

(No Model.)

H. A. GREEN.
WINDOW BEAD FASTENER.

No. 504,920.

Patented Sept. 12, 1893.

Fig. 1.

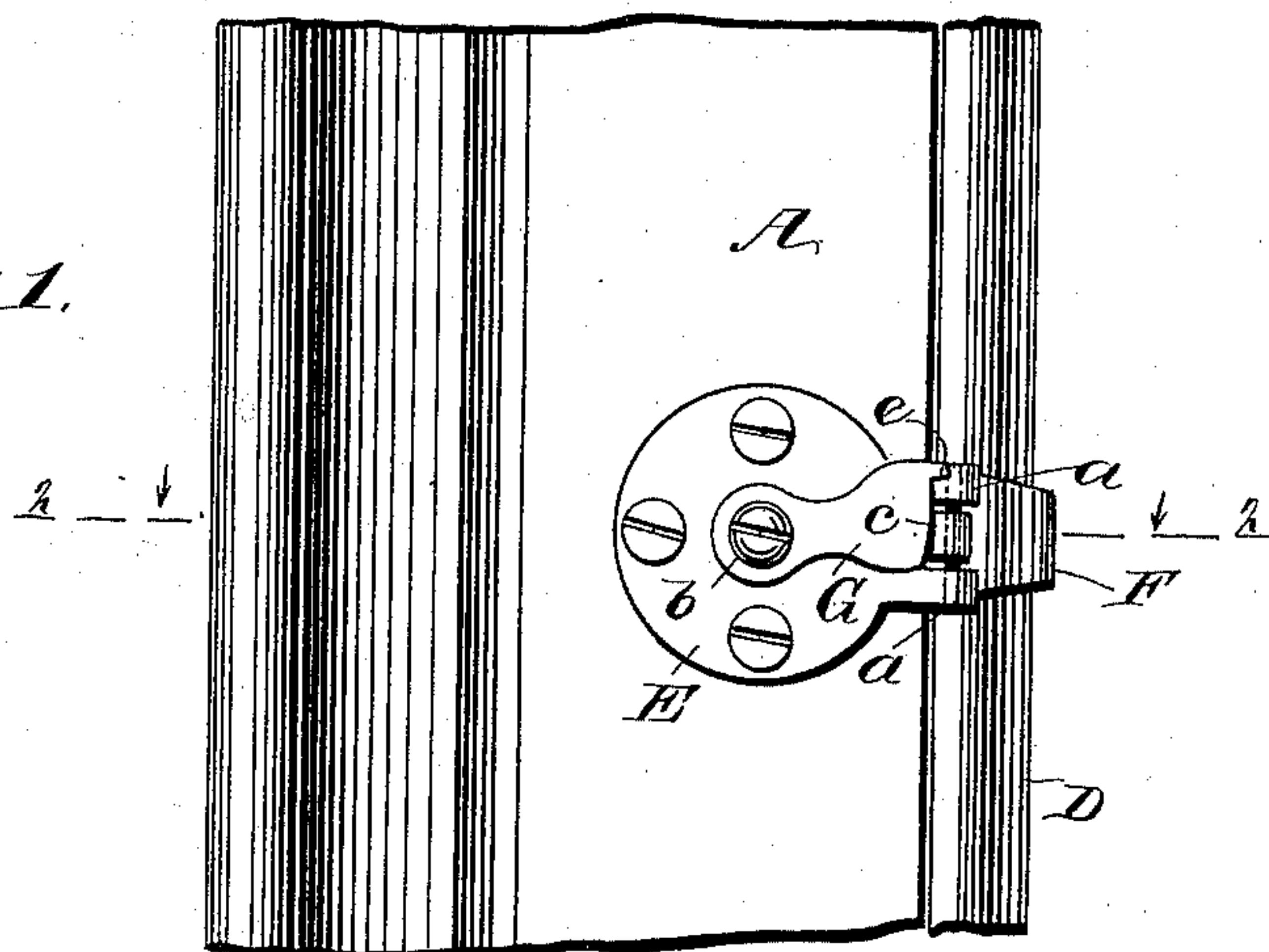


Fig. 2.

