

(No Model.)

O. C. BUTTERWECK.

TOY PISTOL.

No. 270,738.

Patented Jan. 16, 1883.

Fig. 1.

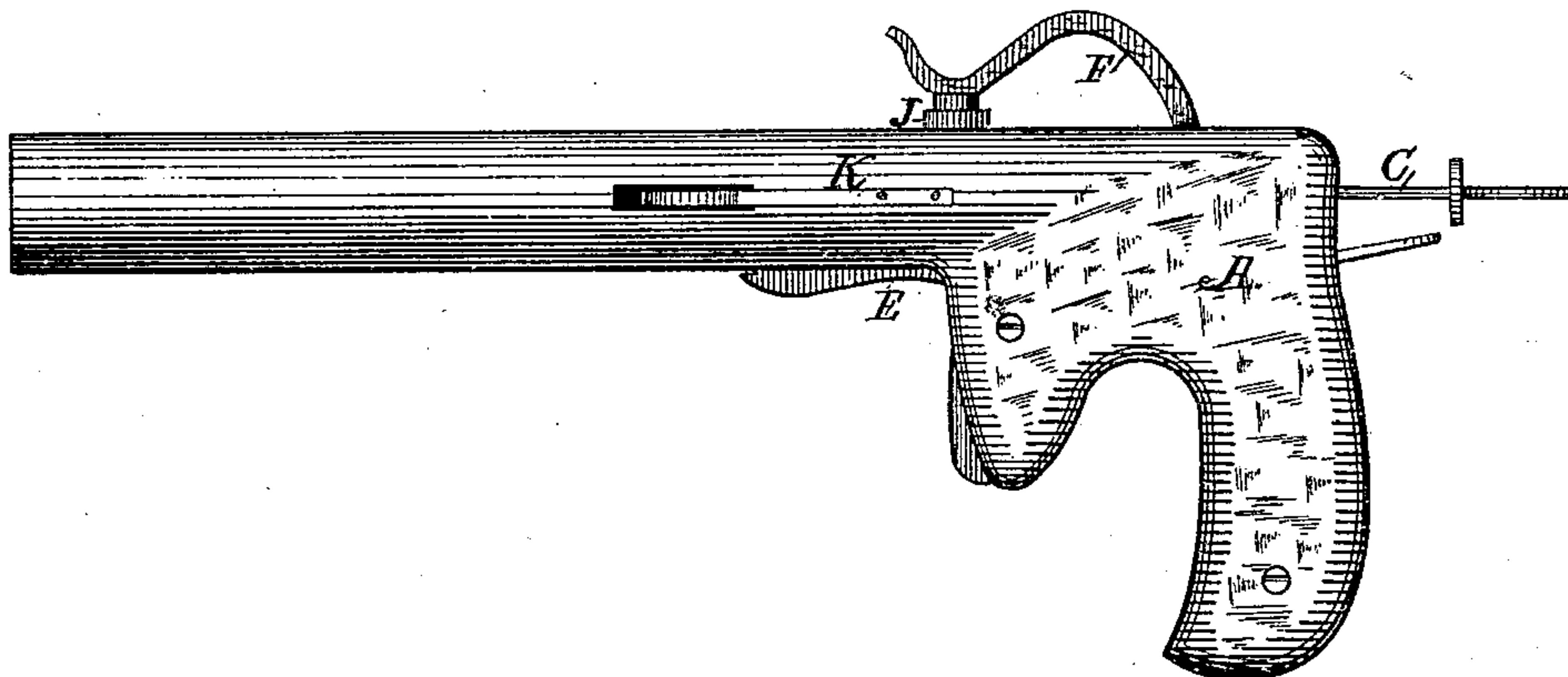
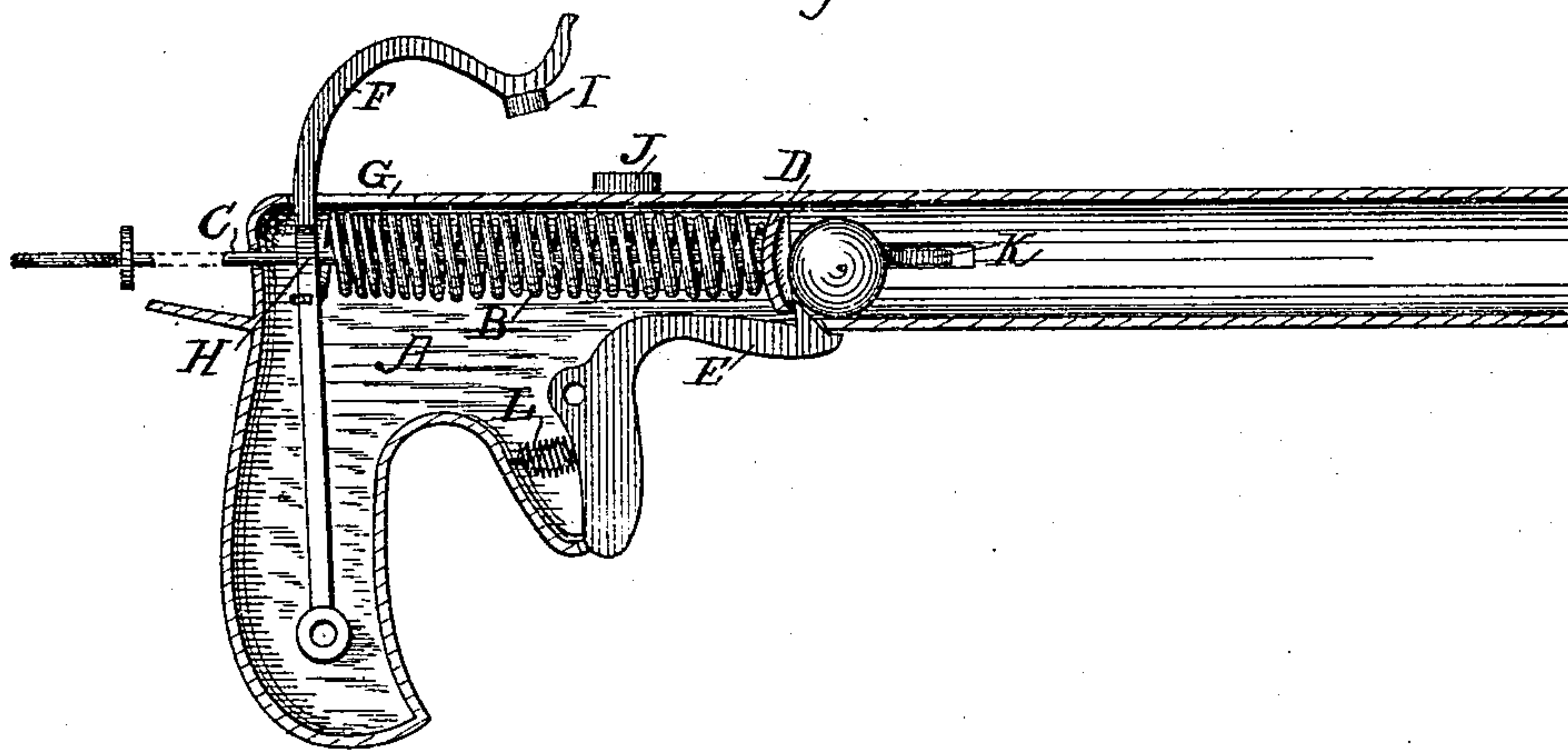


