

(No Model.)

F. H. SIMONTON.  
BREECH LOADING GUN.

No. 436,726.

Patented Sept. 16, 1890.

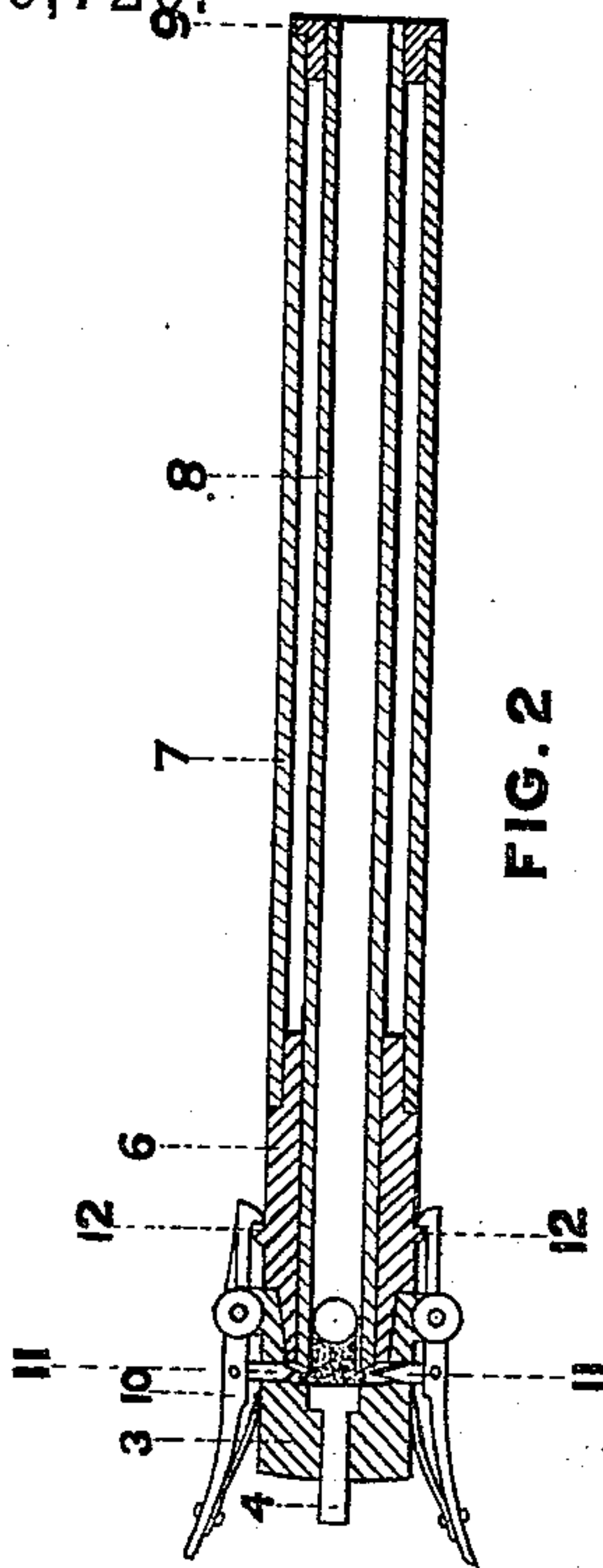


FIG. 2

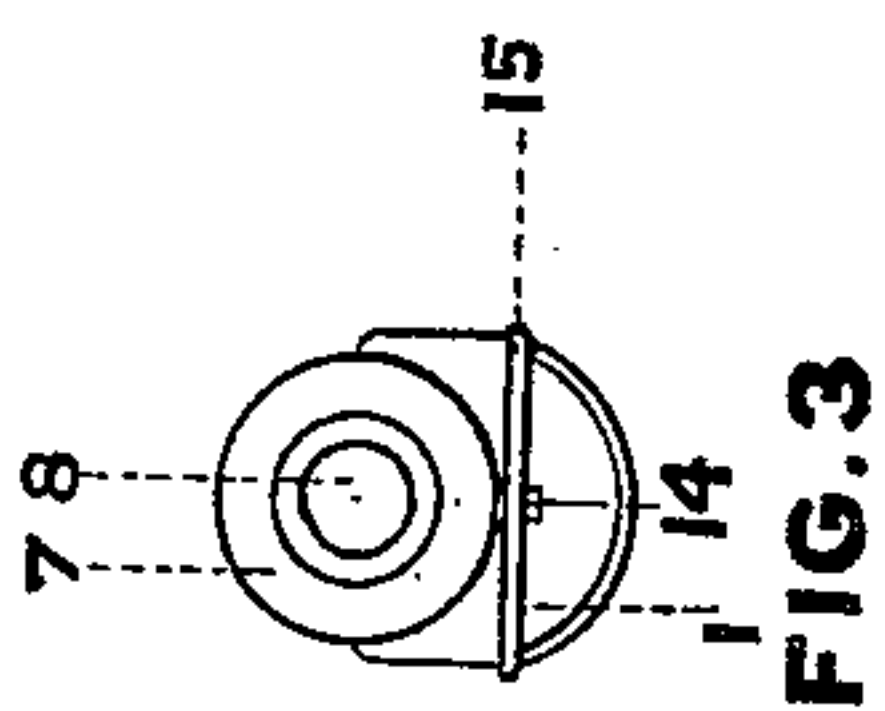


FIG. 3

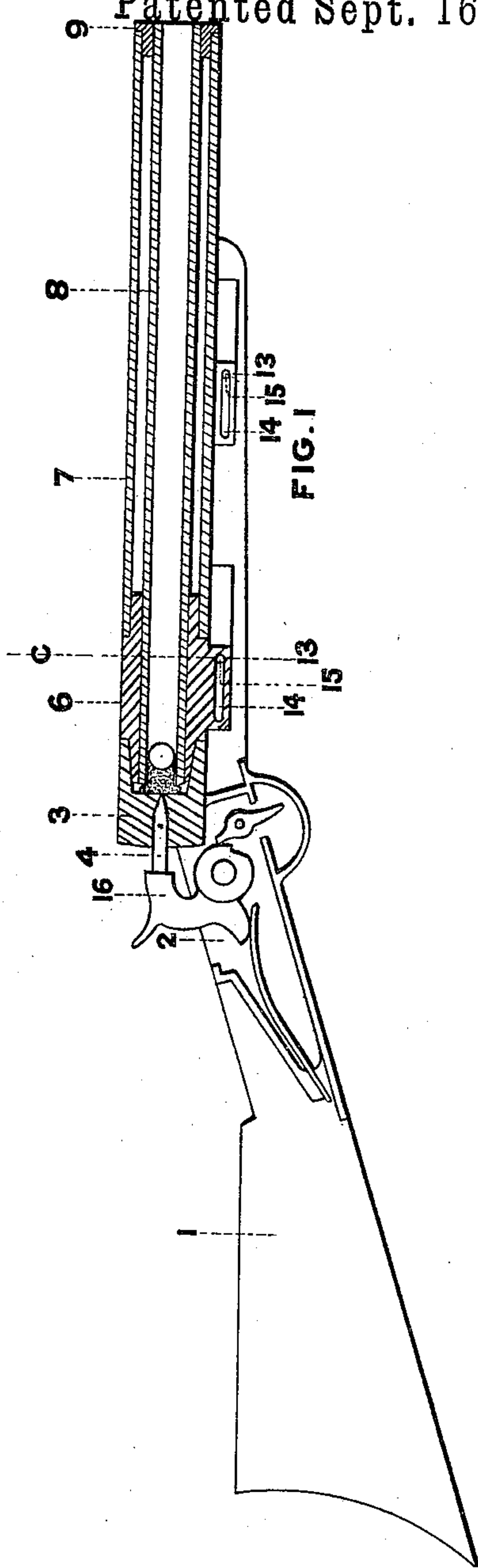


FIG. 1

WITNESSES

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INVENTOR

*Frank H. Simonton*

# UNITED STATES PATENT OFFICE.

FRANK H. SIMONTON, OF PATERSON, NEW JERSEY, ASSIGNOR TO THOMAS  
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## BREECH-LOADING GUN.

SPECIFICATION forming part of Letters Patent No. 436,726, dated September 16, 1890.

Application filed March 13, 1890. Serial No. 344,584. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK H. SIMONTON, a citizen of the United States, residing at Paterson, in the county of Passaic and State of New Jersey, have invented new and useful Improvements in Breech-Loading Guns, the object being to provide a cheap and at the same time safe gun intended to shoot a cartridge, with proper means for loading and removing the cartridge-shell after firing.

I attain the objects by the mechanism and parts illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal cross-section of the gun. Fig. 2 is a sectional plan view of the barrel of the gun and plugs. Fig. 3 is a cross-section through C in Fig. 1.

Similar figures refer to similar parts in all the views.

1 represents the stock; 2, the lock; 3, the stand or guard, and 4 is a pin through the same, which is enlarged, on one end, so that it cannot be forced back through the guard 3. In the front part of the guard is a chamber of a size just sufficient to receive plug 6. Plug 6 is designed and adapted to hold a cartridge, as shown in Figs. 1 and 2. This plug and the chamber in the guard may be dispensed with; but as a matter of safety I deem it wise to use them, because when used the cartridge is entirely within the gun. 7 and 8 are two tubes, the bore of the inner tube serving for the bore of the gun-barrel, and are held in position by plugs 6 and 9, and together with the said two plugs form the gun-barrel.

