

Jan. 19, 1926.

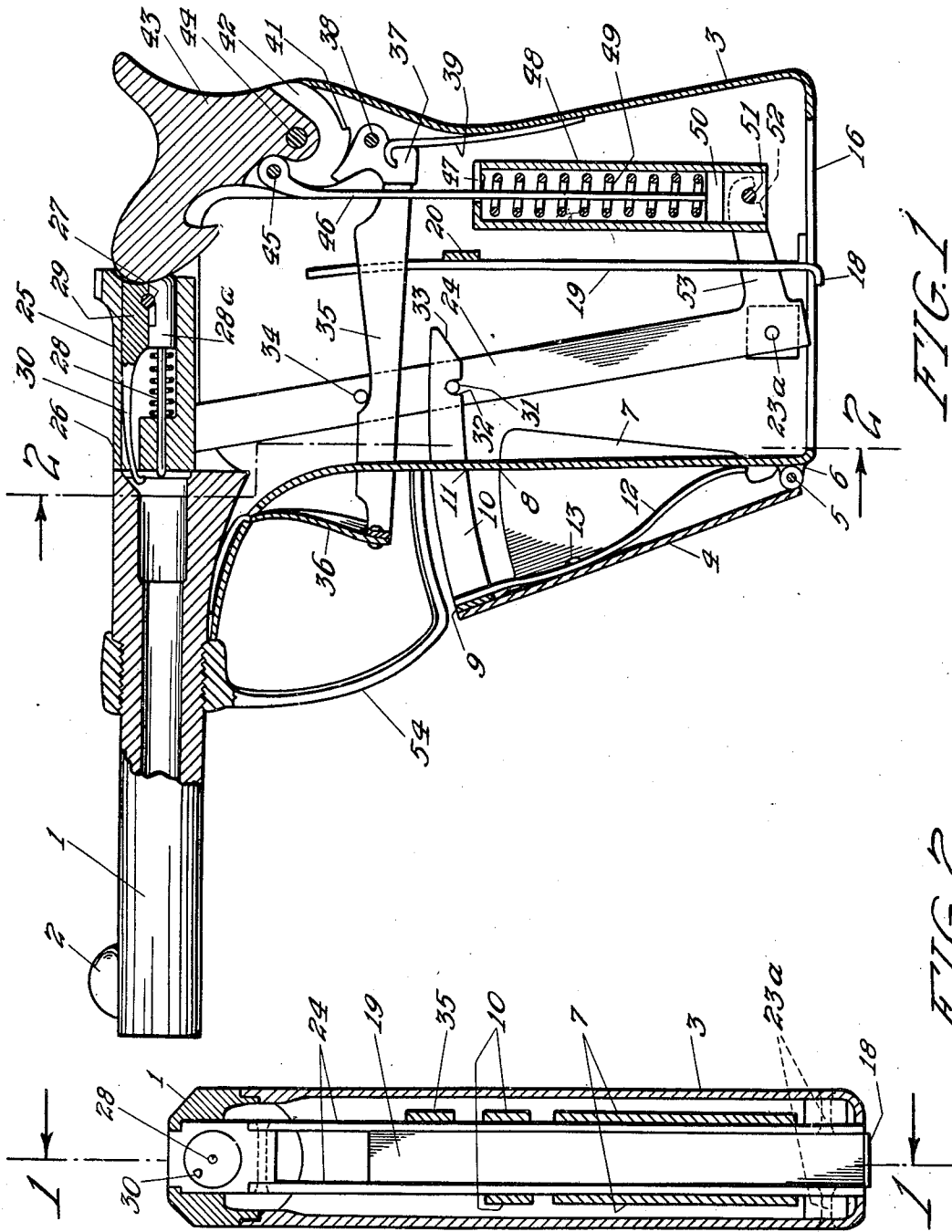
1,569,856

J. E. ERIKSEN

AUTOMATIC PISTOL

Filed May 11, 1925

2 Sheets-Sheet 1



WITNESS:
E. M. Helms

INVENTOR:
J. E. Eriksen
BY *H. J. Sanders*
ATTORNEY.

