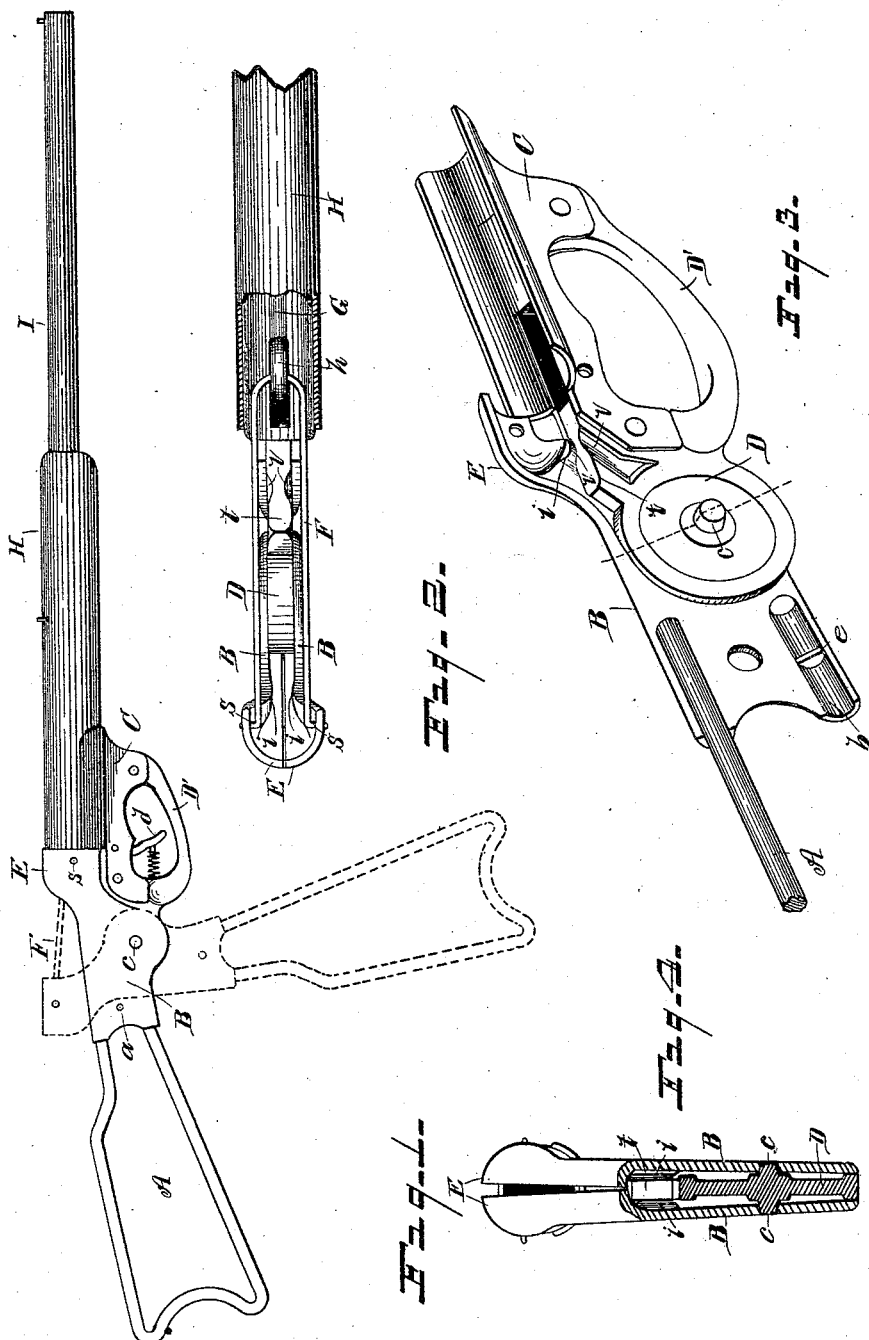


(No Model.)

C. J. HAMILTON.
AIR GUN.

No. 455,942.

Patented July 14, 1891.



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CLARENCE J. HAMILTON, OF PLYMOUTH, MICHIGAN.

AIR-GUN.

SPECIFICATION forming part of Letters Patent No. 455,942, dated July 14, 1891.

Application filed February 9, 1891. Serial No. 380,856. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE J. HAMILTON, a citizen of the United States, residing at Plymouth, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Air-Guns; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in air-guns; and it consists in a certain construction and arrangement of parts, as hereinafter fully set forth, the essential features of which being pointed out particularly in the claims.

In the accompanying drawings, forming a part of the specification, Figure 1 is a side elevation of an air-gun embodying my improved features, showing by dotted lines the stock "broken down," as when compressing the spring. Fig. 2 is an enlarged plan view of the stock and breech, said parts being in the position shown by dotted lines in Fig. 1, a portion of the rear end of the breech or false barrel being broken away to show the construction of parts. Fig. 3 is an enlarged perspective view of the stock, trigger-guard, and bed-plate detached from the barrel, one of the stock-plates being removed. Fig. 4 is a cross-section through the stock-plates on dotted line of Fig. 3.

