

No. 733,681.

PATENTED JULY 14, 1903.

J. T. S. SCHOUBOE.  
AUTOMATIC FIREARM.  
APPLICATION FILED JAN. 20, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

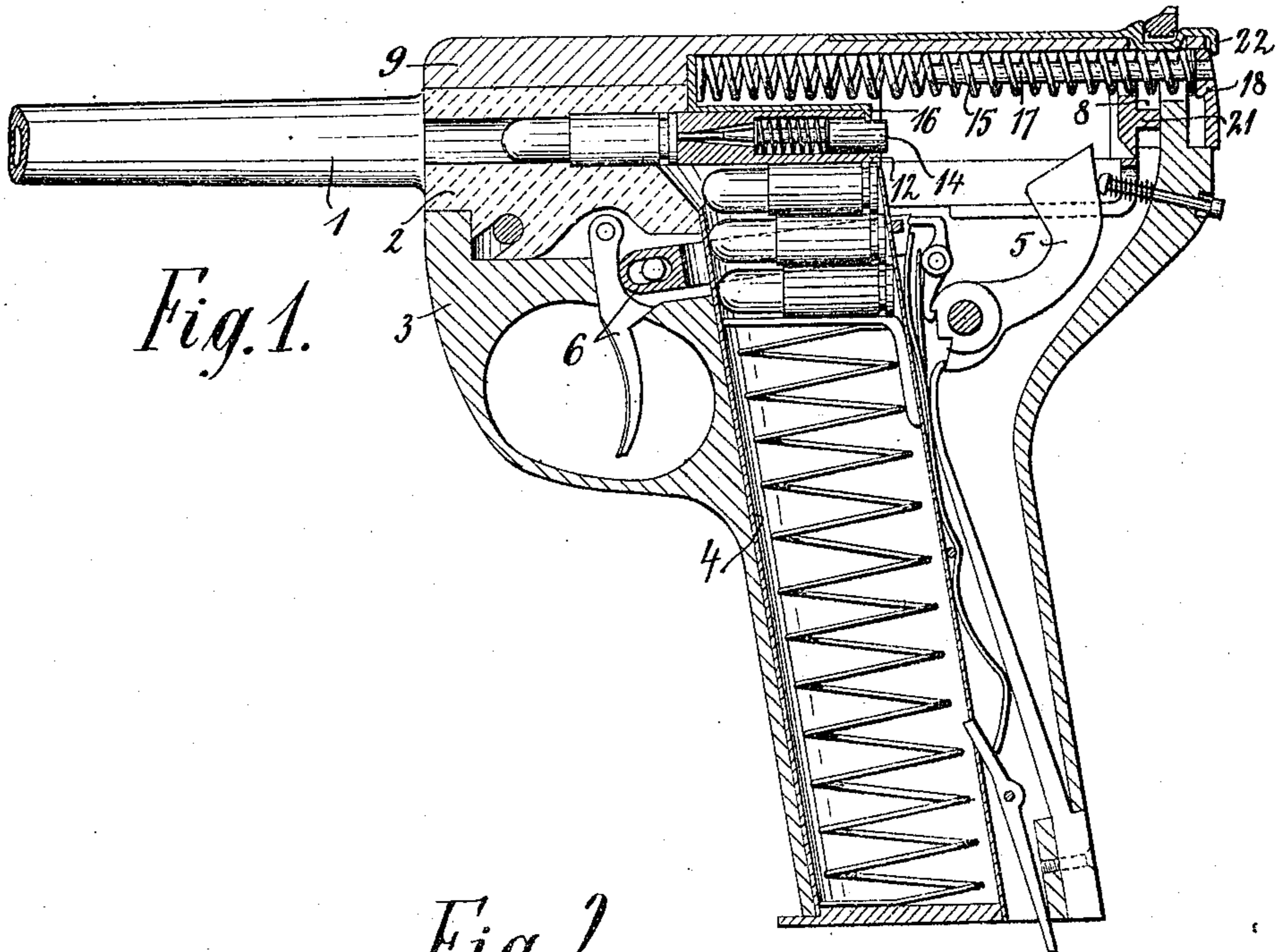


Fig. 1.

