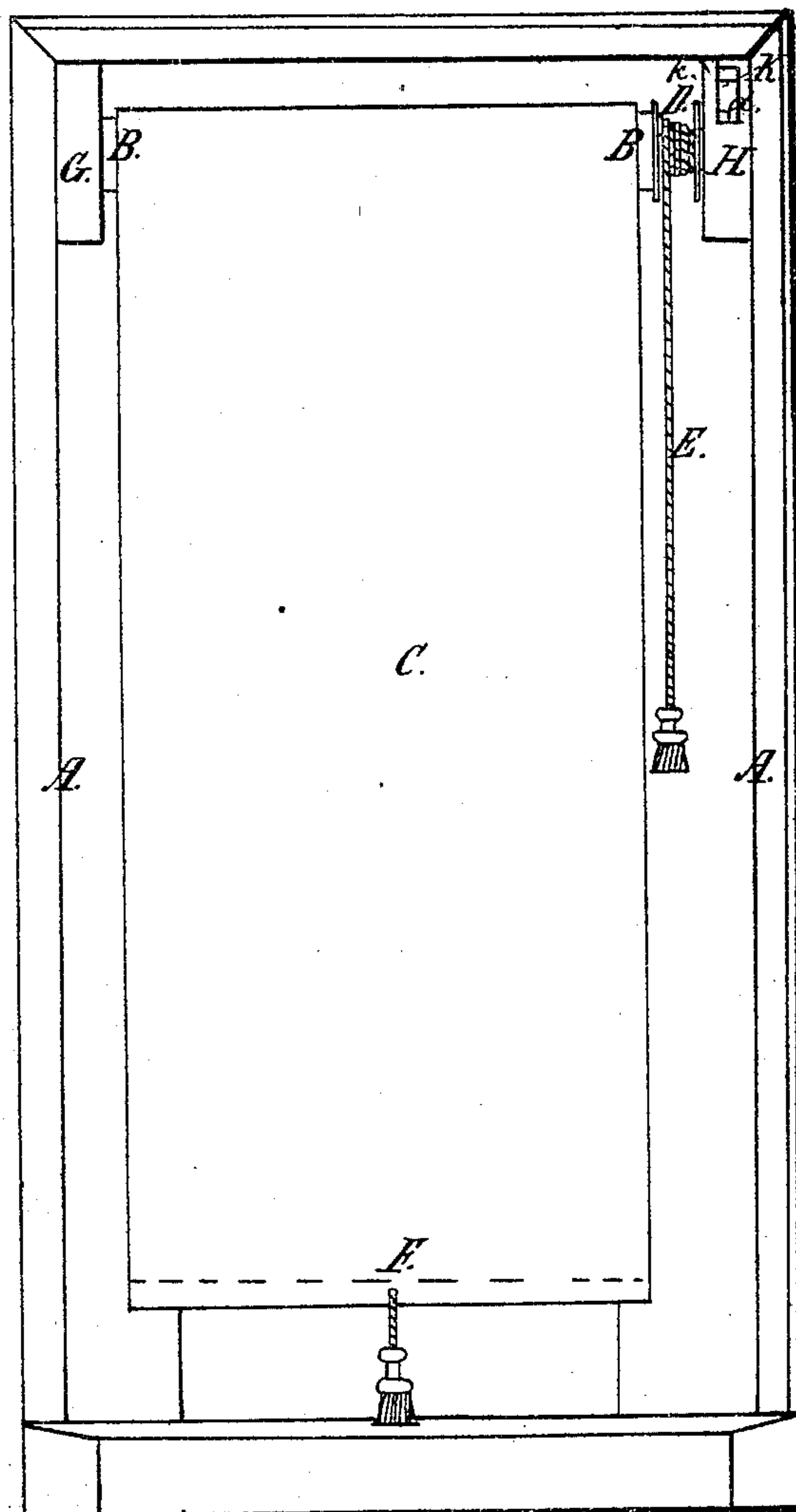


3 Sheets.
Sheet 1.

T. C. Baldwin.
Curtain Fixture.

No 22,153.

