

No. 827,952.

PATENTED AUG. 7, 1906.

L. H. BATTALIA.
PIANO ACTION.

APPLICATION FILED MAY 1, 1906.

Fig. 1.

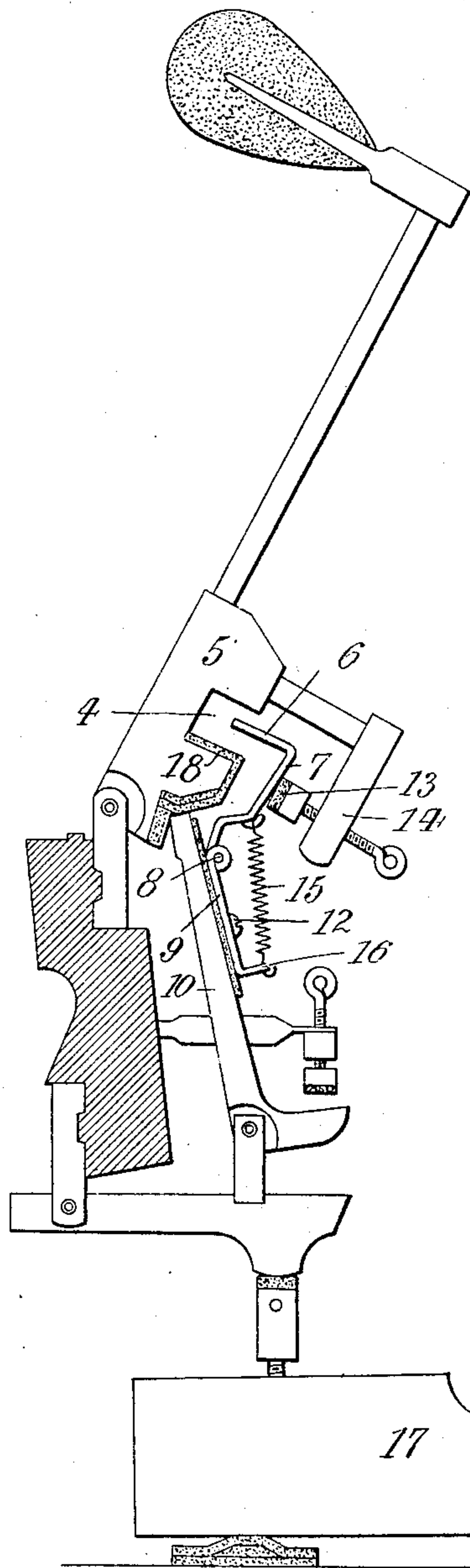


Fig. 3.