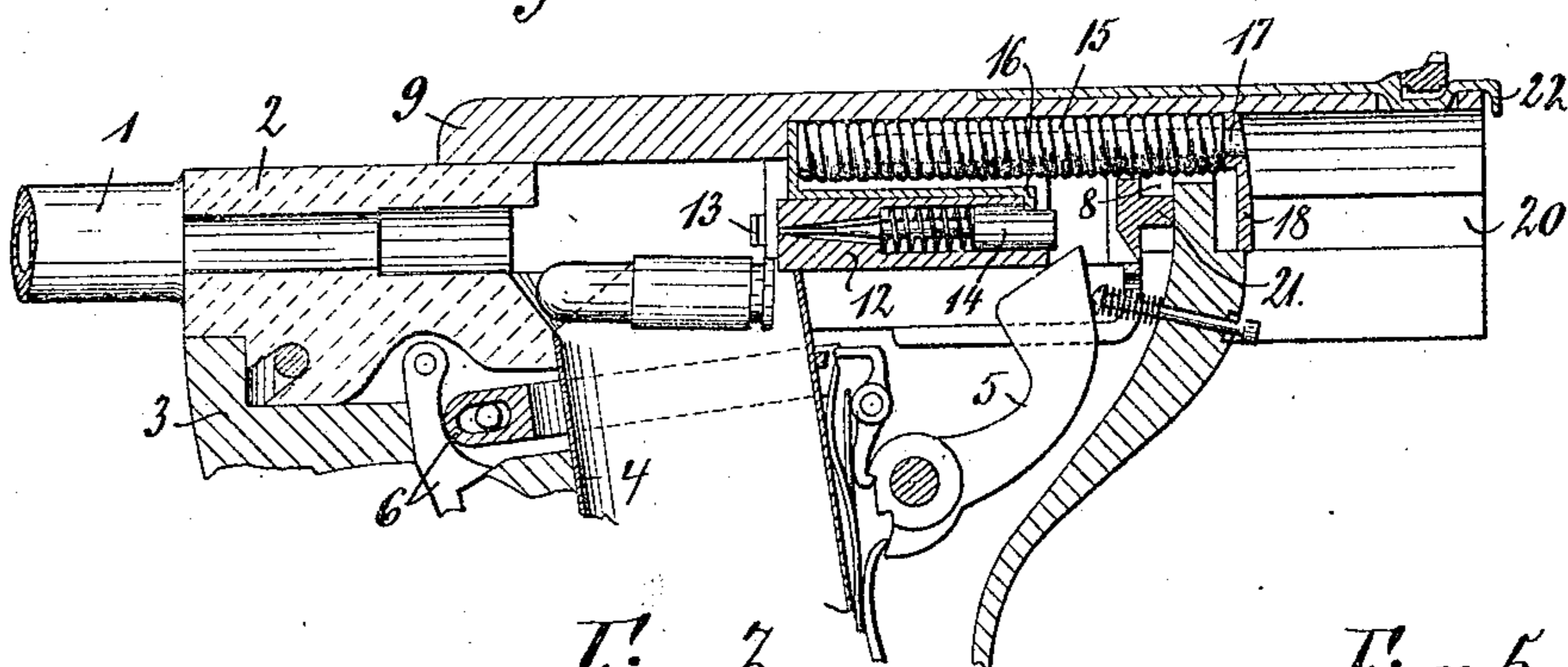
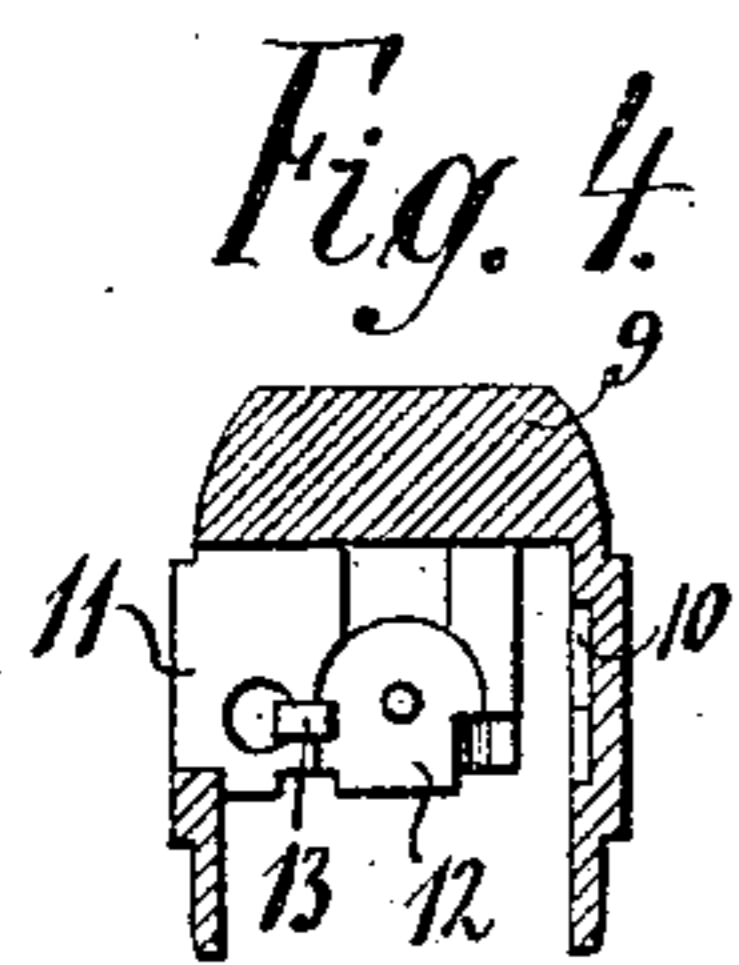


Fig. 2.