Jan. 19, 1926.

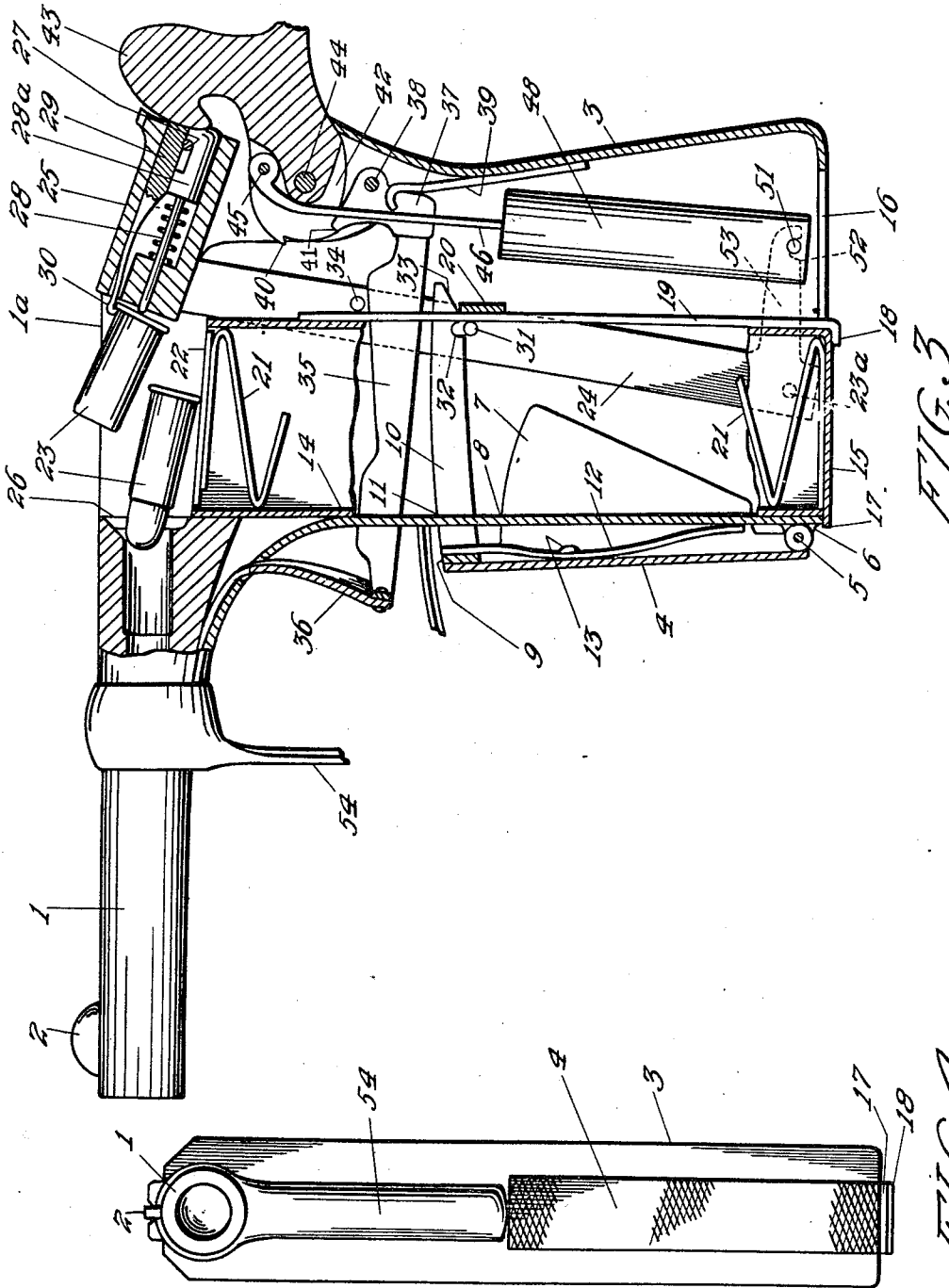
1,569,856

J. E. ERIKSEN

AUTOMATIC PISTOL

Filed May 11, 1925

2 Sheets-Sheet 2



WITNESS:
G. M. Hjelm

INVENTOR:
J. E. Eriksen
BY
H. J. Sanders
ATTORNEY.

