

(Model.)

H. A. WILBUR.  
WINDOW SASH PULLEY.

No. 306,983.

Patented Oct. 21, 1884.

FIG. 1.

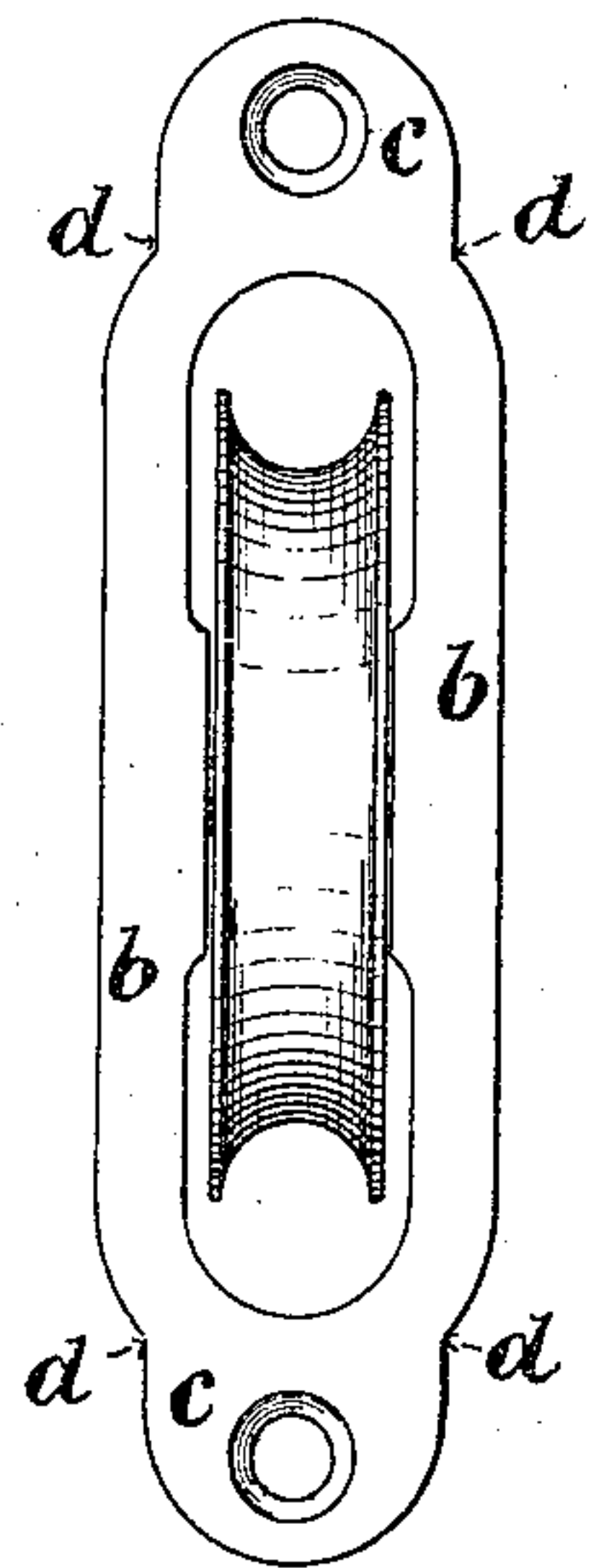


FIG. 2.