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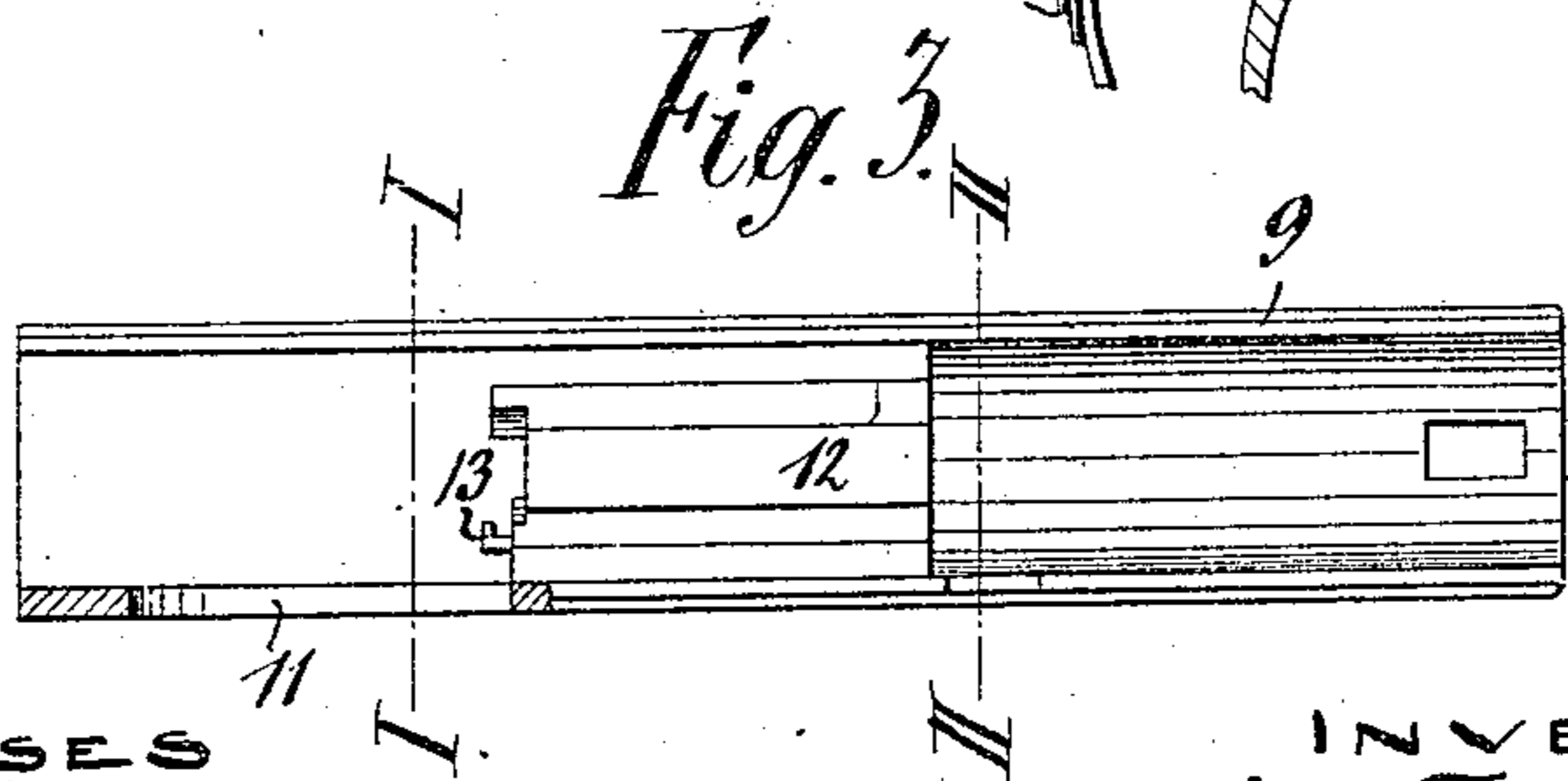


Fig. 3.