Patented Jan. 19, 1926.

1,569,856

UNITED STATES PATENT OFFICE.

JOHAN EMIL ERIKSEN, OF OSLO, NORWAY.

AUTOMATIC PISTOL.

Application filed May 11, 1925. Serial No. 29,464.

To all whom it may concern:

Be it known that I, JOHAN EMIL ERIKSEN, a subject of the King of Norway, residing at Oslo, in the Kingdom of Norway, have invented new and useful Improvements in Automatic Pistols, of which the following is a specification.

This invention relates to improvements in automatic fire arms and more particularly to automatic pistols and it has for its object to provide a piston wherein the force of the recoil after each shot reloads the pistol from the magazine. A further object is to provide an automatic pistol that is simple in construction and arrangement of parts, reliable and accurate in use and cheap to manufacture.

With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described, pointed out in the appended claims and illustrated in the accompanying drawing which forms a part of this application and in which—

Fig. 1 is a vertical sectional view through the pistol on line 1—1 of Fig. 2.

Fig. 2 is a sectional view taken on line 2—2 of Fig. 1.

Fig. 3 is a view similar to Fig. 1 but with the relatively movable parts in an altered position.

Fig. 4 is a view of the pistol in front elevation.

Like reference characters denote corresponding parts throughout the several views.

The reference numeral 1 denotes the barrel, having the extension 1^a, 2 the sight, 3 the hollow handle grip having the extension 4 pivotally supported upon the pin 5 carried in the ears 6 of the grip 3, said extension 4 being formed with the lateral guides 7 that extend into the handle grip through elongated slots 8 in the front wall thereof; a U-shaped cocking lever having its base 9 secured to the upper end of the extension 4 and its sides 10 extending through slots 11 in the handle grip, one end of a leaf spring 12 resting against said base 9 and the opposite end of said spring bearing against the handle grip, said spring being secured by pin 13 to the handle-grip-extension, said spring 12 serving yieldingly to force the upper end of the extension 4 away from the handle grip.

Within the handle grip is the magazine 14, open at its upper end, the bottom 15 ex-

tending through a perforation 16 in said grip and having an integral lip 17 that extends beyond the front wall of the grip to permit manual removal of the magazine 60 when desired. The magazine is oblong in cross section and is retained in position within the handle grip by the end 18 of the spring 19 that extends through the said perforation 16, said spring being supported by the bar 20 that extends transversely of the hand grip and is secured to the side walls thereof.

Within the magazine is the ejector spring 21 to the upper end of which is the follower bar 22 upon which the cartridges 23 are disposed. Upon pivot bolts 23^a carried in the side walls of the handle grip the angular levers 24 are fulcrumed, said levers being disposed contiguous and parallel to the side walls of the handle grip, the longer sides of said levers being secured to the breech block 25 slidably mounted in grooves formed laterally of the barrel extension 1^a and adapted to open and close the breech 26, said breech block being provided with the guide pin 27 that connects the firing-pin-barrel 28^a, provided with the firing pin 28, and the block 29 provided with a spring finger 30 that extends beyond the forward end of the breech block for engagement with the flange of the cartridge shell to support the same after discharge of the cartridge until the next cartridge to be fired comes forcibly into contact with the dead shell precipitating the same out through the perforation in the top wall of the barrel extension. 90