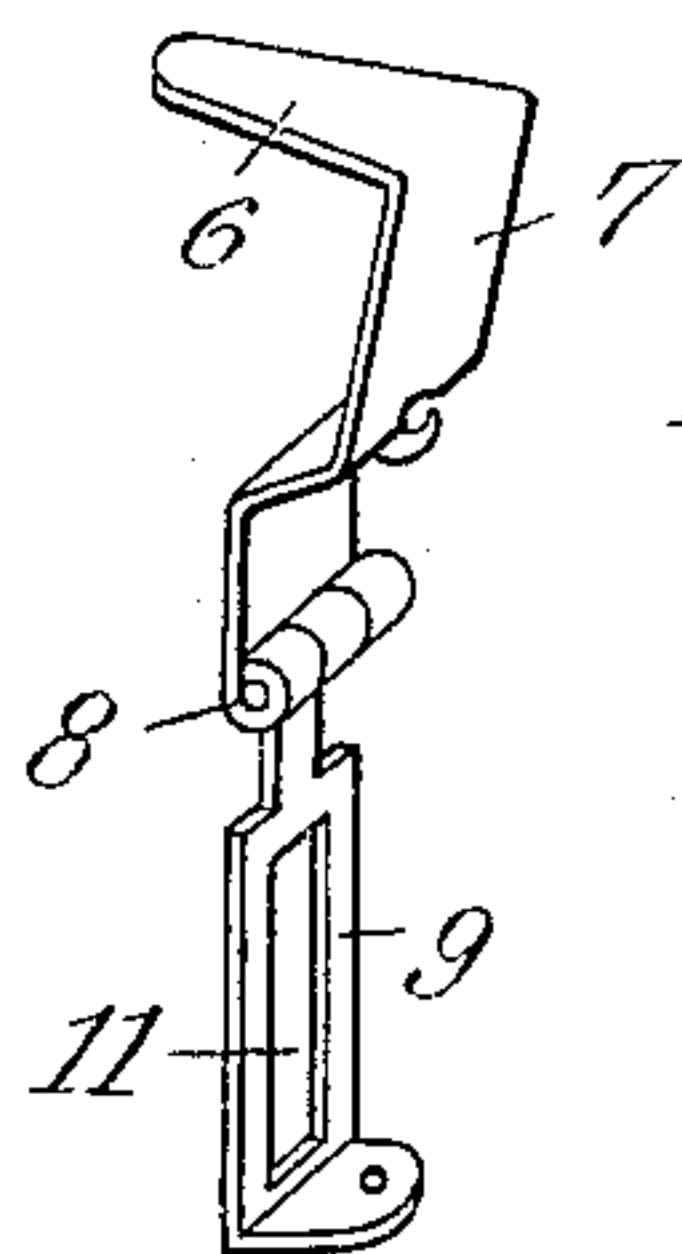
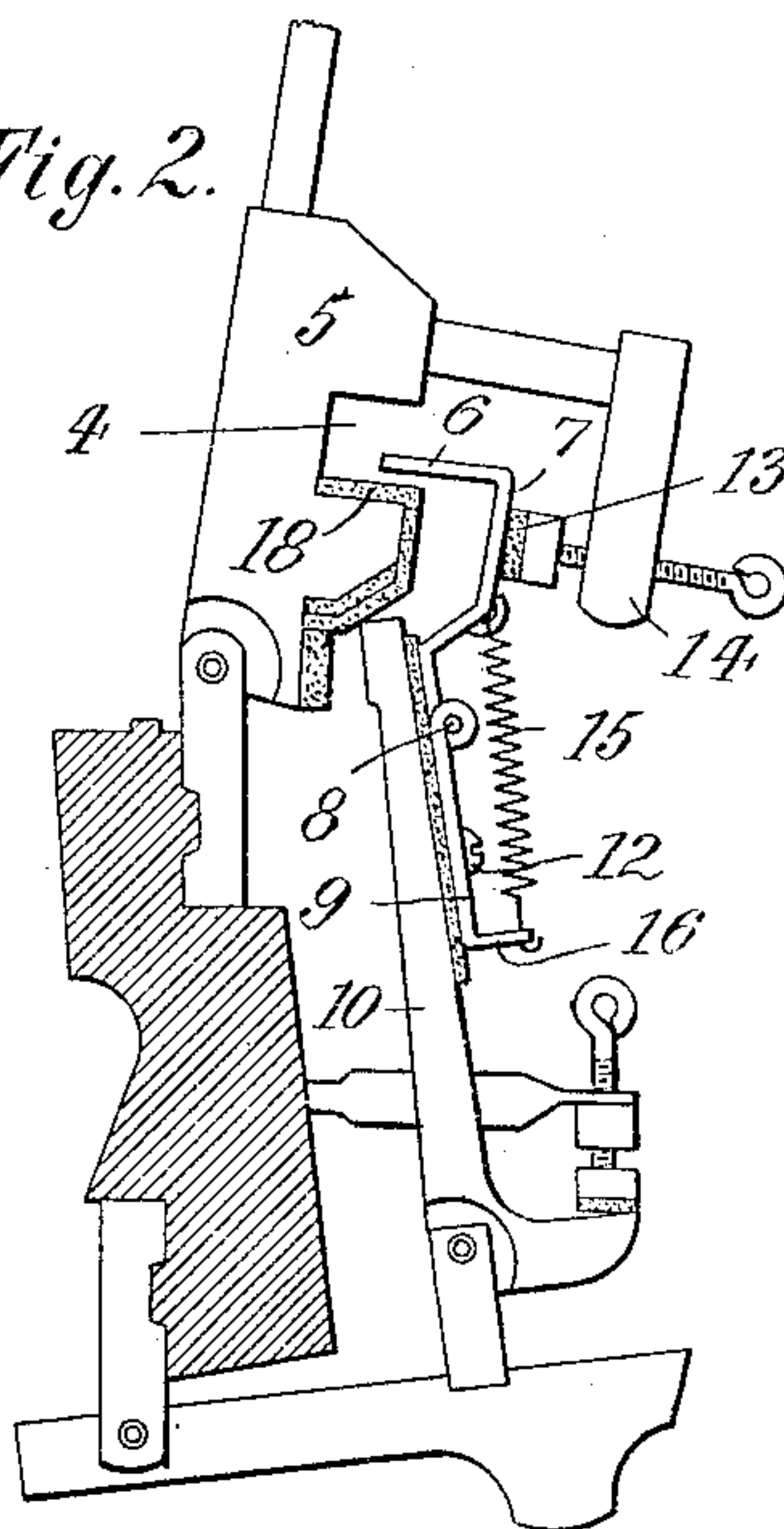