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

OTTO C. BUTTERWECK, OF ST. LOUIS, MISSOURI.

TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 270,738, dated January 16, 1883.

Application filed October 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, OTTO C. BUTTERWECK, of the city of St. Louis, in the State of Missouri, have invented a new and useful Improvement in Toy Pistols, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, forming part of this specification.

This invention is an improvement upon the toy pistol shown and described in Letters Patent No. 183,124, granted to me under date of October 10, 1876.

The object of my present invention is to provide a toy pistol which shall be adapted to explode caps and project marbles through the air by a single operation.

In the drawings, Figure 1 is a side elevation, and Fig. 2 is a longitudinal section, of my improved toy pistol.

A indicates the hollow stock, in the upper part of which is located the spiral spring B, surrounding the rod C, to the forward end of which is secured the concave-faced piston D; and E is the trigger, adapted to engage with the face of the piston to hold the spring in a compressed position preparatory to firing. The above-named elements are substantially the same as those shown in my aforesaid patent.

Instead of arranging the rear end of the spiral spring in contact with the rear inner surface of the stock, as in said patent, I connect the spring to a hammer, F, which is pivoted within and near the bottom of the stock, and has its upper end extended through a slot, G, in the upper part of the stock. The hammer is bent at H to accommodate the rod C, which should be centrally located, and it is provided with a projection, I, adapted to be forced against a cap placed in the holder J, when the piston is released by the operation of the trigger.

A marble or other projectile is to be placed in the barrel in front of the piston, in which position it will be lightly held by a spring, K, cured in a slot in one side of the barrel or stock, as shown in my aforesaid patent.

The trigger may be provided with a retaining-spring, L, consisting of a coil arranged between two projections, one on the trigger and the other secured to the inner surface of the trigger-guard at a point below the pivot of the trigger.

A shoulder on the trigger bears against the barrel and prevents the trigger from entering farther into the slot in the barrel than is necessary.

With the above construction a relatively longer coil-spring can be used than in other pistols, owing to the rear end of the spring being connected directly to the hammer, independent of the piston-rod; and as the piston-rod is to be drawn back through and beyond the stock a greater tension can be put upon the spring thereby than could be done where the rear end of said rod is connected to and limited in movement by the hammer, according to a well-known construction.

What I claim is—

The combination, with the stock, the trigger, the coil-spring, and the piston-rod, arranged within the coil-spring and adapted to be drawn back beyond the stock, of the pivoted hammer, connected to the rear end of the coil-spring and adapted to be retracted and set by the independent manipulation of the piston-rod, substantially as shown and described, and for the purposes specified.

OTTO C. BUTTERWECK.

Witnesses:

WM. F. CHAMBERLAIN,
E. H. CHAMBERLAIN.