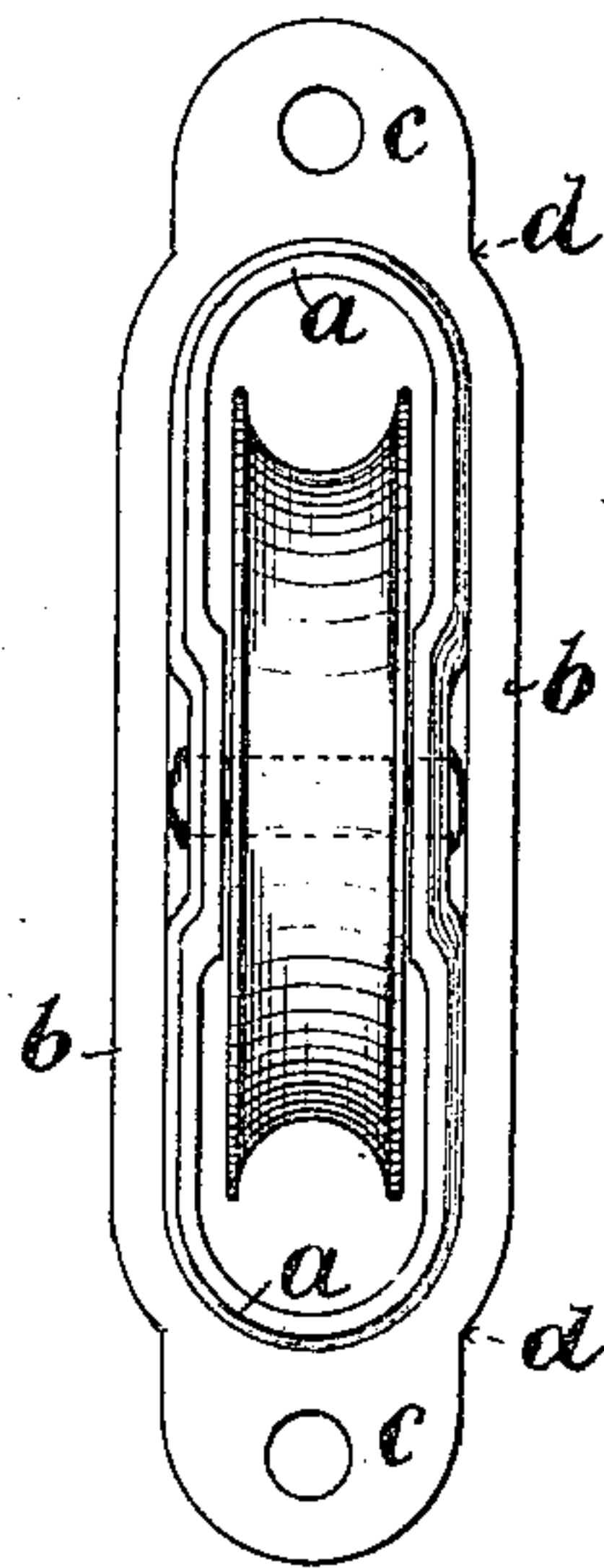
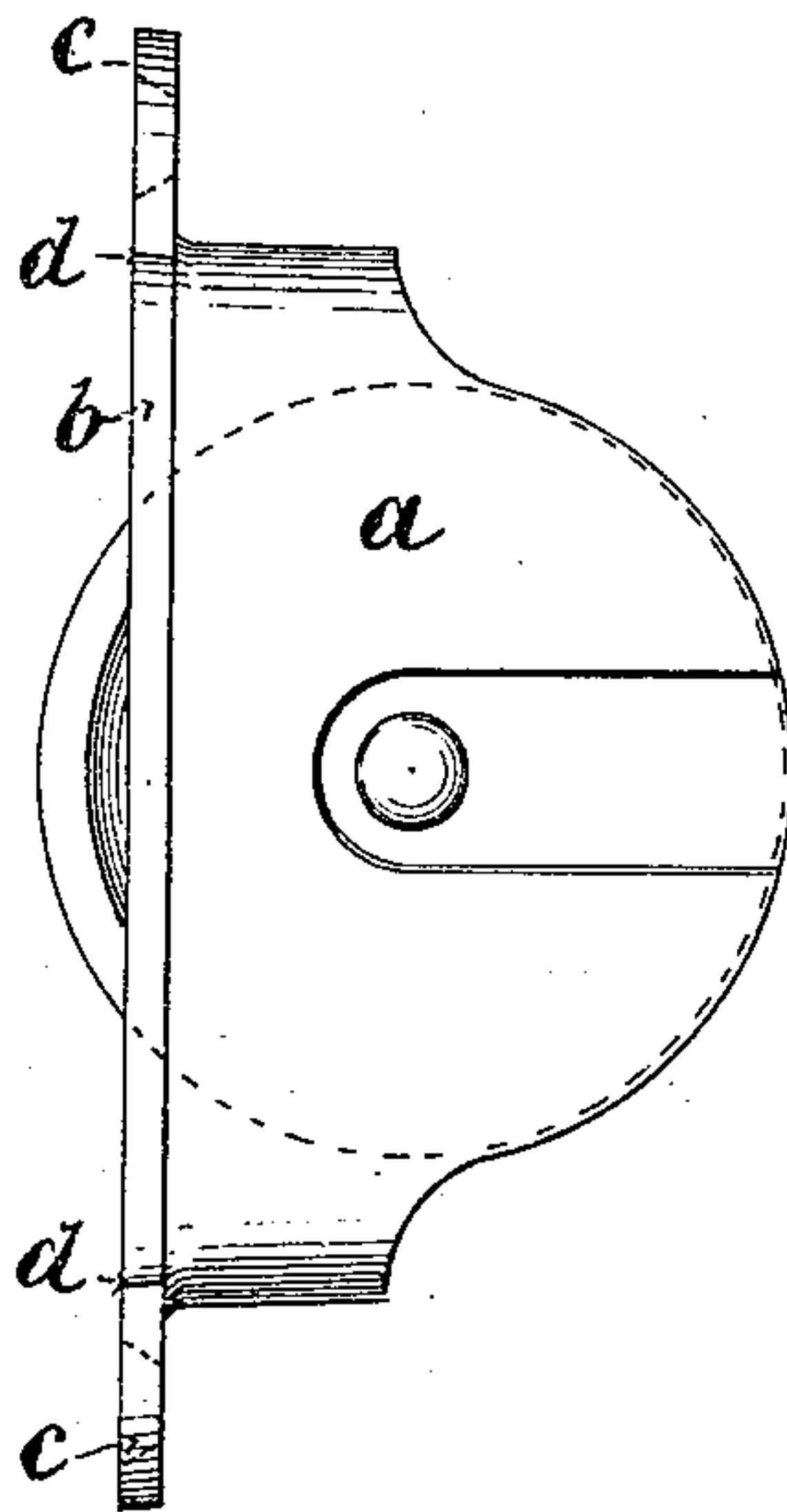


