

(No Model.)

A. S. SCHELLINGER.

SASH CORD GUIDE.

No. 413,971.

Patented Oct. 29, 1889.

Fig. 1.

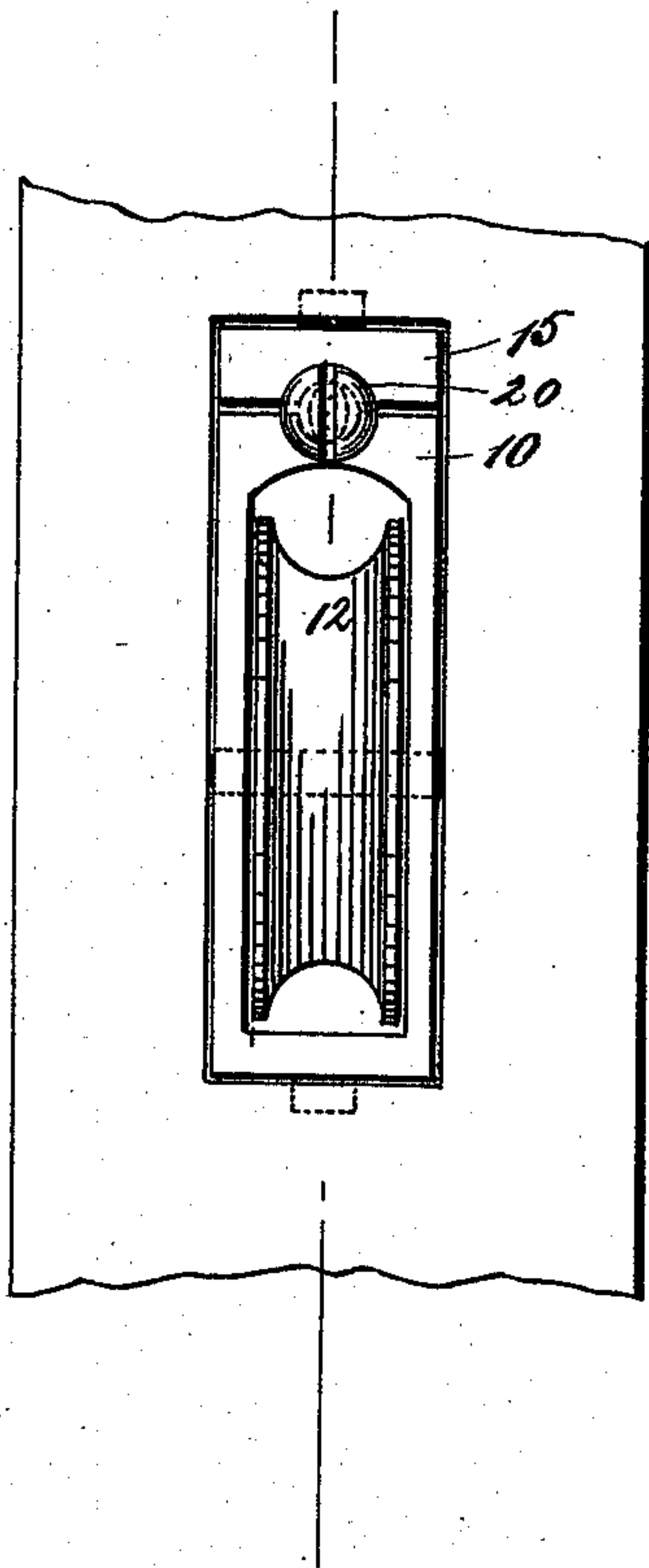


Fig. 2.