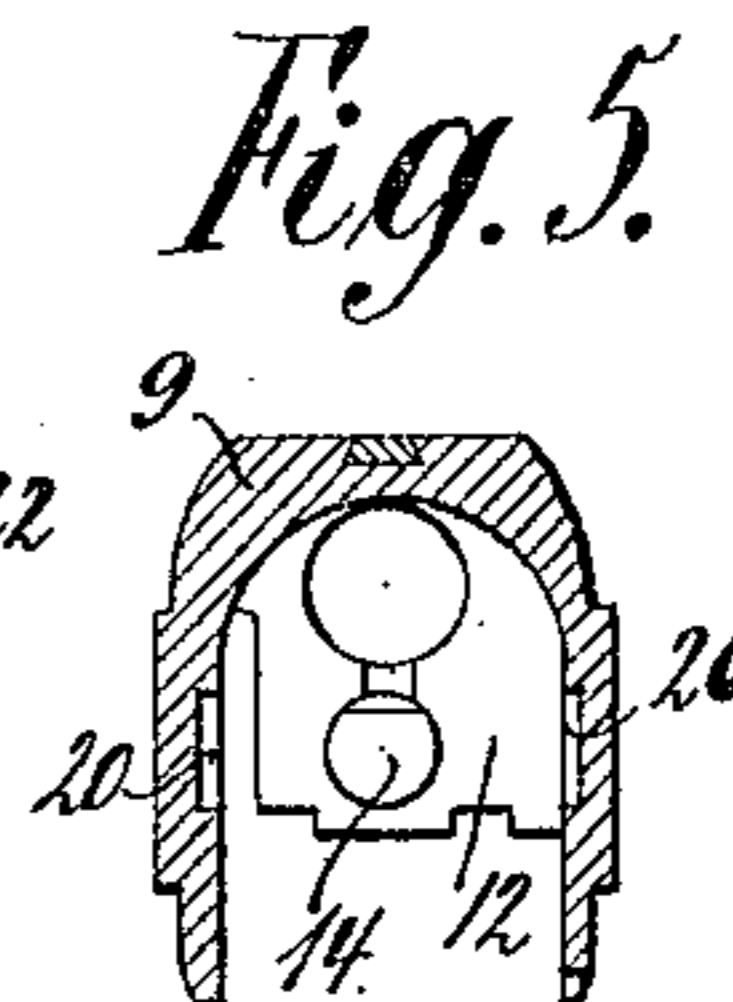


Fig. 5.