Fig. 2.



Witnesses:
Arthur Zump &
William Schulz.

Inventor:
Leo H. Battalia,
by Frank P. Briesen Atty.

UNITED STATES PATENT OFFICE.

LEO H. BATTALIA, OF NEW YORK, N. Y.

PIANO-ACTION.

No. 827,952.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed May 1, 1906. Serial No. 314,711.

To all whom it may concern:

Be it known that I, LEO H. BATTALIA, a citizen of the United States, residing at New York city, Manhattan, county and State of New York, have invented new and useful Improvements in Piano-Actions, of which the following is a specification.

This invention relates to an action for upright pianos which is of simple construction and responds quickly to the touch.

In the accompanying drawings, Figure 1 is a side view of my improved action, showing the normal position of the parts. Fig. 2 is a similar view of portion of the action, showing the position of the parts after the key has been depressed; and Fig. 3 is a perspective view of the hook and base.

A notch 4, of the hammer-butt 5, is engaged by the beak 6 of a hook 7. This hook is hinged at 8 to a base 9, secured to jack 10. Base 9 has a longitudinal slot 11, engaged by a screw 12, tapped into jack 10, and by means of which the relative position between jack and base, and consequently between jack and hook, may be regulated. The body of the hook is adapted to engage a regulating-button 13 on the bumper 14, thus constituting a back check. A spring 15, connecting hook 7 with a lug 16 of base 9, tends to throw the hook normally forward—i. e., against button 13.

When the key 17 is depressed, the hook

will by button 13 be projected into notch 4 of hammer-butt 5 while the jack is withdrawn, Fig. 2. While repeating, the hook will be vibrated on its pivot 8 and cause the jack to be rapidly swung into and out of engagement with the butt. Upon a full release of the key the hook will bear against the cushioned face 18 of the butt to throw the hammer rapidly off the string.

What I claim is—

1. An upright-piano action provided with a jack, a notched hammer-butt, and a hook pivotally connected to the jack and adapted to engage the notch in the hammer-butt, substantially as specified.

2. An upright-piano action provided with a jack, a notched hammer-butt, a base adjustably secured to the jack, and a hook pivoted to the base and adapted to engage the notch in the hammer-butt, substantially as specified.

3. An upright-piano action provided with a jack, a notched hammer-butt, and a spring-influenced hook pivotally connected to the jack and adapted to engage the notch in the hammer-butt, substantially as specified.

Signed by me at New York city, Manhattan, New York, this 28th day of April, 1906.

LEO H. BATTALIA.

Witnesses:

FRANK V. BRIESEN.

WILLIAM SCHULZ.