Patented Nov 30. 1858.
Fig: 1.



Witnesses.

R. H. Eddy
F. R. Fiske Jr.

Inventor.

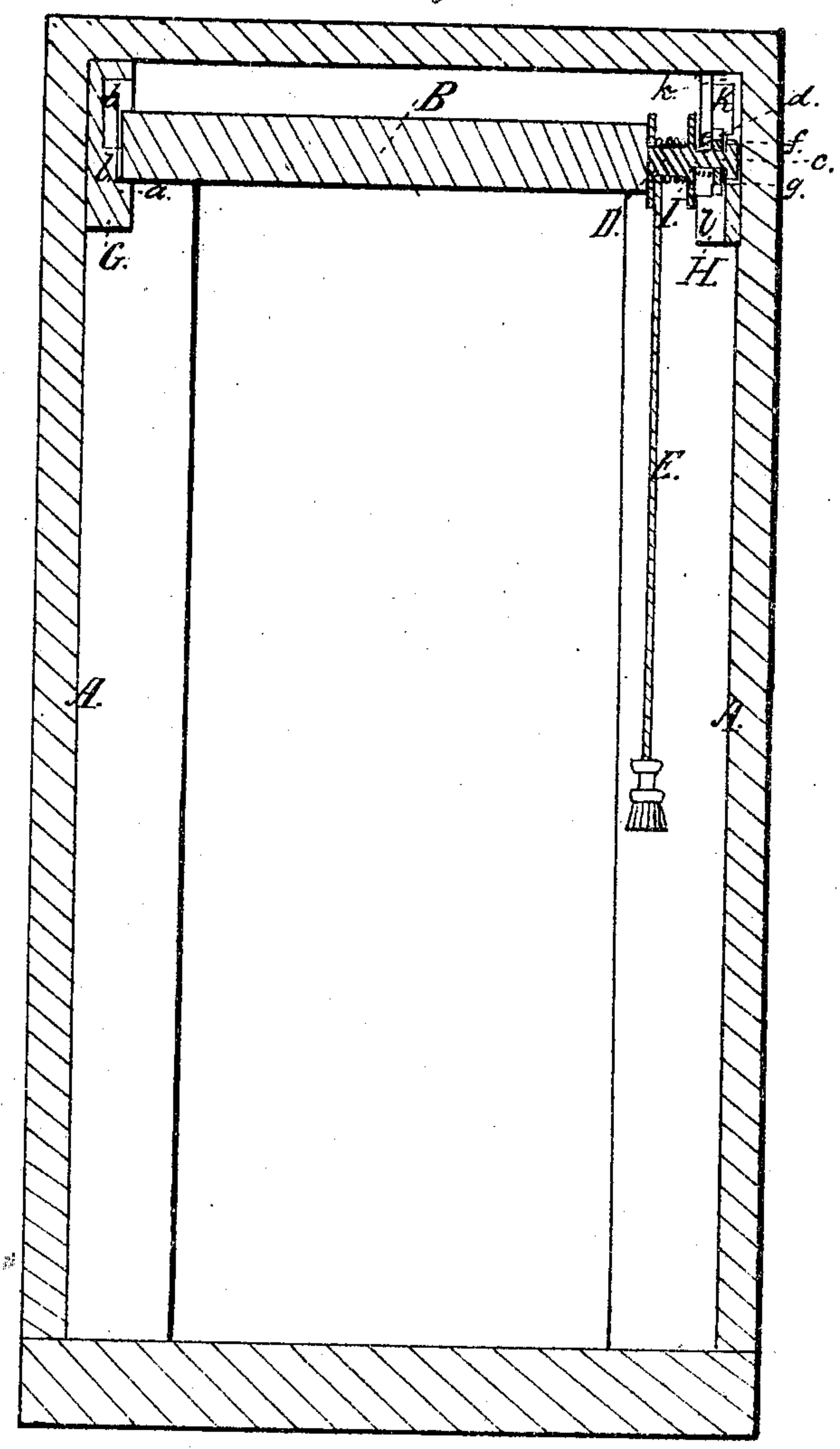
Thomas C. Baldwin

T. C. Baldwin.
Curtain Fixture.

No 22,153.