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Jens Theodor Schar Schouboe  
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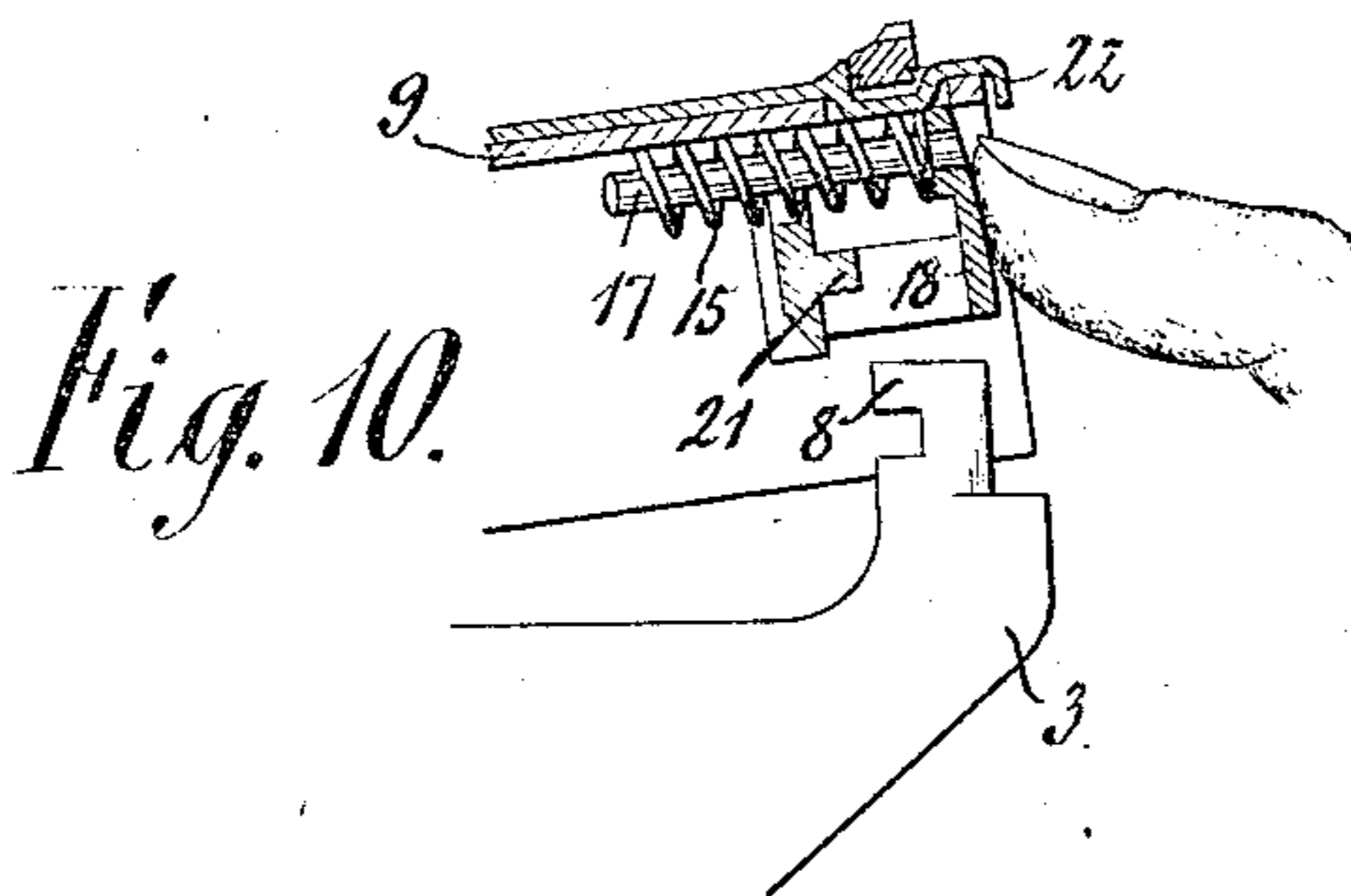
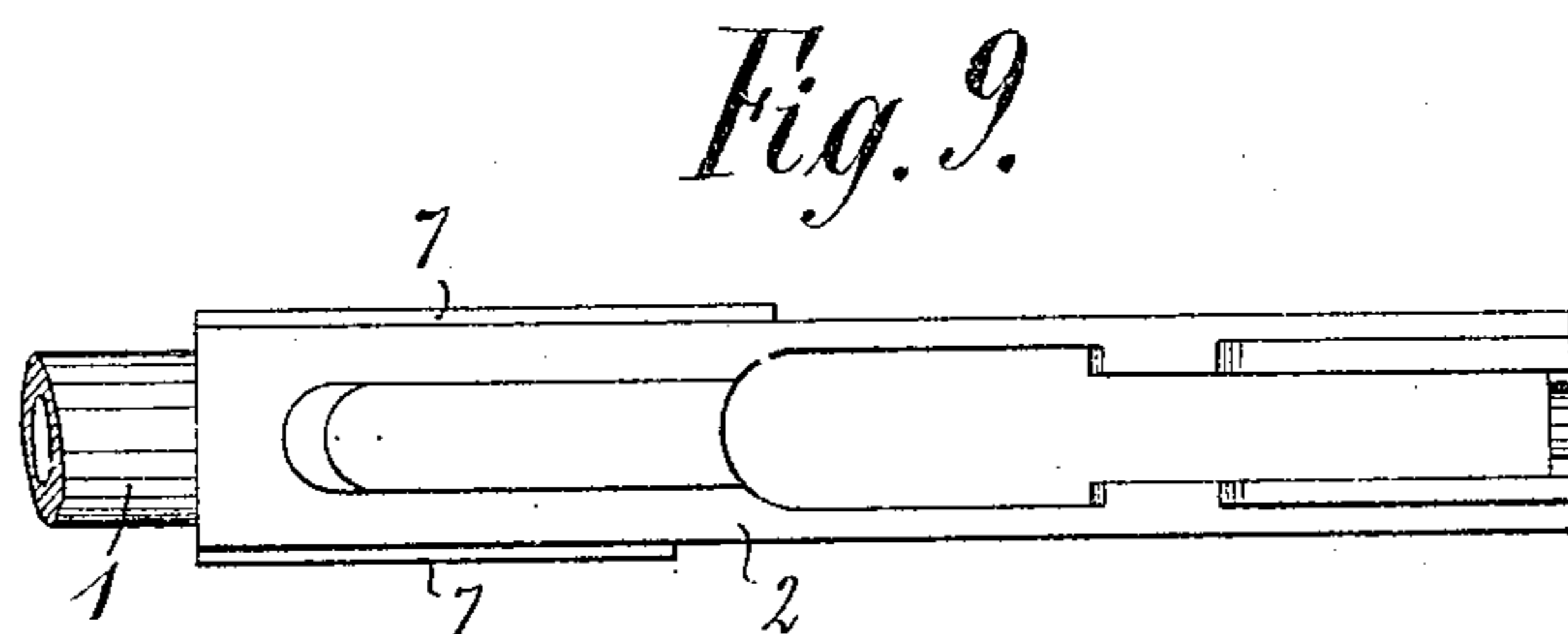