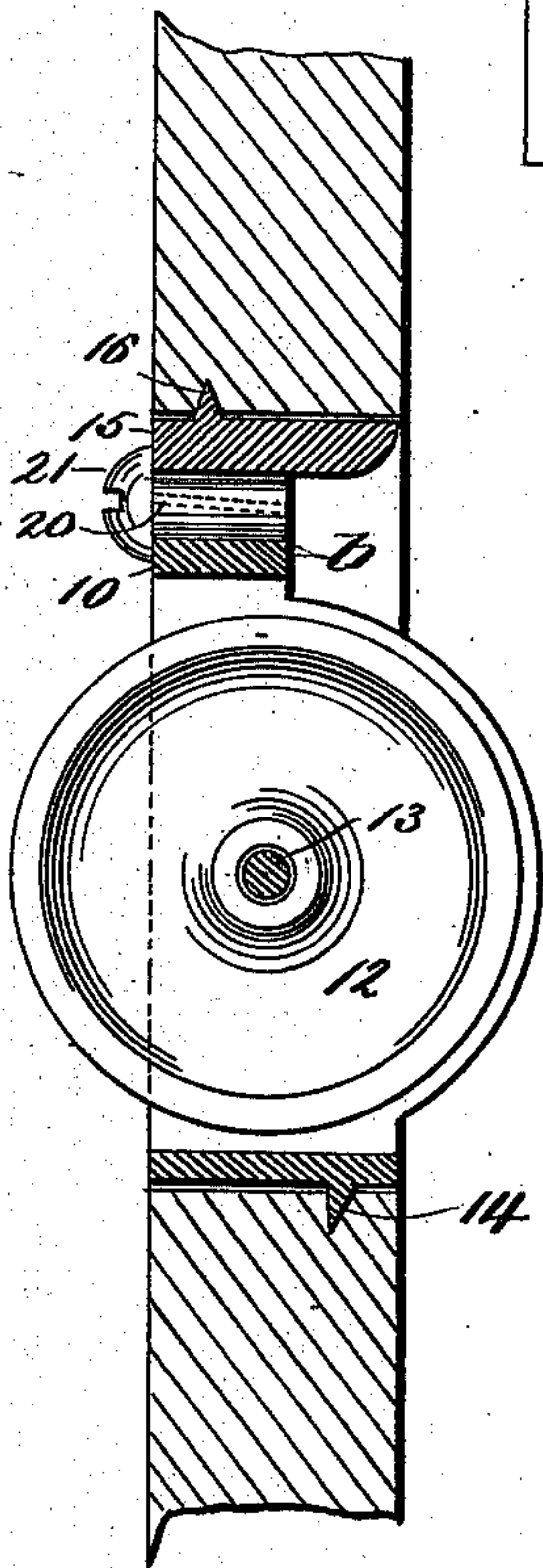


Fig. 3.

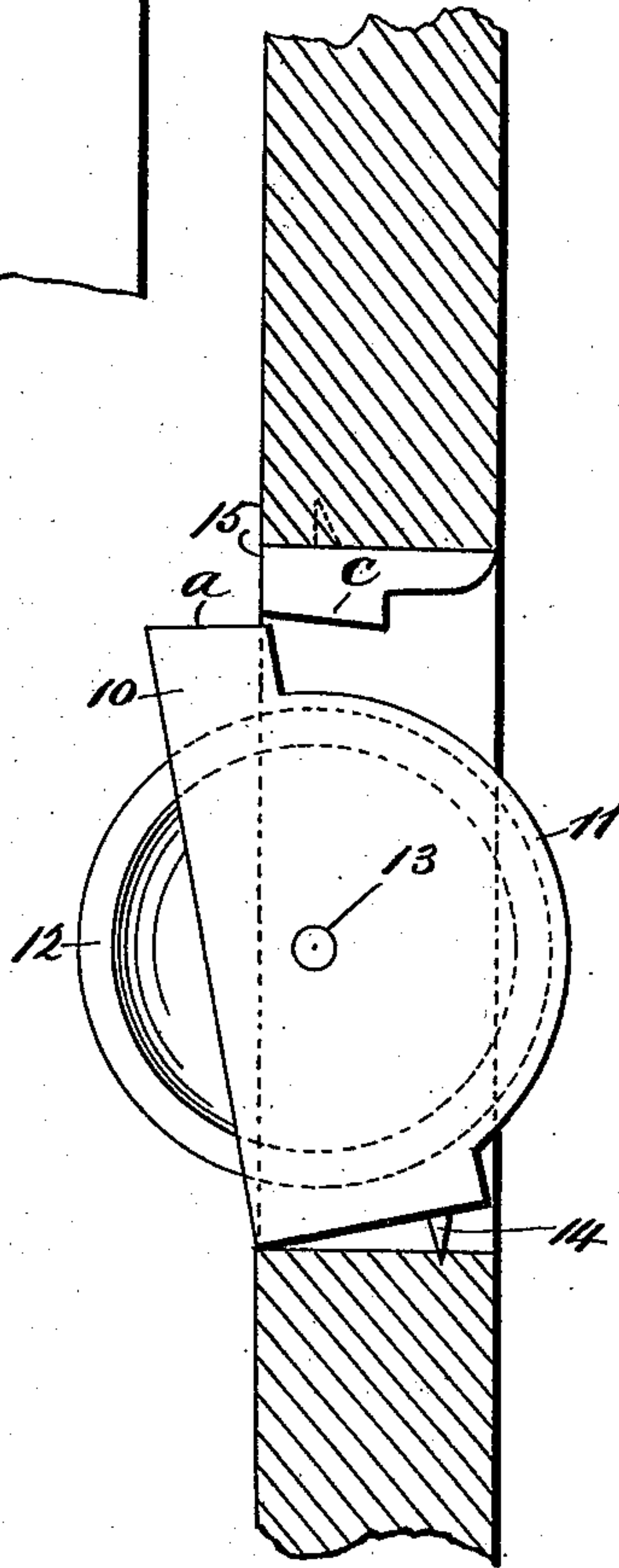


Fig. 4.