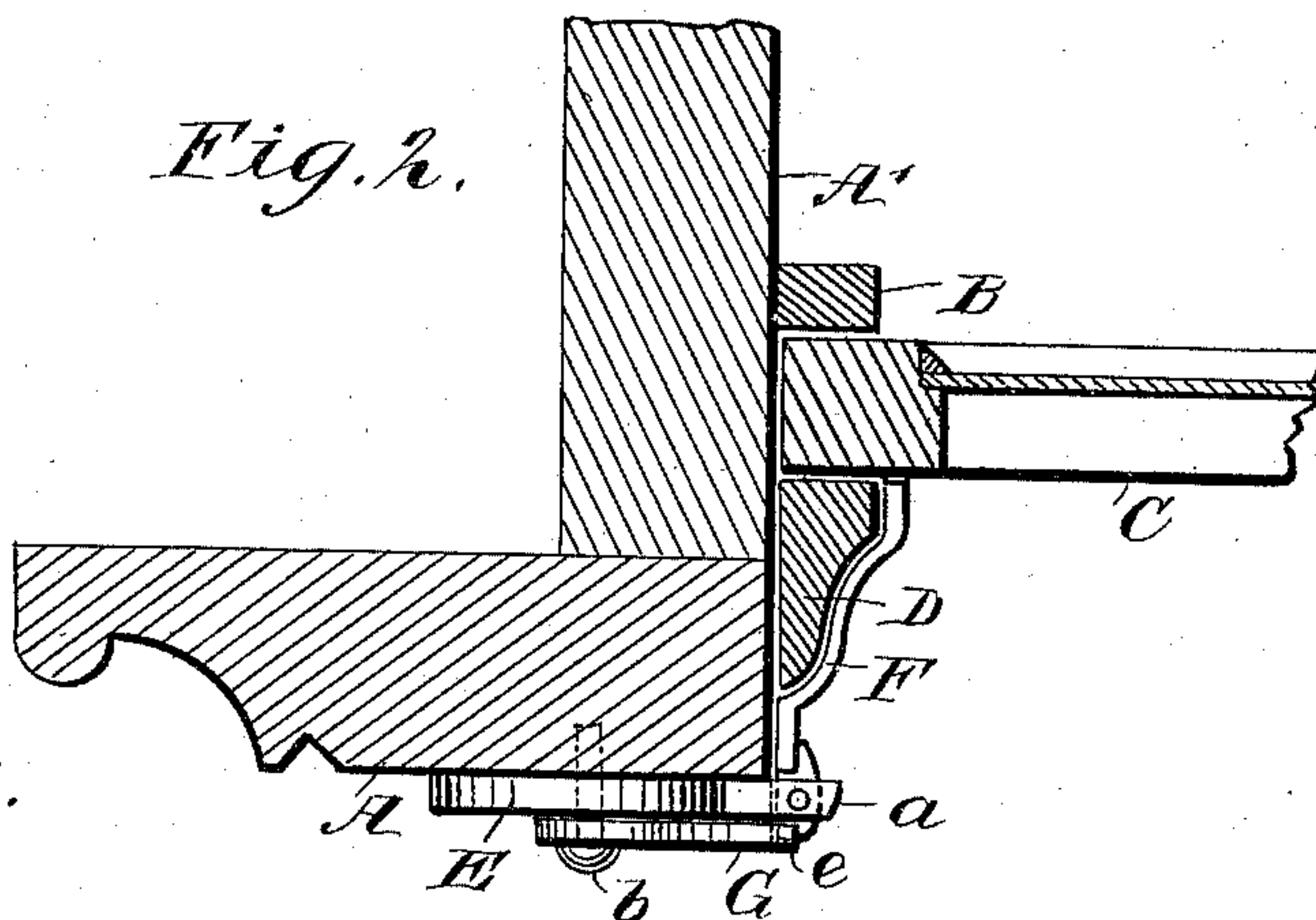