Patented Nov. 30. 1858.

Fig. 2.



Witnesses.

R. H. Coe
A. R. Spake Jr

Inventor:

Thomas C Baldwin

T. C. Baldwin.
Curtain Fixture.

No 22,153.

Patented Nov 30. 1858.

Fig: 3.

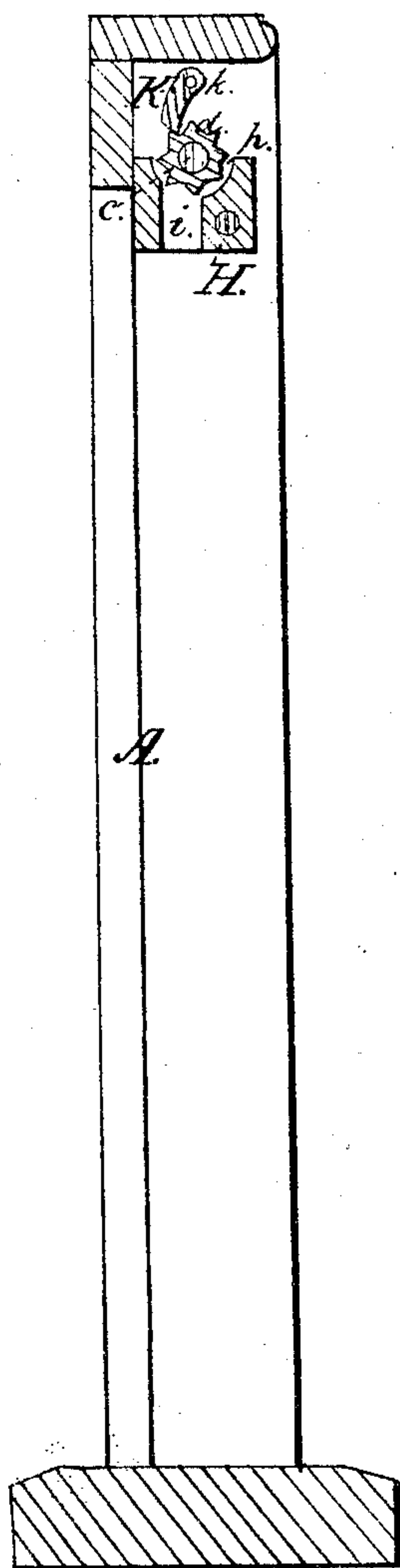


Fig: 4.

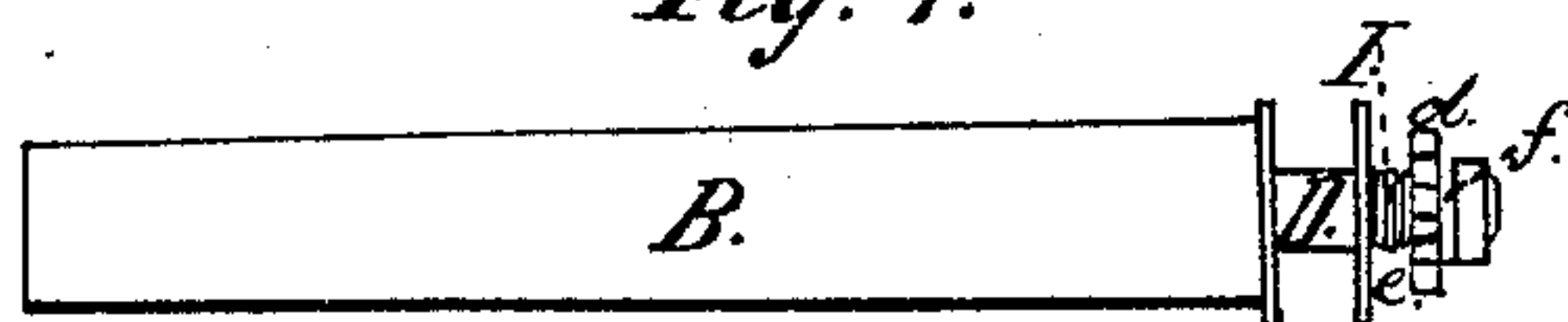


Fig: 5.

