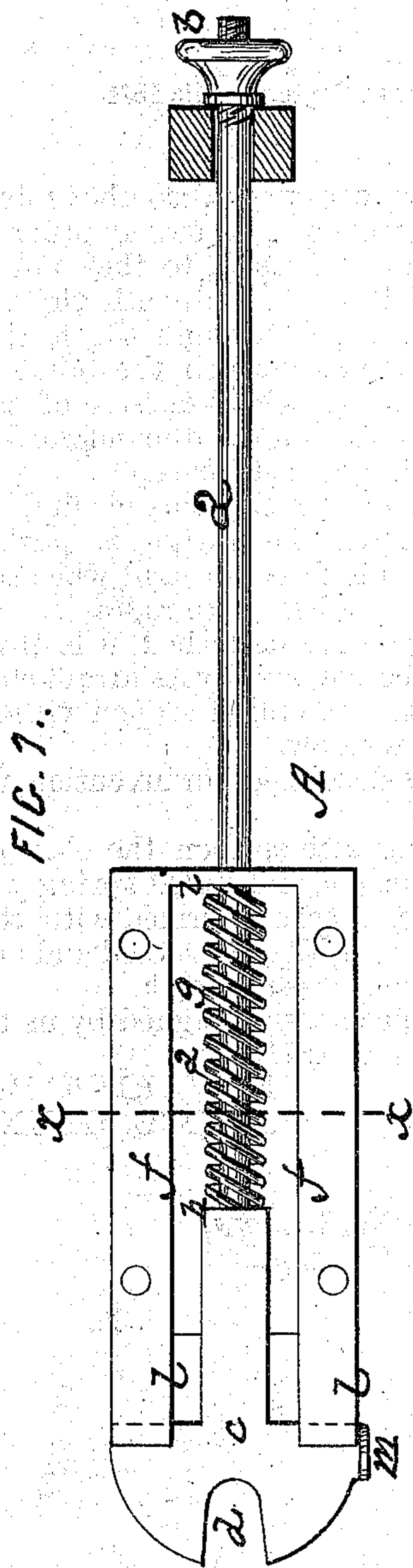


EDWARD F. READ & JOHN C. GRUNDY.

Improvement in Shutter Fasteners.

No. 119,180.

Patented Sep. 19, 1871.



WITNESSES.

J. A. Pease
Chas. J. Taylor

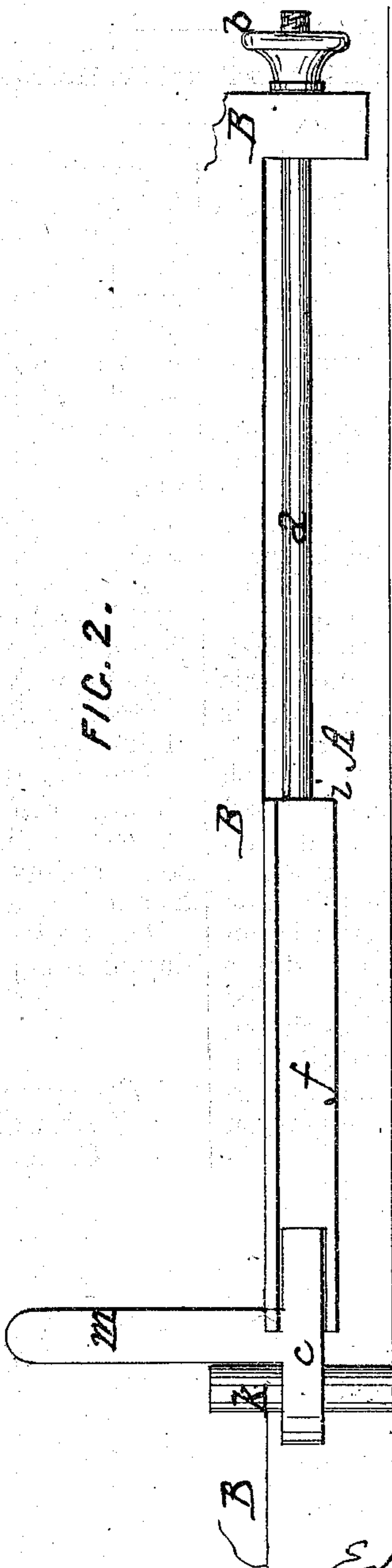
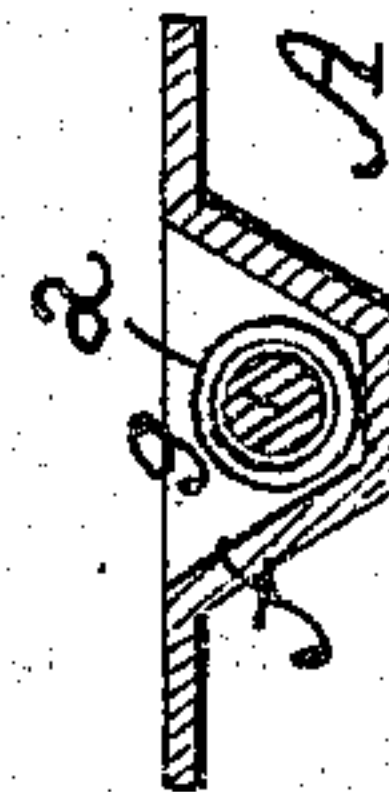