Referring to the letters of reference, A indicates the stock skeleton or frame, which is made, preferably, of large wire bent in the desired form.

B indicates the stock-plates, which are cast in two parts and are secured together by the screw *a*. (Shown in Fig. 1.) The inner faces of the rear ends of said plates are provided with the recesses *b*, (see Fig. 3,) which, when said plates are placed together, form sockets that receive the ends of the stock A, which are securely retained therein by the lugs *c*, extending from the wall of said sockets that engage in corresponding indentures formed in the ends of said stock, which indentures are not shown.

C indicates the bed-plate for the false bar-

rel H, and which also forms a housing for the trigger *d*, said plate being secured to said barrel by soldering.

D indicates a bracket or dividing-plate formed integral with the trigger-guard *D'*, and which is secured to the bed-plate C in any desired manner. The rear end of said plate D lies between the stock-plates B, and is provided with trunnions *c*, that have bearings in the opposite sides of said plates, as clearly shown in Fig. 4. By this construction the stock A and plates B become a lever, of which the trunnions *c* is the fulcrum.

The forward ends of the stock-plates B curve upwardly and terminate in segmental globes E, that form a complementary breech to the gun. The adjacent forward edges of the plates B, below the globular end portions E, are provided with the inwardly-extending lugs *i*, that engage in the recesses *v* in each side of the plate D and lock the stock when in the position shown in Figs. 1 and 3.

F indicates a connecting-link, the rear ends of which are bent at right angles and pivotally secured in the adjacent inner faces of the end portions E of the plates B, as shown at *s* in Fig. 2, the opposite end of said link being coupled to the hook *h* in the rear end of the rod G, that carries the piston, and which compresses the spring when actuated by the link F, said piston and spring (not shown) being located in the cylinder or false barrel H, to which is connected the true barrel I, which construction is such as is in common use. The spring of the gun is compressed by "breaking down" the stock, the plates B of which being pivoted or fulcrumed on the trunnions *c*, the ends E thereof, to which the link F is attached, are thereby thrown rearward, drawing the rod G and compressing the spring, which position of parts is shown in Fig. 2 and by dotted lines in Fig. 1. A detent actuated by the trigger engages the hook *h* of the rod G when drawn back and holds the spring compressed. The stock is then returned to the position shown in Fig. 1, when the gun is ready to be discharged, which is accomplished by pulling upon the trigger in the ordinary manner.

As the stock is thrown down in compressing the spring, the lugs *i* on the inner faces of the plates B ride out of the depressions *v*

in the plate D and over the raised portion *t* thereof, springing said plates slightly apart, as shown in Fig. 4, the metal of which said plates are formed being sufficiently resilient to permit them to spring freely apart when the lugs are riding out of the depressions and to close together again when the stock is returned to the position shown in Fig. 1, so that the lugs *i* will re-engage in the depressions *v* and lock the stock in said position.

Having thus fully set forth my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an air-gun, the following conjoined elements: the bed-plate and bracket having trunnions thereon, and the stock-plates journaled on said trunnions and carrying the stock-skeleton, substantially as specified.

2. In an air-gun, and in conjunction, the bed-plate, the bracket attached thereto, the stock-plates, said stock-plates having a pivotal connection on the bracket, the link attached to said plates at one end and adapted to be coupled at its opposite end to the compression-rod, and the screw or rivet binding the stock-plates together.

3. In combination with the bed-plate, the bracket having the trigger-guard formed integral therewith, the metal stock-plates, said stock-plates being journaled on the bracket, and the link attached to said plates at one end and adapted to be coupled at its opposite end to the compression-rod, the stock-skeleton being secured to the metal stock-plates.

4. The combination, with the bed-plate having the bracket and trigger-guard attached

thereto, said bracket having a recess in one of its faces, of the stock-plates journaled on said bracket and having a lug to engage with the recess in the bracket, the link attached to said plates at one end and adapted to be coupled at its opposite end to the compression-rod, and the screw passing through the rear ends of the stock-plates.

5. In combination with the bed-plate, the bracket, the stock-plates journaled on the bracket and having means of locking to and unlocking from said bracket as the stock-plates are actuated, substantially specified.

6. In an air-gun, the false barrel, combined with the bed-plate having a rearwardly-extending bracket, the stock-plates pivoted on said bracket and having a stock-frame attached to the rear ends thereof, the spring-compression rod, and link coupling said rod to the stock-plates.

7. In combination with the bed-plate, the bracket having the trunnions and trigger-guard formed integral therewith, the two-part stock mounted on said trunnions, the link attached to said stock at one end and adapted to be attached at its opposite end to the compression-rod, and means for holding said stock on said trunnions, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

CLARENCE J. HAMILTON.

Witnesses:

E. S. WHEELER,
R. B. WHEELER.