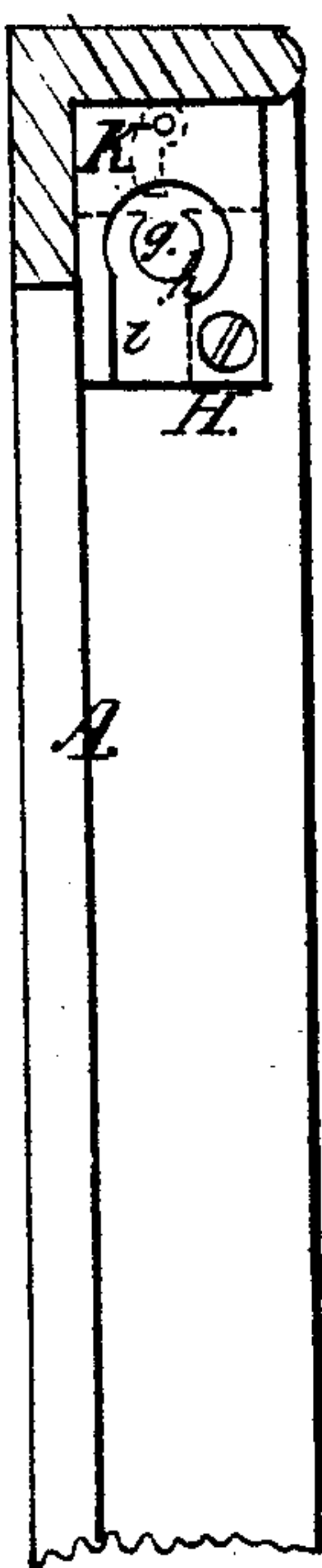
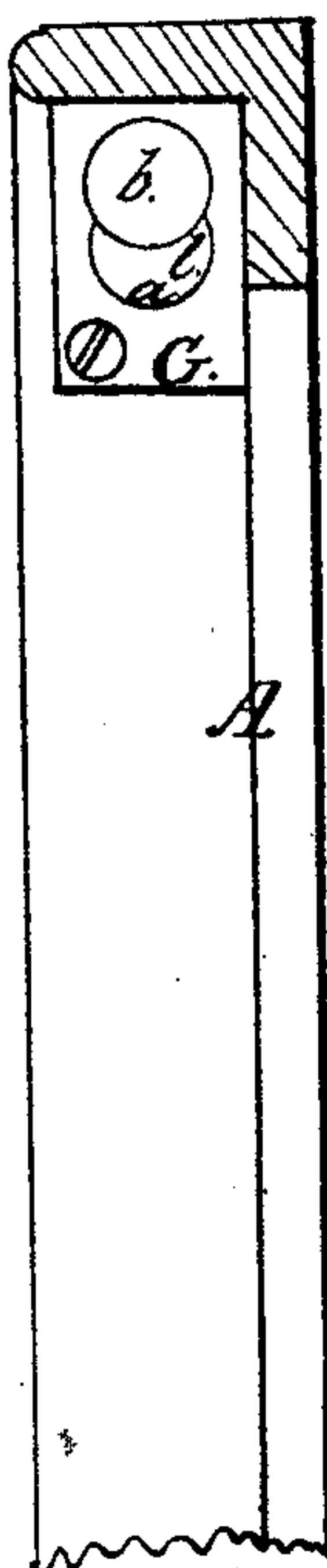


Fig: 6.



Witnesses.

J. H. Gay
F. R. Hale Jr.

Inventor.

Thomas C. Baldwin

UNITED STATES PATENT OFFICE.

THOS. C. BALDWIN, OF NEWTON, MASSACHUSETTS.

CURTAIN-FIXTURE.

Specification of Letters Patent No. 22,153, dated November 30, 1858.