10 represents the spring-catches placed on the stand or guard 3.

11 represents a catch on each spring-catch 10, and they pass through holes made in guard 3, so that when spring-catches 10 are compressed the ends will catch the cartridge just in front of its head.

12 represents lugs on the outside of the barrel, 13 lugs on the under side of the barrel, and 14 longitudinal slots in said lugs.

15 represents pins which pass through the stock and the slots 14, the object of the pins being to prevent the barrel from moving backward or forward beyond the length of the slots and to hold it down in position on the stock.

16 is the hammer of the lock.

The stock may be of wood, the plugs, guard, and lock of cast-iron, and the tubes composing the barrel of metal of sufficient strength to hold the pressure, or the barrel may be an ordinary rifle-barrel with the plug 6 attached. The form of the spring-catches may be changed, or they may be placed on the barrel and the lugs on the guard.

The manner of operating the gun is as follows: Spring-catches 10 are compressed and the lugs 12 on the barrel released. The barrel is pushed forward and a cartridge placed in plug 6. The barrel is then pushed back in position, the spring-catches 10 engaging with lugs 12 and holding the barrel firmly in position. The plug 6 enters the chamber in guard 3. The hammer 16 is pulled back and then thrown forward against pin 4, and the latter strikes the cap of the cartridge with sufficient force to explode it. After the cartridge is fired the spring-catches 10 are compressed, and the catches 11 are forced thereby against the cartridge and hold it firmly, while the barrel is pushed forward and the cartridge is released from the plug and then removed from the gun, which is again ready for another charge.

I am aware that many devices are used for removing the shell of the cartridge from the gun, as well as many modes of releasing the barrel, so that the cartridge can be inserted in the breech. I do not therefore claim the same broadly; but

What I do claim, and desire to secure by Letters Patent, is—

1. In a breech-loading gun, the combination of the following elements: a stock 1, lock 2, a guard 3, having a chamber adapted to receive plug 6 and also adapted to hold a movable pin, pin 4, a plug 6, adapted to hold a cartridge and also forming a part of the barrel, spring-catches 10 and lugs 12, detachably connecting the barrel and guard together, catches 11, connected with spring-catches 10 and moving crosswise through guard 3, and a barrel composed of tubes held in position by plugs and slidingly connected to the stock by lugs 13, provided with slot 14 and pins 15, the parts constructed and arranged substantially as and for the purpose set forth.

2. In a breech-loading gun, the combina-



tion of a gun-barrel having on its rear end and adapted to enter a chamber in the guard a plug adapted to receive a cartridge, and said barrel being detachably connected with the guard, with a guard having a chamber of a size to receive the said plug, and a movable pin through the guard, and the stock and lock, substantially as and for the purposes set forth.

3. In a breech-loading gun, the stock, the barrel slidingly connected with the stock by pins through slots in lugs on the barrel, and the rear end of the barrel forming a plug adapted to receive a cartridge and to enter a chamber in the guard when in position, combined with a guard attached to the stock having a chamber adapted to hold said plug and also having a hole connecting with the chamber and extending to the back of the guard adapted to receive a pin, a movable pin through the guard extending from the back of the guard into the chamber with the lock and hammer, spring-catches engaging with lugs, and catches that may be compressed about the shell of the cartridge, substantially as and for the purposes hereinabove set forth.

4. In a breech-loading gun, the combination of the stock, the barrel slidingly connected therewith by spring-catches attached to a guard fastened to the stock, said catches engaging with lugs on the barrel and also having attached thereto catches passing through opposite holes in the guard, a guard having

a chamber in the front end to receive the end of the barrel, and a movable pin extending through said guard and into said chamber, substantially as and for the purposes set forth.

5. In a breech-loading gun, a barrel composed of tubes held in position by plugs on each end, the rear end plug being also adapted to receive a cartridge, and said barrel detachable from the guard, combined with a guard having a chamber to receive the rear plug and a movable pin extending through the guard into said chamber, the lock and stock, substantially as and for the purposes set forth.

6. The combination of spring-catches and catches 11 with the guard 3, having a chamber therein, and pin 4, extending through it, and a gun-barrel, substantially as and for the purposes set forth.

7. In a breech-loading gun, a barrel composed of metal tubes, the bore of the inner tube being the bore of the gun, said tubes held in position by plugs, the rear end plug being adapted to hold a cartridge, and said plugs, in combination with a guard fastened to the stock and having through it a movable pin, the barrel and guard detachably connected, substantially as and for the purposes hereinbefore set forth.

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Witnesses:

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