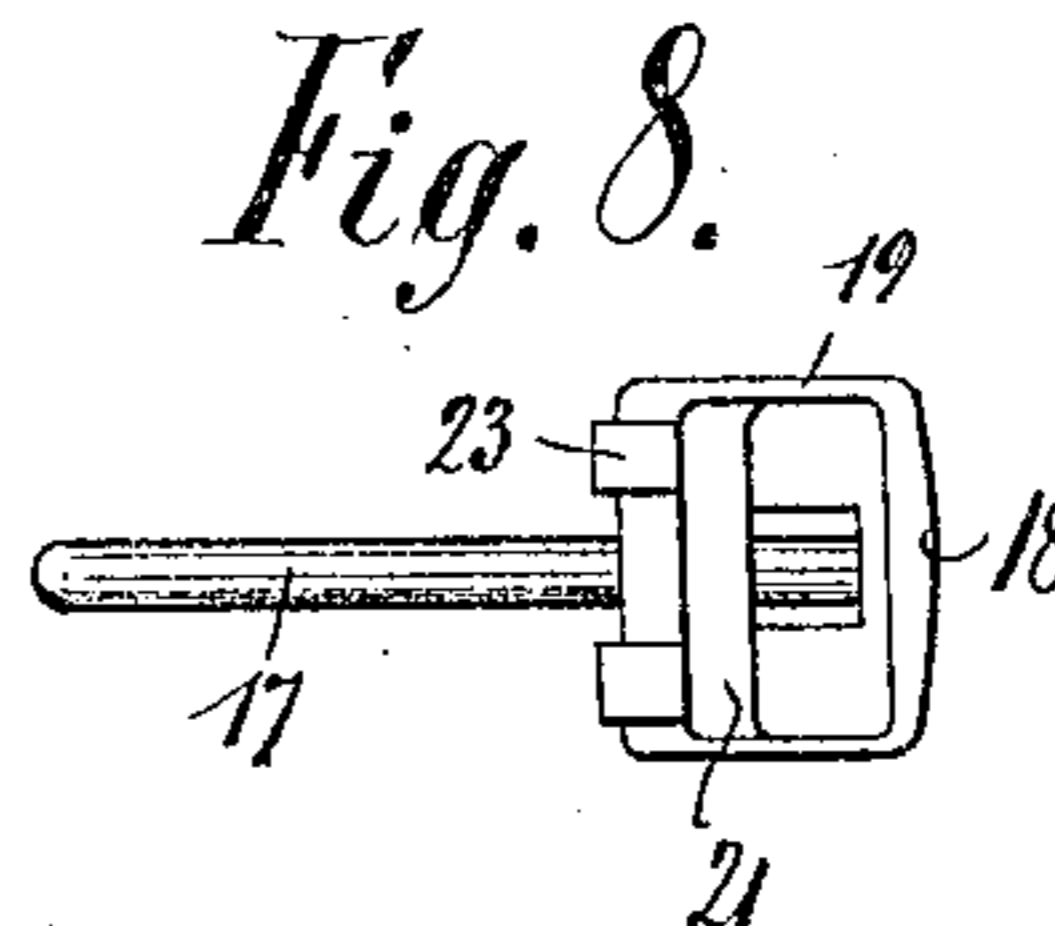
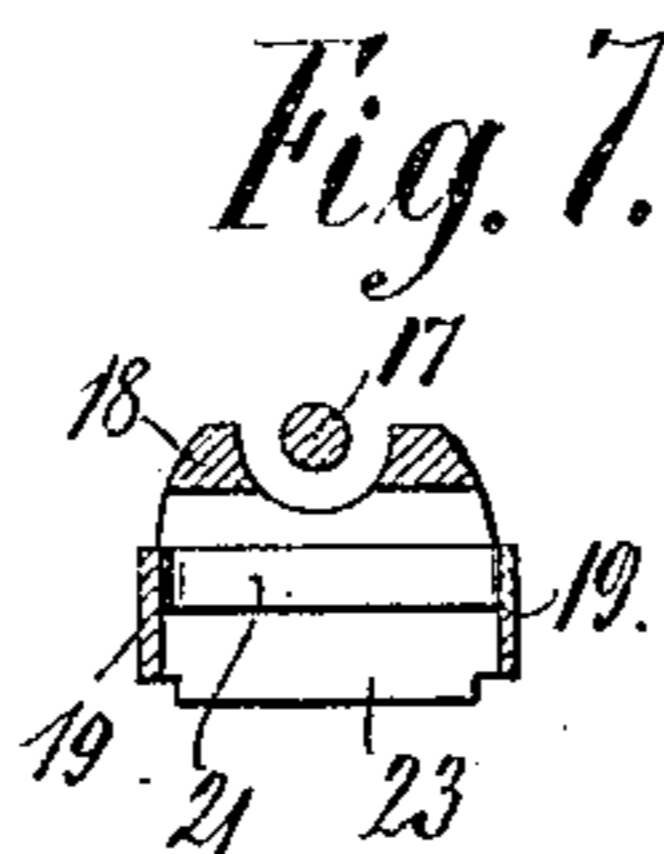
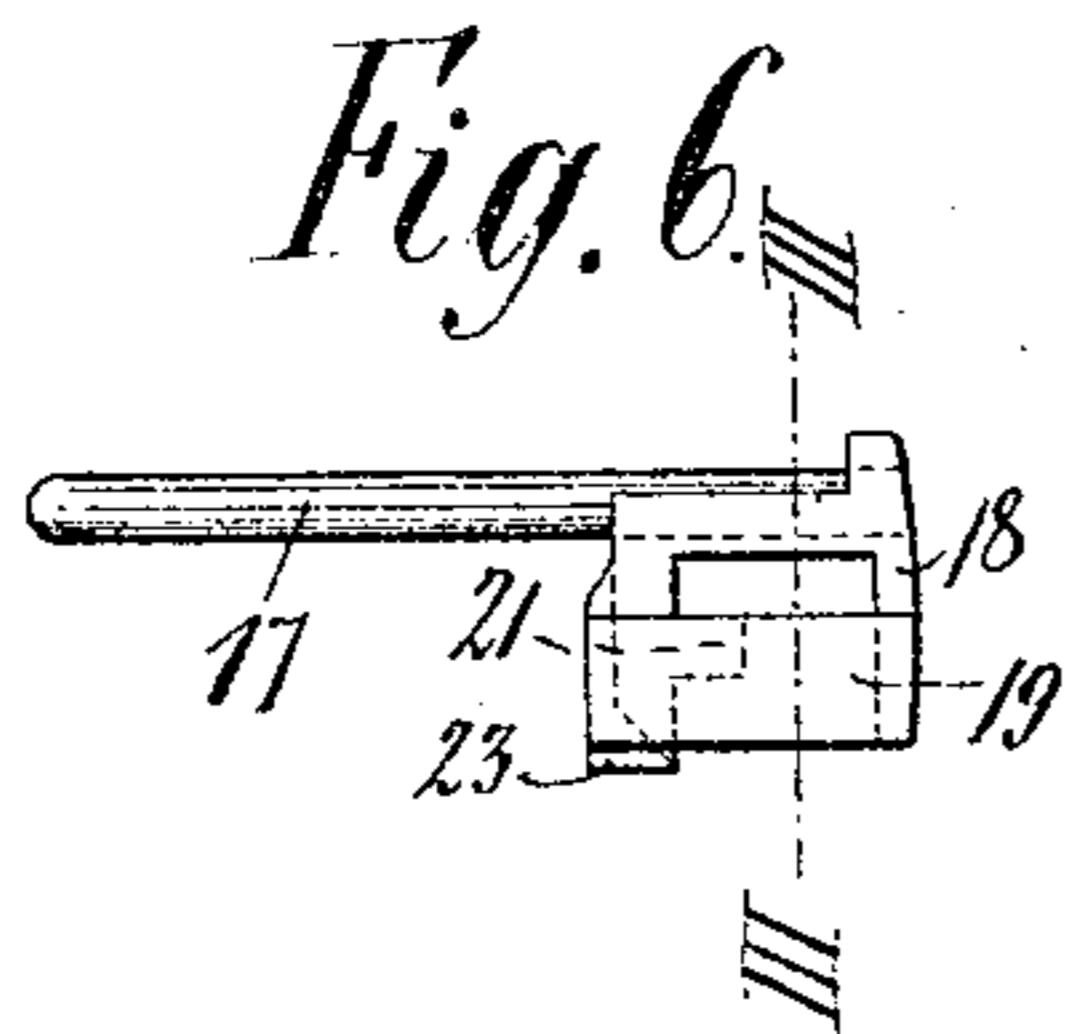
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2 SHEETS—SHEET 2.



