

No. 653,540.

Patented July 10, 1900.

W. G. ANDERSON.  
PARTING BEAD FOR WINDOW SASHES.

(Application filed Nov. 20, 1899.)

(No Model.)

FIG. 1.

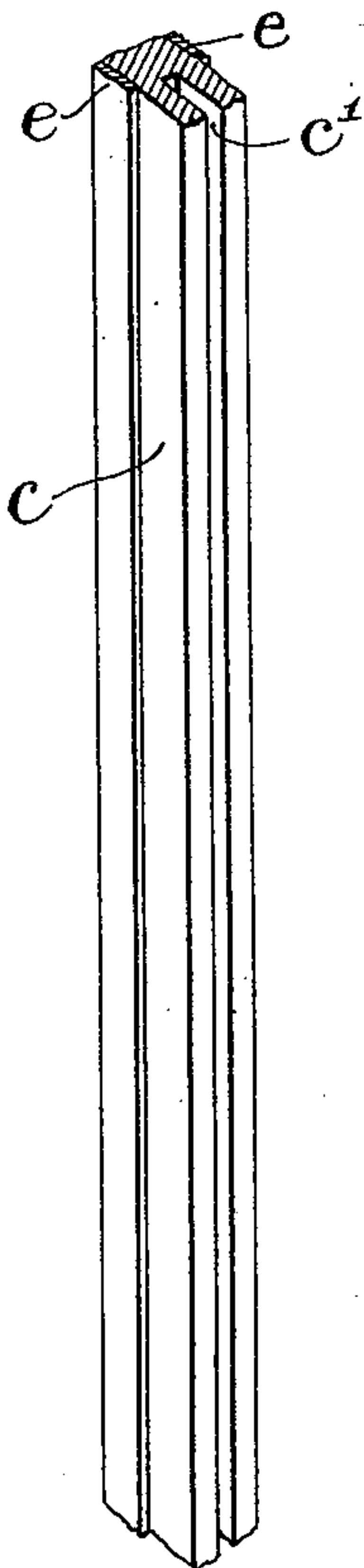
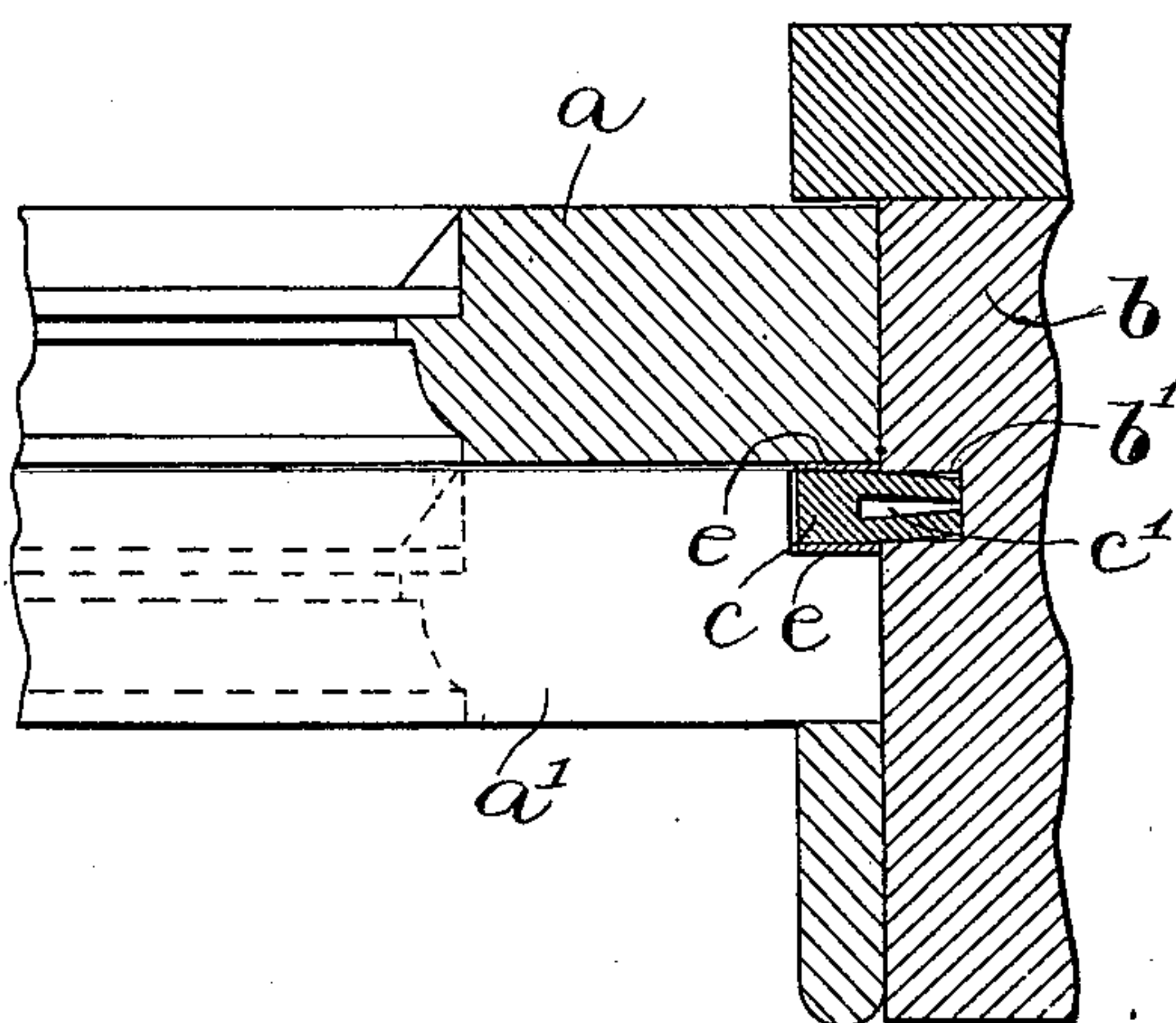


