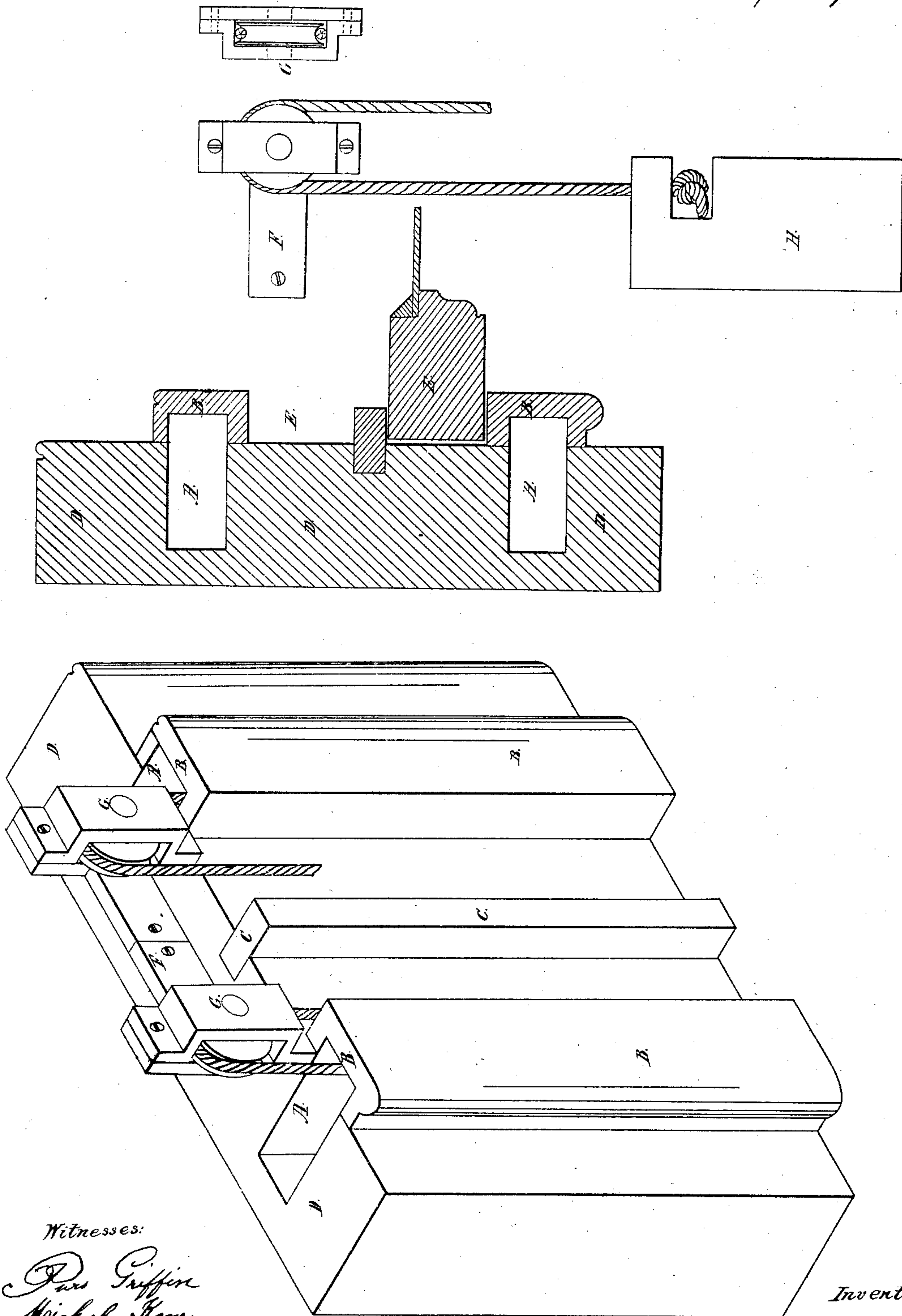


*J. B. Dodge*  
*Window Frame.*

*N<sup>o</sup> 17,730.*

*Patented Jul. 7, 1857.*



*Witnesses:*

*Paul Griffin*  
*Michael Kane*

*Inventor:*

*Joseph B. Dodge*

# UNITED STATES PATENT OFFICE.

JOSEPH B. DODGE, OF ST. LOUIS, MISSOURI.

## BOX WINDOW-FRAME.

Specification of Letters Patent No. 17,730, dated July 7, 1857.

*To all whom it may concern:*

Be it known that I, JOSEPH B. DODGE, of St. Louis, in the State of Missouri, have invented a new and useful improvement on  
5 box window-frames for balancing sash with weights and pulleys, differing from the original or any other box-frame for windows in the use of the beads to form the box for the weights; and I do hereby  
10 declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification.

15 The nature of my improvement consists in forming the box in which the weights move up and down as the sash is lowered or raised by the employment of the beads commonly used in window frames to hold  
20 the sash to their place in which—

Figure 1 is a perspective view of a section of one jamb. Fig. 2 end view of jamb.

25 A, A, grooves on the inside of the jamb directly under the beads; F and g, g, the pulleys; B, B, the beads grooved to correspond with A, A, which forms the box for the weights, D, D, end of jamb; C. C, parting stop between the sash; I, I, cord passing out of the box over the pulleys to the sash

E. Shown on Fig. 2. The cord is fastened 30 to the sash in the ordinary way except that I rabbet the sash on the corner to insert the cord instead of grooving in the middle of the sash therefor. H section of weights and  
35 mode of fastening the cord thereto, on one edge, which causes them to frictionize in the box.

I do not claim the balancing of sash by weights, pulleys, and box frame, and therefore disclaim the original invention thereof, 40 nor do I claim the substitution of grooving to form the box for the weights instead of framing, for framing was originally substituted for grooving in window frames to form the box for the weights, but 45

What I do claim as my improvement and desire to secure by Letters Patent, is—

The employment of the beads commonly used in window frames to hold the sash to their place, to form the box for the weights, 50 using grooves for that purpose on the inside of the jamb, and on the under side of the beads placed together as shown at A, A, and B, B, forms the box for the weights.

JOSEPH B. DODGE.

Witnesses:

PETERS GRIFFIN,  
MICHAEL KANE.