WITNESSES

H. M. Kuehne  
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*[Signature]*

ATTORNEYS

## UNITED STATES PATENT OFFICE.

JENS THEODOR SUHR SCHOUBOE, OF RUNGSTED, DENMARK.

## AUTOMATIC FIREARM.

SPECIFICATION forming part of Letters Patent No. 733,681, dated July 14, 1903.

Application filed January 20, 1903. Serial No. 139,833. (No model.)

*To all whom it may concern:*

Be it known that I, JENS THEODOR SUHR SCHOUBOE, first lieutenant, a subject of the King of Denmark, residing at Rungsted Lade-  
 5 gaard, Rungsted, Denmark, have invented a new and useful Recoil Mechanism in Self-Loading Pistols with Fixed Barrels, of which the following is a specification.

The present invention refers to a recoil  
 10 mechanism in self-loading pistols with fixed barrels characterized thereby that the breech-block is in one piece with a U-shaped receiver, which during the backward and forward move-  
 15 ment of the breech-block completely covers the lock mechanism and at the same time, together with a closing-piece, forms the connection between the main parts of the pistol, the said receiver being inside supplied with  
 20 grooves which gear partly with projections in the barrel extension firmly connected with the barrel and which in its turn in known manner is connected with the handle and  
 25 partly with projections on the closing-piece, which is forced rearward by the recoil-spring and held by hooks in the handle, while it at the same time with its foot rests upon the top of the rear end of the barrel extension, which is thereby kept in place.