FIG. 3.



Witnesses.

E. Blanta.  
T. F. Currier.

Inventor.

Henry A. Wilbur  
by J. H. Adams  
Att'y

# UNITED STATES PATENT OFFICE.

HENRY A. WILBUR, OF CAMBRIDGE, ASSIGNOR OF ONE-HALF TO FRANK W. LOWE, OF BOSTON, MASSACHUSETTS.

## WINDOW-SASH PULLEY.

SPECIFICATION forming part of Letters Patent No. 306,983, dated October 21, 1884.

Application filed May 22, 1883. (Model.)

*To all whom it may concern:*

Be it known that I, HENRY A. WILBUR, a citizen of the United States, residing at Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Window-Sash Pulleys, of which the following is a specification.

My invention consists of a sash-pulley frame in which the ends through which the screws to secure it to the window-frame pass are elongated and made narrower than the main portion of the front of the pulley-frame, and of about the same width with the main body of the pulley-frame in which the pulley is journaled, the object being to adapt the sash-pulley to be fitted in a mortise in the frame, which mortise is made by a machine that makes the recess or rabbet for the side flange of the pulley-frame, and also makes the recess or rabbet for the extended and reduced ends, all in one and the same machine, which machine is made the subject of an application of even date with this.

My invention is illustrated in the accompanying drawings, in which Figure 1 is a front or face view of my improved sash-pulley. Fig. 2 is a rear view, and Fig. 3 is a side view.

*a* is the main body or casing of the pulley-frame in which the pulley is journaled, and *b* is the flange at the front or face of the said frame.

Instead of extending the flange entirely around the main body or continuing the same

width beyond the main body, I curve the flange to the points *d*, and then extend the flange, as shown at *e*, making it about the same width as that of the main body *a* of the sash-pulley frame, and thus enable it to be fitted exactly in the mortise and recess made by the machine above referred to. The advantage of this mode of construction is that I am enabled to accurately fit the sash-pulley to a mortise and rabbet made by the machine above named, the rabbet being long enough for the ends of the pulley-flange to allow the screws to enter the wood without splitting it.

What I claim as my invention is—

A window-sash-cord guide composed of the casing *a*, having face-flanges *b b*, of a length equal to that of the main casing, and the extended ends *c c*, of a width equal to that of the main casing and less than that of the flange, and of semicircular configuration at the end, the end pieces, *c*, being connected with the flanges *b b* by means of arcs of a circle whose diameter is equal to the face-plate, including the flange, whereby the said casing can be inserted in a router-mortise, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY A. WILBUR.

Witnesses:

J. H. ADAMS,  
F. W. LOWE.