Each lever 24 is provided with a stub pin 31 adapted for releasable engagement by a notched portion 32 in each side 10 of the aforesaid U-shaped cocking lever, said sides 10 having their free ends 33 beveled for engagement with the bar 20, that serves as a release bar, whereby said sides are raised out of engagement with the pins 31. One lever 24 is provided with a stub pin 34 against which the recessed portion of a link 35 bears that connects the trigger 36 to the sear 37 pivoted upon pin 38 secured in the side walls of the handle grip, said sear being yieldingly retained by means of the tension spring 39 carried by the handle grip, in engagement with one of the teeth 40, 41 of the rack 42 formed upon the hammer 43 arranged in the handle grip casing upon the pin 44, said ratchet 42 carrying a pin 45 whereupon a link 46 is secured that extends through a perforation 47 in the upper end 110

of the casing 48 and through the center of a coil spring 49 that abuts the upper end of the said casing and a plunger 50, carried by said link 46. A pin 51 in the lower open end of the casing being engaged by the notched portions 52 of the short ends 53 of the said angular levers 24. A trigger guard 54 connects the barrel 1 and the the handle grip.

To set or cock the hammer when it is in the position shown in Fig. 1 the extension 4, of the handle grip, is pushed inwardly thus causing the sides 10 of the cocking lever to move the levers 24, through the medium of the pins 31, breech block 25 and hammer 43 to cocked position. When the sides 10 encounter the bar 20 they are released from the pins 31. The rack 42 moves with the hammer until the tooth 41 is engaged by the sear 37. This action also causes the lever arms 53 to depress the spring casing 48 while the link 46 raises the plunger 50 and compresses the spring 49 between said plunger and the top of the spring casing.

The follower bar 22 has now advanced a cartridge to firing position. To discharge the cartridge the trigger 36 is pressed inwardly thus, through the medium of the link 35, disengaging the sear 37 from the rack. The spring 49 will now bring the hammer forcibly forward advancing the breech block and causing the firing pin to discharge the cartridge. The re-coil will reset the hammer and other co-operating elements and the gun can be fired repeatedly.

What is claimed is:—

1. In an automatic pistol, a handle grip, an extension therefor movable relatively thereto, cocking levers carried by said extension and extending into said handle grip, a breech block, a firing pin carried thereby, a hammer contiguous to said breech block, releasable connection between said breech block and cocking levers, a trigger, a sear operatively connecting said trigger and hammer, and recoil mechanism connecting said releasable connection and hammer whereby the latter is automatically cocked after each discharge of the pistol.

2. In an automatic pistol, a handle grip, an extension therefor movable relatively

thereto, cocking levers carried by said extension and extending into said handle grip, a breech block, a firing pin carried thereby, a hammer contiguous to said breech block, angular levers fulcrumed in said handle grip and connected to said breech block, releasable connection between said levers and said cocking levers, a trigger, a sear operatively connecting said trigger and hammer, and recoil mechanism connecting said angular levers and hammer whereby the latter is automatically cocked after each discharge of the pistol.

3. In an automatic pistol, a handle grip, an extension therefor movable relatively thereto, cocking levers carried by said extension and extending into said handle grip, a breech block, a firing pin carried thereby, a spring finger carried by said breech block and extending outwardly beyond one end thereof, a hammer contiguous to said breech block, releasable connection between said breech block and cocking levers, a trigger, a sear operatively connecting said trigger and hammer, and recoil mechanism connecting said releasable connection and hammer whereby the latter is automatically cocked after each discharge of the pistol.

4. In an automatic pistol, a handle grip, an extension therefor movable relatively thereto, cocking levers carried by said extension and extending into said handle grip, means for yieldingly retaining said extension in a predetermined position relative to said handle grip, a breech block, a firing pin carried thereby, a hammer contiguous to said breech block, angular levers fulcrumed in said handle grip and connected to said breech block, pins carried by said levers for engagement with said cocking levers, a release bar for said cocking levers, a spring casing connected to said angular levers and movable therewith, a spring confined within said casing, and connection between said hammer and the said spring for compressing the same.

In testimony that I claim the foregoing as my own I have hereto affixed my signature.

JOHAN EMIL ERIKSEN.