

No. 615,750.

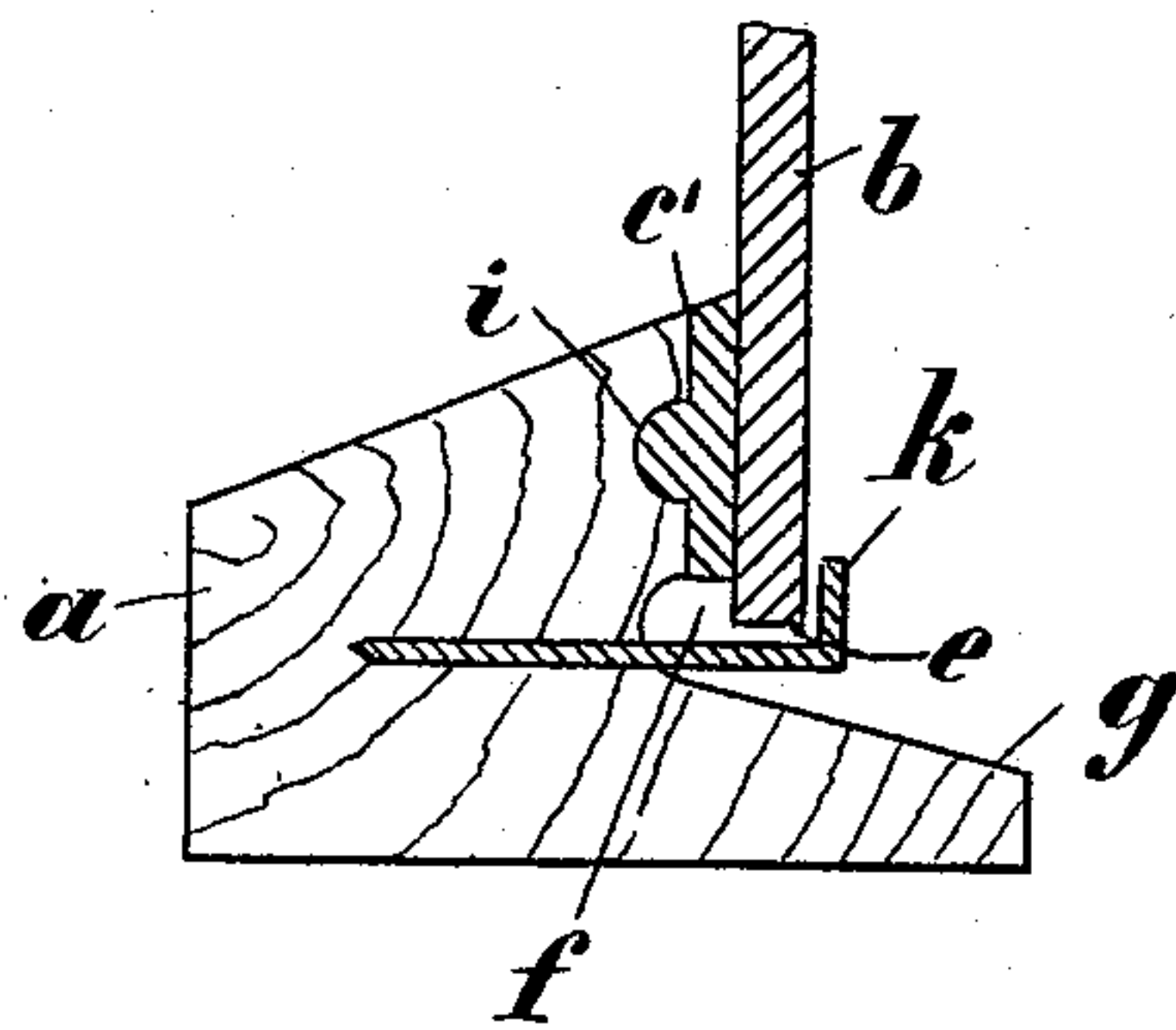
Patented Dec. 13, 1898.

F. SAGEBIEL.

MEANS FOR FASTENING PANES OF GLASS IN WINDOW SASHES.

(Application filed Mar. 29, 1897.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

FRIEDRICH SAGEBIEL, OF LINSE, GERMANY.

MEANS FOR FASTENING PANES OF GLASS IN WINDOW-SASHES.

SPECIFICATION forming part of Letters Patent No. 615,750, dated December 13, 1898.

Application filed March 29, 1897. Serial No. 629,658. (No model.)

To all whom it may concern:

Be it known that I, FRIEDRICH SAGEBIEL, a subject of the German Emperor, residing at Linse, near Bodenwerder-on-the-Weser, in the Kingdom of Prussia, Germany, have invented certain new and useful Improvements in Means for Fastening Panes of Glass in Window-Sashes, of which the following is a specification.

The ordinary method for fastening the panes to the window-sashes consists in applying a layer of putty to the edges of the glass, at the outside thereof, after it has been inserted into the frame. This method presents the disadvantage that the putty will soon become incoherent, so that the water running down at the outside of the glass penetrates between the pane and the putty, collecting in the sash-groove, and, finding no escape, soaks into the wood and causes the same to decay. In the same way the moisture condensed at the inside against the glass will run down and penetrate between the glass and the sash, thus enhancing the decaying of the wood.

The purpose of my invention is to remove this disadvantage, and to this end I have devised means for fastening the glass in the window-sash, allowing of the free discharge of water running downward at both sides of the pane.

For the better understanding of my improved means I have added hereto a drawing, making a part of this specification, and wherein the means are illustrated.

It will be seen in the drawing that the layer of putty hitherto applied to the edges of the glass, at the outside thereof, is done away with, so that the water running down at the outside can freely flow off and cannot collect in the groove of the sash on account of the novel formation of same, as shown. On the

contrary, it is evident that the water will immediately flow off along the incline *g*. As shown, the lower edge *e* of the glass *b* is not in contact with the wood, but lies entirely free, for which purpose the wood is cut away at *f*, as shown.

The glass is fastened to the sash or frame by means of a layer of putty *c'* applied at the inside, and in order to promote the watertightness the wood is grooved at *i*, as shown, the groove so formed being completely filled with putty. The layer of putty being so arranged on the sash or frame the glass *b* is pressed firmly against the putty. If a good quality of putty is used, the glass will thus be kept in place, and for additional security a suitable number of hooks *k*, screws, or other suitable devices are driven in the sash or frame, so that their upturned ends abut against the outside of the glass.

Having now described my improvement, what I desire to secure by Letters Patent is—

1. The combination of a glass, with a window-sash cut away at its lower edge and having one or more grooves *i* provided with putty, and means for pressing the said glass against the putty, substantially as and for the purpose stated.

2. The combination of a glass, with a window-sash cut away at its lower edge and having one or more grooves *i* provided with putty, and hooks for pressing the said glass against the putty, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

FRIEDRICH SAGEBIEL.

Witnesses:

GEORGE DASEKING,
JOHN E. HENETH.