To all whom it may concern:

Be it known that I, THOMAS C. BALDWIN, of Newton, in the county of Middlesex and State of Massachusetts, have invented an Improved Curtain or Window-Shade Fixture; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

Figure 1, denotes a front view or elevation of a window frame and curtain or shade having my invention applied to them. Fig. 2, is a longitudinal and vertical section of the same, it being taken through the axis of the curtain roller. Fig. 3, is a transverse section taken through the rotary ratchet of the curtain roller. Fig. 4, is a side view of the curtain roller; while, Figs. 5, and 6, are inner side views of its bearing blocks.

In the drawings, A, denotes the window frame; B, the curtain roller; C, the curtain or shade; while D, is the winding pulleys thereof, such pulley having a cord and tassel depending from it as shown at E, another cord and tassel being suspended from the middle of the lower part of the curtain as shown at F. G, and H, are the two bearing blocks of the curtain roller, one of them viz, G, or that opposite to the one against which the pulley D, runs is formed with a bearing recess or supporting bearing, *a*, for the reception of the cylindrical end of the curtain roller. Directly over the recess, *a*, is what I term the detaching recess or chamber, *b*, which opens into the bearing *a*, and is made of a greater depth than such bearing *a*, as shown in the drawings. Furthermore, the pulley D, has a journal I, extending from it and formed with a cylindrical neck, *c*, for the reception of a rotary ratchet *d*, a helical spring *e*, and a leather washer, *f*, the same being arranged on the neck as shown in Figs. 2, and 4. The said spring *e*, encompasses the said neck, and forces the rotary ratchet closely against the washer so as to compress the latter between the ratchet and the larger part of the journal and for the purpose of causing the ratchet while being turned on the journal, or the latter is turned on the former, to rotate with considerable friction on the journal, or in other words, an amount of friction sufficient to uphold the curtain and prevent its weight from unwinding it when the curtain is either partially or wholly raised it being under-

stood that while the curtain is raised either wholly or partially, the ratchet is held stationary by a click or pawl, K, arranged in the bearing block A, as shown in the drawings. This latter bearing block is formed with a round bearing, *g*, for the reception of the larger part of the journal, I, it also is made with a chamber, *h*, for receiving the ratchet, such chamber having a passage, *i*, leading downward out of it, and of a width a little greater than the diameter of the larger part of the said journal I. Furthermore, the said bearing block H, is constructed with a chamber, K', for the reception of the pawl K, such pawl being so arranged that when the cord and tassel F, are drawn downward, it, (the pawl) shall give away and allow the ratchet and curtain roller to freely revolve together, the pawl holding the ratchet or preventing it from being revolved when the curtain is depending from the roller or while such curtain is being drawn downward.

By means of the detaching chamber, *b*, and passage, *i*, in the bearing blocks G, and H, the curtain roller may be easily detached from the said blocks or applied in its bearings therein, as circumstances may require. In consequence of the arrangement of the rotary ratchet and its spring on the journal, I, extending directly from the pulley, D, or that journal which is next to the pulley, an important advantage results in the matter of preparing the curtain rollers for the market, as well as fitting a roller to its bearing blocks; for when the ratchet and pulley are on one or the same end of the roller instead of being arranged respectively at its two ends, the roller may be made somewhat longer than may be necessary for any window frame, and after the bearing blocks have been fixed in place in a window frame, we have only to measure the distance between the inner face of the block H, and the vertical surface *l*, of the bearing, *a*. This distance measured on the roller and from the outer surface of the outer head of the pulley D, determines the place where the curtain roller is to be cut off in order to be of the right length to work in the bearing blocks.

I claim—

1. The detaching chamber, *b*, and passage *i*, in their combination and arrangement with the journal bearings of the two bearing blocks G, H, and with the rotary friction

ratchet, its spring and the pulley arranged at one end of the curtain roller, substantially as described and for the purpose specified.

- 5 2. I also claim the arrangement of the rotary friction ratchet, its spring, and the pulley, at one and the same end of the curtain roller or so that the said ratchet may turn on the journal projecting from the said

pulley in manner and for the purpose and to 10 obtain the advantage as described.

In testimony whereof I have hereunto set my signature.

THOMAS C. BALDWIN.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.