The invention is shown on the accompany-  
 30 ing drawings, wherein—

Figure 1 is a vertical section of the entire mechanism. Fig. 2 shows the recoil mechanism and the positions of the various parts at the end of the recoil. Fig. 3 is a bottom plan  
 35 view of the receiver, with the breech-block. Fig. 4 shows a section on the line I I of Fig. 3. Fig. 5 shows a section on the line II II of Fig. 3. Fig. 6 is a side view of the closing-piece. Fig. 7 shows a section on the line III  
 40 III of Fig. 6. Fig. 8 is an under side view of the closing-piece. Fig. 9 is a bottom plan of the breech end of the barrel and the barrel extension. Fig. 10 shows the back part of the cover and of the pistol with the closing-  
 45 piece pressed inward, so that the pistol can be dismembered.

The pistol consists of the barrel 1, firmly connected with the barrel extension 2, which in known manner is connected to the handle  
 50 3. In this handle there is in known manner arranged magazine 4, hammer 5, trigger ar-

rangement 6, and the appurtenant springs. On the sides of the barrel extension are ribs 7. The handle is in the rear finished off with two hooks 8. The breech-block and recoil mechan- 55  
 60 ism are placed in a U-shaped receiver 9, catching over the barrel extension. The said receiver 9 has inside and in front on each side a groove 10, corresponding to the ribs 7, and on the right side an opening 11, through which the  
 65 empty cartridge-case is ejected. Immediately behind this opening is the breech-block 12, which forms one piece with the receiver. The ejector 13 is placed in the right side of the breech-block. Lengthwise through the 65  
 70 breech-block is a boring for the firing-pin 14 and above this a boring for the recoil-spring 15. The firing-pin is held in place by a hook 16, actuated by the recoil-spring or in any other suitable way. That part of the recoil- 70  
 75 spring which lies outside the boring is guided by a pin 17, firmly fixed in a closing-piece 18. This latter part (see Figs. 6, 7, 8) has on the outer sides guides 19, corresponding to  
 80 grooves 20 inside the rear end of the receiver. (See Fig. 2.) The closing-piece is hollow, and the foremost end of this cavity has a rear-  
 85 ward projection 21, around which the hooks 8 will catch when the closing-piece is forced backward by the recoil-spring. The closing- 85  
 90 piece ends in front and below in a foot 23, which bears against the upper part of the rear of the barrel extension, which thereby is kept in place. On top of the receiver and in the rear is a spring-hook 22, which catches 85  
 95 over the upper rim of the closing-piece, thereby preventing this from being thrown rearward by the recoil-spring when the pistol is taken to pieces. This is done in this way that after the magazine having been re- 90  
 100 moved the closing-piece is with the right thumb pushed so much forward that the projection 21 shows clear of the hooks 8, (see Fig. 10,) whereupon the left hand presses down upon the barrel, which is made free, 95  
 105 together with barrel extension, breech-block with receiver, and closing-piece, so that the receiver 9 can be disconnected from the barrel and barrel extension. If it be desired to separate the weapon further, the hook 22 is 100  
 110 raised and the closing-piece and recoil-spring can be removed.

The recoil mechanism acts in the following manner: When the pistol is fired, the pressure of the powder-gas will force the breech-block and with it the receiver rearward, whereby the hammer is recoiled, the empty cartridge-case ejected, and a fresh cartridge brought up from the magazine. The recoil-spring tightened thereby will again force forward the breech-block, whereby the cartridge coming from the magazine is introduced into the chamber. The pistol is now again ready for fire. In order to cock the pistol for the first shot, the receiver is with the left hand carried backward and released when brought as far back as it will go. The sides of the receiver are therefore knurled on the outside.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a firearm, the combination with a frame and a barrel carried by said frame, of a receiver, a breech-block connected therewith, a closing-piece at the rear of the frame, a spring between said receiver and closing-piece, said receiver being adapted to slide on the frame, substantially as described.

2. In a firearm, the combination of the frame, a barrel carried thereby having an extension, a closing-piece resting on the extension of the barrel and the frame, a projection on the closing-piece, a hook on the frame engaging therewith, a receiver, a breech-block connected therewith, a spring between said receiver and closing-piece, said spring keeping the projection and hook in

engagement, said receiver sliding on the frame and closing-piece, substantially as described.

3. In a firearm, the combination with a frame and a barrel carried by said frame, of a receiver, a breech-block connected therewith, a removable closing-piece at the rear of the frame, a spring between said receiver and closing-piece and tending to hold the closing-piece normally in position, the said receiver being adapted to slide on the frame and closing-piece, substantially as described.

4. In a firearm, the combination with the frame and a barrel carried thereby, of a receiver, a closing-piece at the rear of the receiver detachably connected with the frame and a spring between the receiver and closing-piece for holding the latter in place, substantially as described.

5. In a firearm, the combination with a frame and a barrel carried by said frame, of a receiver, a removable closing-piece at the rear of the frame, a projection on the closing-piece, a hook on the frame engaging therewith, said closing-piece having a portion outside of the hook and a portion on the inside of the hook and a spring for keeping the closing-piece in engagement with the hook, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JENS THEODOR SUHR SCHOUBOE.

Witnesses:

A. POULSEN,

F. BELSCHNER.