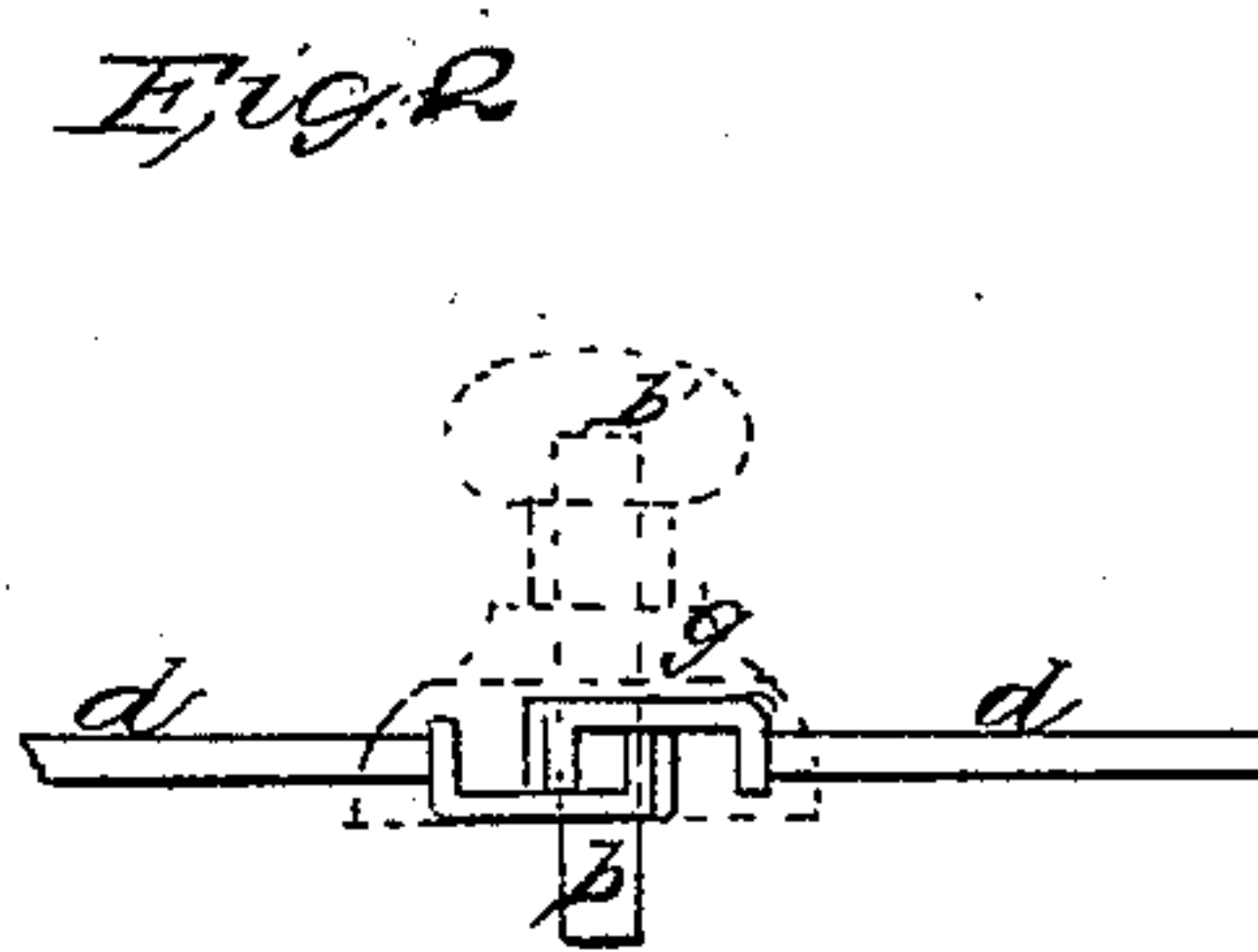
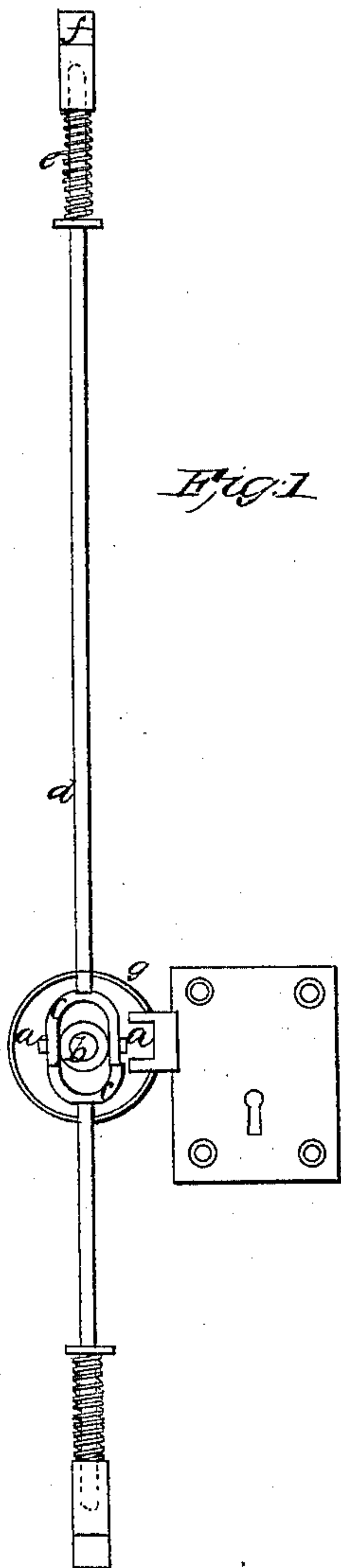


