

GEORGE A. JONES & H. H. WARNER.
 Improvement in the Striking Mechanism of Clocks.
 No. 115,481. Patented May 30, 1871.

FIG. 1.

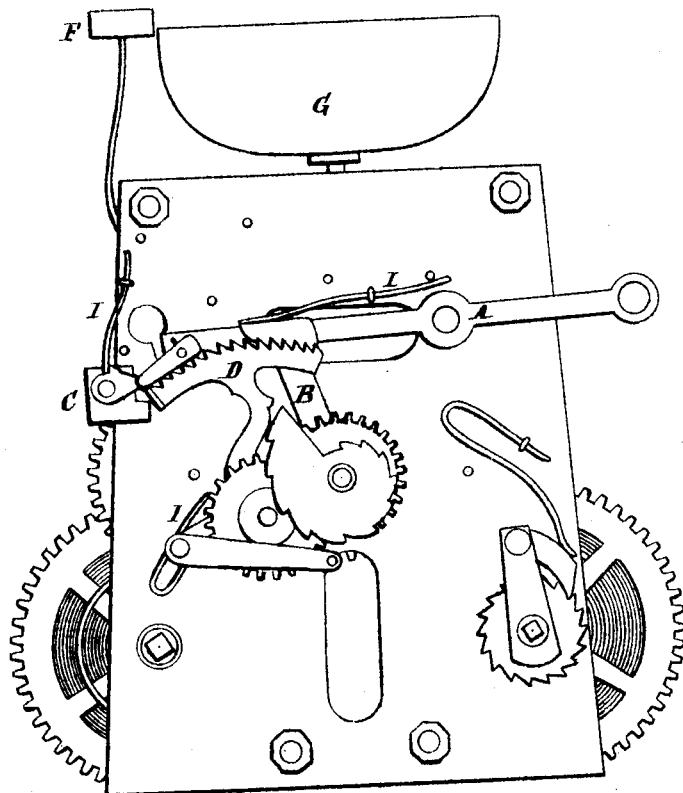


FIG. 3.

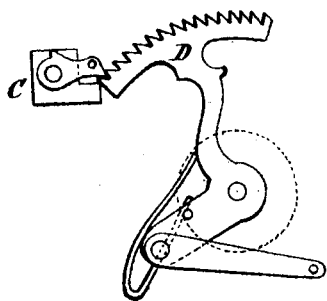
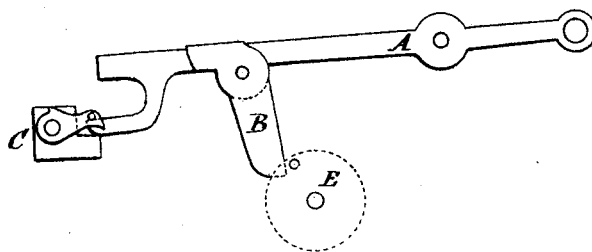


FIG. 2.



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 assignee of Geo. A. Jones
 and Horace H. Warner
 by atty A. Hollis.

WITNESSES. C. B. Nottingham,
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UNITED STATES PATENT OFFICE.

GEORGE A. JONES, OF NEW YORK, N. Y., AND HORACE H. WARNER, OF
BRISTOL, CONNECTICUT, ASSIGNORS TO GEORGE A. JONES.

IMPROVEMENT IN THE STRIKING MECHANISMS OF CLOCKS.

Specification forming part of Letters Patent No. 115,481, dated May 30, 1871.

To all whom it may concern:

Be it known that we, GEORGE A. JONES, of the city, county, and State of New York, and HORACE H. WARNER, of the town of Bristol, county of Hartford and State of Connecticut, have invented new and useful Improvements in the Striking Parts of Clocks, which render them more certain to strike the correct hour at all times, and to set the hands backward over the face without injury to the working parts.

Our improvements consist in combinations as hereinafter described.

In the accompanying drawing, Figure 1 is a front elevation of our invention as it appears with all the parts connected. Figs. 2 and 3 show the material portions in detail.

A designates a lever, with transverse piece B jointed so as to allow the pin on the disk E to pass back to the left without lifting the lever A, and thus enable the hands of a clock to be turned backward. A also combines with the ratchet or click C in such a way that when the pin on E turns to the right it lifts the lever A, which, in turn, lifts C out of the rack-work D, and allows the clock-work to set the hammer F in motion and strike the bell G. I I I are springs, arranged in such a manner as to lock all the parts and prevent a clock from striking when carried in any position, and also to enable the several parts and pieces to operate quickly and as desired.

The object we have in view is to simplify the construction of the striking mechanism,

and to adapt it to be made by machinery, so as to cheapen it, and to avoid the expensive hand-labor required by the methods heretofore in use. It has before this been suggested to permit the hands to be turned back by twisting the tail of a lifting-piece attached to the end of the lever A; but this will not answer, being very unreliable and not practicable unless done by hand.

In our arrangement we combine with the lever A a lever, B, hinged to the same between its axis of oscillation and the end which engages with the click C, and operated by a wheel, E, on the main shaft. By thus constructing and arranging these parts we are enabled to make them better and cheaper than could be effected by the old method.

We do not claim the snail nor the rack D, nor do we claim, broadly, a striking mechanism for clocks so constructed that the lifting-piece will allow the hands to be set back; but

What we do claim as our invention, and desire to secure by Letters Patent, is—

The lever A, and lever B hinged thereto, when the same are constructed and arranged for joint operation, as herein described, in combination with the click C, rack D, wheel E, and springs I, as shown and set forth.

GEO. A. JONES.

HORACE H. WARNER.

Witnesses:

CHAS. T. FOOTE,

MERWIN H. PERKINS.