

(Model.)

J. W. SOHN.

LOOM SHUTTLE.

No. 246,230.

Patented Aug. 23, 1881.

Fig. 1.

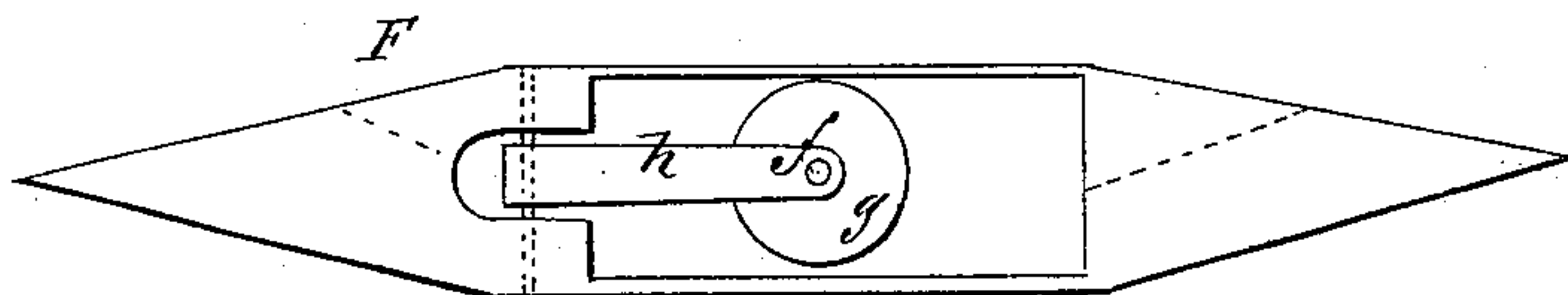


Fig. 2.

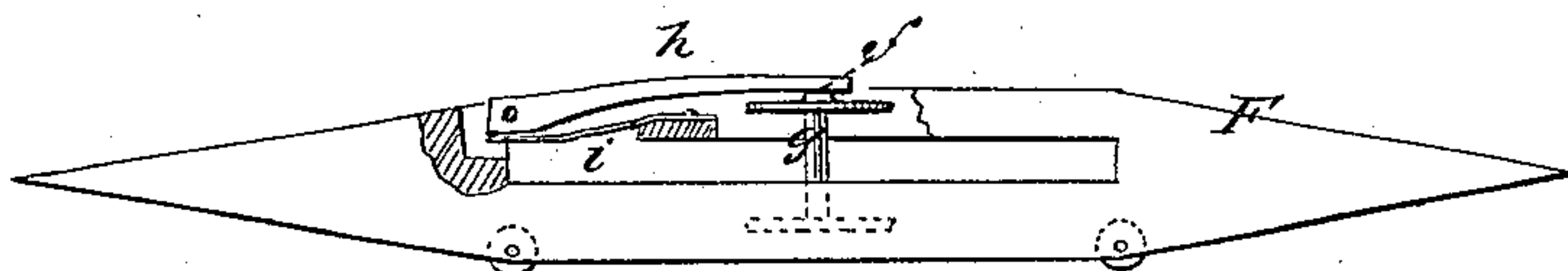
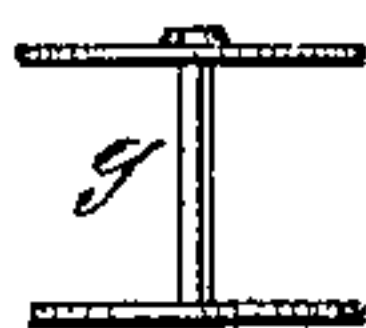


Fig. 3.



WITNESSES:

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LOOM-SHUTTLE.

SPECIFICATION forming part of Letters Patent No. 246,230, dated August 23, 1881.

Application filed October 14, 1880. (Model.)

To all whom it may concern:

Be it known that I, JOHN W. SOHN, of Columbia, Lancaster county, Pennsylvania, have invented an Improvement in Loom-Shuttles, of which the following is a specification.

The invention consists in the combining, with a shuttle-body and vertical spindle, of an end-perforated lever and a subjacent spring, as hereinafter described and claimed.

Figure 1 of the drawings represents a top view of the shuttle; Fig. 2, a side view, partly in section. Fig. 3 is a detail view of the spool.

In the drawings, F represents the shuttle-body, which has a central recess, is open at the upper side, and provided with the vertical spindle *f*, for receiving the bobbin or spool *g*.

h is a lever, perforated at the front end to receive the upper end of the spindle, and *i* is a spring arranged under the rear end of lever *h* and resting against said end, so as to press it up and force the front end down to bear upon a projection on the upper end of the spool, or, when the lever is turned back, to

lock it in that position while a new bobbin is inserted for one which has been emptied of its contents. It will thus be seen that the proper tension is secured by the pressure of the spring upon the under side of the rear end of the lever, which is extended beyond its fulcrum, while said end, being cut so as to form an angle with said under side, bears upon the spring in such a manner, when the lever is thrown back, as to retain said lever in its erect position.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new is—

The combination, with the shuttle-body and vertical spindle, of the lever *h*, perforated at the front end, and the subjacent spring *i*, arranged to rest against the rear end of the lever and hold it up or down, as described.

JOHN WESLEY SOHN.

Witnesses:

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