*F. Reed,
Door Latch.*

N^o 59,653.

Patented Nov. 13, 1866.



*Witnesses:
Geo. W. Rothwell
Chas. D. Smith*

*Inventor:
Frank Reed
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UNITED STATES PATENT OFFICE.

FRANK REED, OF BRATTLEBOROUGH, VERMONT.

IMPROVEMENT IN DOOR-FASTENINGS.

Specification forming part of Letters Patent No. **59,653**, dated November 13, 1866.

To all whom it may concern:

Be it known that I, FRANK REED, of Brattleborough, in the county of Windham and State of Vermont, have invented a new and useful Improvement in Door-Fastenings; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure 1 is a front view of my improved fastening, and Fig. 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

My invention relates to providing double doors with fastenings, each door independent of the other, such fastenings being at the top and bottom of the doors, thereby making the doors firmer in their places and less liable to warp than if fastened in the center.

The fastenings are common chisel-bolts and mortise-catches, the bolts connected by rods running from the top and bottom of the door and coupled in the center, in the manner hereinafter explained.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe it in connection with the accompanying drawings.

a a represent short arms, which are attached to the shaft *b* of the knob *b'*, upon either side of which, facing each other, are hooked the heel-calks of a small piece of metal, *c*, shaped like a horseshoe, and confined in their places by the cap-piece *g*. Each piece *c* connects with one of the rods *d d* at the toe. Under this arrangement a turn of the knob and arms draws the toe-calks of the horseshoes or pieces *c* nearer together, and the rods *d* and bolts *f* toward the knob, and thus unfastens the door. When the force is removed from the knob the springs *e e* behind each bolt force them out again.

This fastening is simple, cheap, and easily applied, and the knob is locked by a forked bolt attached to the bolt of any suitable lock and shutting into the horseshoe-coupling.

The rods *d d* can be buried in the wood-work of the door or not, as may be desired.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the cap-piece *g* and coupling-pieces *c c* with the shaft of the door-knob and with the arms *a a*, rods *d d*, and springs *e e*, constructed and arranged as and for the purpose herein specified.

Witnesses:

FRANK REED.

GEO. HOWE,

PLINY H. WHITE.