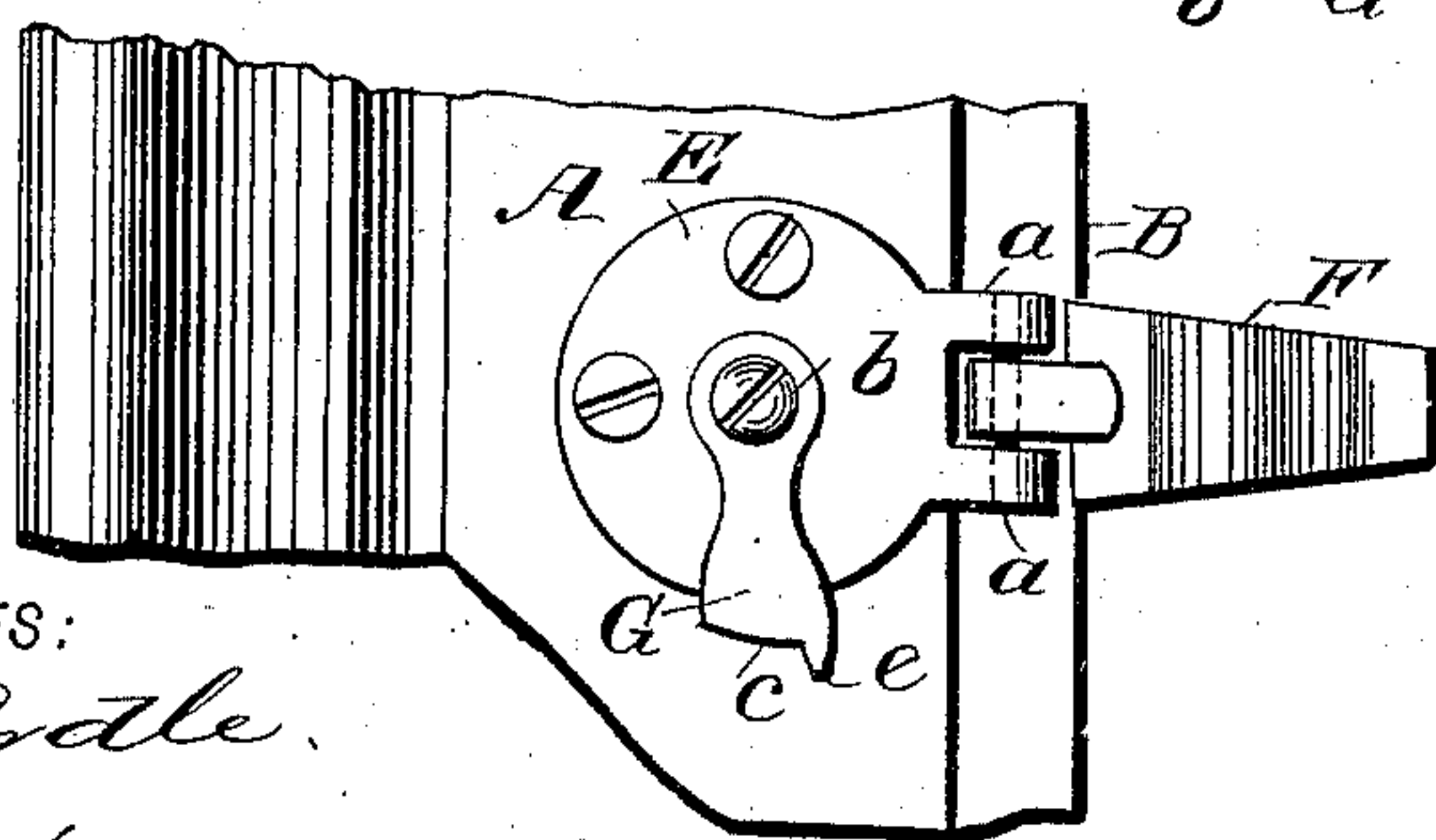