FIG. 3.



INVENTOR.

Edward F. Read
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UNITED STATES PATENT OFFICE.

EDWARD F. REED AND JOHN C. GRUNDY, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN SHUTTER-FASTENERS.

Specification forming part of Letters Patent No. 119,180, dated September 19, 1871.

To all whom it may concern:

Be it known that we, EDWARD F. REED and JOHN C. GRUNDY, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented a certain new and Improved Blind-Fastener, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming a part of same.

The present invention consists of a novel-constructed fastener for blinds, whereby many advantages are secured.

In the accompanying drawing our improved blind-fastener is illustrated, Figure 1 being a plan view of the same; Fig. 2, a side view; and Fig. 3, a cross-section in plane of line *x x*, Fig. 1.

A in the drawing represents our improved fastener, shown in Fig. 2, as applied to the under side of the lower rail B of a blind. This fastener is constructed of a rod, *a*, having a milled head, *b*, at one end, and at the other end a plate, *c*, with notch *d*. Said rod *a* is arranged to slide in and through a case, *f*, having within it a coiled spring, *g*, about the rod *a* between a shoulder, *h*, of which and the end *i* of case *f* the spring is confined so as to throw the rod by its plate *c* outward and hold said plate interlocked with the usual staple or pin *k* of the window-sill or house-front. The plate *c* moves into the case *f* at its end *l*, as shown in the drawing, and the plate *c* is provided with an upright arm, *m*, by which means the sliding-bar is operated upon the inside of the blinds when the same are closed.

The fastener, constructed as above described, is applied, by means of screws or other suitable devices through the case *f*, to the under side of the lower rail B to a blind, with the rod *a* extending forward and through the upright rail, having the hinges by which the blind is hung, leaving the milled head *b* outside of said rail, which serves as a stop to the outward play of the notched plate *c* in the case *f*.

To operate the fastener when the blind is closed, place the finger on the upright *m*, pushing the same in the proper direction, and when the blind is open pull on the head *b* to rod *a*.

The fastener above described, it is obvious, is simple and effective, and by its arrangement can be operated when the blind is open without leaning out of the window.

Having thus described our invention, what we claim is—

The operating arm *m* upon the plate *c* of the sliding rod *d*, head *b*, and coiled spring *g*, in combination with the case *f* formed with the open seats or slots, as at *l*, all constructed and arranged as and for the purpose set forth.

The above specification signed by us this 23d day of June, A. D. 1871.

EDWARD F. REED.
JOHN C. GRUNDY.

Witnesses:

ALBERT W. BROWN,
CHAS. J. TAYLOR.

(45.)