FIG. 2.



WITNESSES:  
E. Batchelder  
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INVENTOR:

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# UNITED STATES PATENT OFFICE.

WILLIAM G. ANDERSON, OF BROOKLINE, MASSACHUSETTS, ASSIGNOR TO  
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## PARTING-BEAD FOR WINDOW-SASHES.

SPECIFICATION forming part of Letters Patent No. 653,540, dated July 10, 1900.

Application filed November 20, 1899. Serial No. 737,598. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM G. ANDERSON, of Brookline, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Parting-Beads for Window-Sashes, of which the following is a specification.

This invention relates to the narrow beads or strips which are inserted vertically in the sides of window-frames and are interposed between the upper and lower sash, these beads constituting guiding members for the sashes. The ordinary parting-bead is simply a wooden strip forced into the groove prepared in the wooden window-frame for its reception, the strip being rigidly formed to fit snugly in the groove. The unavoidable shrinkage of the wood, both of the frame and of the strip, causes ultimate looseness of the bead or strip in the groove, thus permitting rattling of the strip and of the sashes, also the admission of dust and air between the bead and sashes. The present invention has for its object to overcome these objections and provide a parting-bead having provisions for compensating for the shrinkage of the wood of the frame and bead, so that the bead will at all times fit snugly in its groove.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of a portion of a parting-bead embodying my invention. Fig. 2 represents a horizontal section through a part of a window-frame equipped with my improved parting-bead, the upper sash being shown in section and the lower sash in plan.

The same letters of reference indicate the same parts in both figures.

In the drawings, *a* represents the upper and *a'* the lower sash of a window, and *b* represents one of the vertical side pieces of the frame or casing in which the sashes *a* and *a'* are held and guided.

*c* represents the parting-bead, which is interposed between the two sashes and is inserted in a groove *b'*, formed for its reception

in the casing *b*, the strip being of sufficient width to fill the groove and project therefrom between the sashes *a* and *a'*, as shown in Fig. 2.

In carrying out my invention I make the portion of the bead that enters the groove *b'* elastic and compressible, with a constant tendency to expand from a compressed condition. This quality is given to the said portion of the strip by cutting a longitudinal slot or saw-kerf *c'* in the strip, said slot extending from the inner edge of the strip partly to the outer edge, its depth being such as to leave the outer portion of the bead which is interposed between the sashes *a* and *a'* practically solid and the inner portion which enters the groove *b'* elastic and compressible.

The slotted portion of the bead is normally of such width that when inserted in the groove *b'* said portion will be compressed, the two parts separated by the slot approaching each other, and thus being put under tension or strain, which presses their outer surfaces yieldingly against the sides of the groove *b'*. This yielding pressure is sufficient to compensate for the shrinkage of the material both of the casing and the bead. As the said material shrinks the parts of the bead separated by the slot spring outwardly, and thus maintain a firm bearing upon the sides of the groove, so that the bead never becomes sufficiently loose to rattle in the groove. The bead is thus kept in an operative condition, preventing rattling of the sashes and the admission of dust and air around the bead.

I have here shown my improvement applied to a bead the projecting portion of which is provided with strips or facings *e e* of felt, as shown in Letters Patent No. 343,656, granted to me June 15, 1886.

By reason of the construction of my strip it is possible to insert it in place in a window with much less exertion and in a much shorter space of time than has heretofore been required. The compressibility of the two members of the strip provides for the strip being placed in grooves of varying width, whereby a strip does not have to be constructed separately for each window.



I claim—

A parting-bead composed of a wooden strip having a longitudinal slot extending from the inner edge partly to the outer edge, said slot  
5 subdividing the inner portion of the bead into two elastic portions which are connected by the outer portion of the strip.

In testimony whereof I have affixed my signature in presence of two witnesses.

WILLIAM G. ANDERSON.

Witnesses:

A. D. HARRISON,  
M. B. MAY.