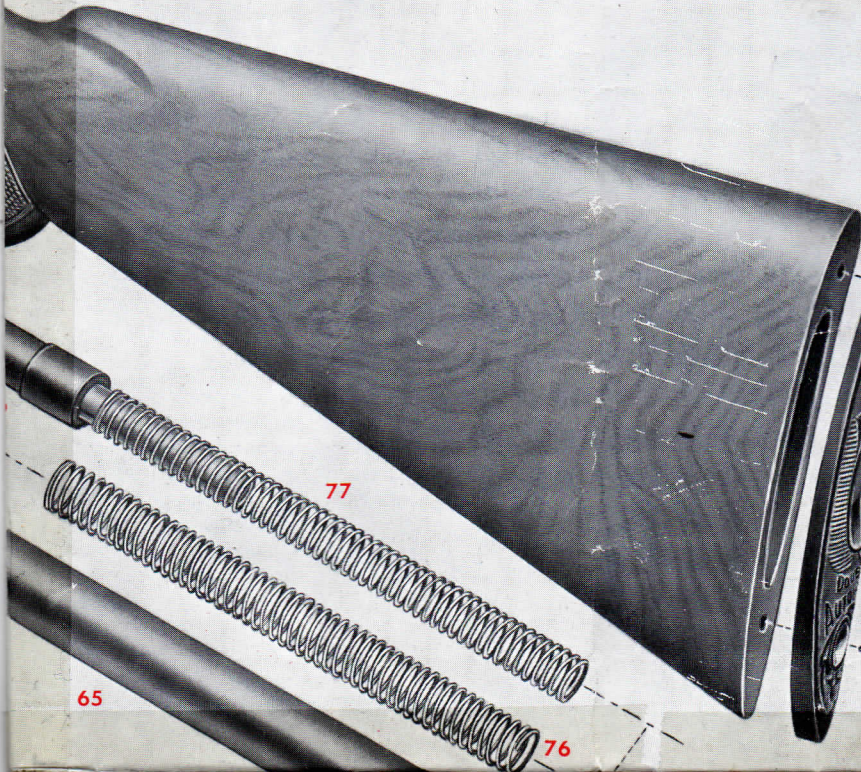
S1 - H1



# AUTOMATIC SHOTGUN



161



STA 28

165

STA 28

65

77

76