Fig. 3.



WITNESSES:

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WINDOW-BEAD FASTENER.

SPECIFICATION forming part of Letters Patent No. 504,920, dated September 12, 1893.

Application filed May 27, 1893. Serial No. 475,777. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. GREEN, of Montrose, in the county of Montrose and State of Colorado, have invented a new and useful
5 Improved Locking Device for Window-Strips, of which the following is a full, clear, and exact description.

My invention relates to an improvement in devices for securing the bead strips of win-
10 dows in place, and avoid the use of screws or nails for such a purpose, and has for its objects to provide a novel, simple, and effective device of the type indicated, which will be neat in appearance, cheap to construct,
15 readily applied, and that when in place on the casement of a window, will afford convenient and reliable means to detachably secure the bead strips of a window in place on the casement, so as to retain the sashes in a
20 sliding condition, and permit their expeditious removal, when this is desired.

To these ends, my invention consists in the construction and combination of parts, as is hereinafter described and claimed.

25 Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is an inner side view in part, of
30 one side of a window casement, with the improvement thereon and adjusted to retain a bead strip in place. Fig. 2 is a transverse sectional view of the window casement, a sash in part, and the improvement in position on the casement, and adjusted to clamp
35 the bead strip thereon; and Fig. 3 is a broken inside view of the casement jamb and a parting strip thereon, with the improvement affixed upon the casement and adjusted to release the bead strip that has been subse-
40 quently removed.

In the drawings, A represents a portion of one side of a window casement, of which A' is the stile, and on the latter a parting strip
45 B, is secured by any suitable means, forming an abutment for one side of the frame of the sash C.

The inner bead strip D, that the locking device is more particularly designed to re-
50 tain in place, is of the usual form, having one straight edge that in service is held

loosely in contact with the inner surface of the window sash frame C.

The improved bead strip locking device, shown singly in the drawings, is to be em- 55 ployed in sufficient number to retain the strip D, in a secure condition throughout its length, and consists essentially of a preferably flat, circular bracket plate E, formed of metal, and having suitable dimensions to adapt it for 60 efficient service and afford a neat appearance. From one edge of the plate E, two parallel spaced ears *a*, are projected in the same direction, these being separated a proper distance to accommodate the reduced end of a 65 clamping limb F, that is pivoted between the ears. The bracket plate E, is perforated for the reception of screws that serve to retain it in place on the inner surface of the casement A, one screw hole being produced in the cen- 70 ter of the plate. The ears *a*, are made to project from the side edge of the casement and thus adapt the clamping limb F, to press upon the bead strip D, when the latter is properly placed in the corner between the 75 stile A', and the inner face of the sash frame C, the limb F, being shaped to conform with the surface of the strip it bears upon. The end portion of the clamping limb F, which is pivoted between the ears *a*, projects inwardly 80 beyond said ears a short distance, thus affording an abutment for the latching end of the locking dog G, which is pivoted upon a screw *b*, that passes through the center hole of the plate E, and thence into the casement 85 A. The free end of the locking dog G, is shaped to produce a convex edge *c*, which is eccentric to the pivot center *b*, of the dog, said edge terminating near the upper side edge of the dog at a longitudinally projected 90 toe *e*.

It will be seen, that if a proper number of the improved locking devices are provided for a bead strip, and attached upon the case- 95 ment A as explained, at proper intervals, the folded adjustment of each dog G toward the end of the limb F it is opposite, will cause the cam edge or shoulder *c*, on said dog, to press against the edge of the clamping limb F, and force the longer end portion of the latter 100 upon the bead strip D, and when completely adjusted as indicated in Fig. 1, retain the

strip clamped in place and all the limbs securely locked, the reverse movement of each dog of the series of clamping devices being required to release the bead strip.

- 5 It is claimed for this improvement, that it dispenses with the use of screws or nails in the bead strips of a window, affords a reliable lock therefor which will permit the quick release of the strips, and that if properly
10 manufactured, will be ornamental as well as useful.

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

- 15 1. A locking device for window strips, comprising a bracket plate having ears thereon, a clamping limb pivoted at one end between the ears, and a pivoted locking dog adapted to press on the pivoted end of the clamping
20 limb, substantially as described.

2. A locking device for window strips, comprising a bracket plate having two spaced ears projected therefrom, a clamping limb pivoted at one end between the ears, and a piv-

oted locking dog having a cam sloped front 25 edge adapted to press on the side edge of the pivoted end of the clamping limb when folded thereon, substantially as described.

3. The combination with a window case- 30 ment, its parting strips, and bead strips, and a sash held to slide between said strips, of a bead strip locking device, comprising a circular, flat bracket plate perforated to receive screws, two spaced ears projected from said bracket plate at one edge, a clamping limb 35 conformed to the shape of the surface of the bead strip, and pivoted at one end between the ears, and a locking dog one end of which is pivoted at the center of the bracket plate, and its other end formed with a cam slope 40 adapted to press upon the side edge of the pivoted end of the clamping limb, when folded thereon, substantially as described.

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Witnesses:

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