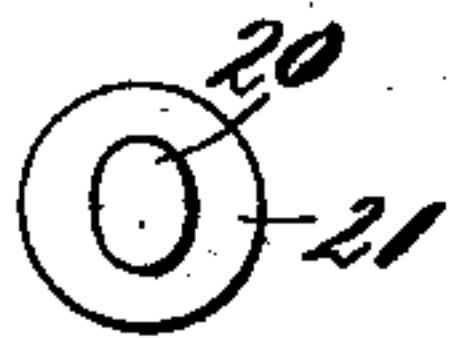
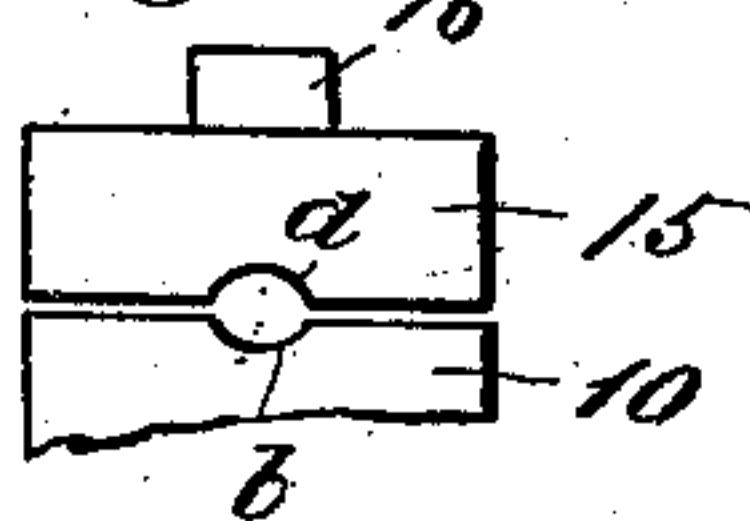


Fig. 5.



WITNESSES:

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SASH-CORD GUIDE.

SPECIFICATION forming part of Letters Patent No. 413,971, dated October 29, 1889.

Application filed February 2, 1889. Serial No. 298,464. (No model.)

To all whom it may concern:

Be it known that I, ABRAM S. SCHELLINGER, of Trenton, in the county of Mercer and State of New Jersey, have invented a new and Improved Sash-Cord Pulley, of which the following is a full, clear, and exact description.

With the ordinary form of sash-cord pulley it frequently happens that it is extremely difficult to secure the sheave-case to place, inasmuch as in mortising the jamb, knots, cracks, and other defects are liable to be encountered, so that the driving of screws becomes extremely difficult; and then, too, the sheave-cases are frequently so formed that special tools have to be employed in making the mortises. It is to obviate these difficulties that I have designed the device forming the subject-matter of this application, the invention consisting, essentially, of a sheave-case, a block, and a locking-pin, the parts being so arranged that by inserting the pin between the sheave-case and the block and giving it a quarter-turn the case will be firmly locked to place.

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

Figure 1 is a face view of a sash-cord pulley constructed in accordance with the terms of my invention, the pulley being shown in position. Fig. 2 is a central sectional elevation. Fig. 3 is a side view, the jamb being shown in section, and the sheave-case being represented as it appears when it is inserted in the mortise. Fig. 4 is a view of the locking-pin; and Fig. 5 is a face view of a portion of the sheave-case and the block.

In the drawings, 10 represents a case formed preferably with side wings 11, which serve as guards for a sheave 12, that is mounted upon a pintle 13, said pintle being supported by the side walls of the case. From the lower end of the case there extends a wedge-shaped spur 14, while the upper end of the case is slightly inclined, as shown at *a*, this upper end being formed with a central semicircular recess *b*.

In connection with the sheave-case just described, I employ a block 15, having a wedge-

shaped spur 16, an inclined face *c*, and a central semicircular recess *d*, which registers with the recess *b* of the case 10.

In applying the pulley above described a mortise is made of proper size to receive the case and block when the block rests upon the upper end of the case. The block is then placed within the mortise and by a slight tap forced to the position in which it is shown in Fig. 3, the spur or projection 16 entering the recess *b*, as indicated. The case 10 is then inserted in the mortise, as shown in Fig. 3, the front edge of the case registering with the face of the jamb, as shown. Then the case is forced backward to the position in which it is shown in Fig. 2. After the parts have been adjusted as described a locking-pin 20, which is elliptical in cross-section and formed with a nicked head 21, is placed in the aperture formed by the recesses *b* and *d*, the major axis of the ellipse being at right angles to the general length of the case 10. Then if the pin be given a quarter-turn the major axis will be brought into a line parallel with the general length of the case and the parts will be firmly locked to place.

The advantages of the above construction will be apparent to those having occasion to use the existing form of sash-cord pulley.

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

1. The combination, with a sheave-case, of a block located above or below said case, and a pin inserted between the case and block to lock the case within the frame, substantially as shown and described.

2. The combination, with a sheave-case, of a block and a locking-pin that is elliptical in cross-section, substantially as described.

3. The combination, with a sheave-case provided with a spur or projection upon its lower face, of a block located above the case and provided with a spur or projection upon its upper face, and a locking-pin for locking the case within the frame, substantially as described.

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Witnesses:

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RALPH SCHELLINGER.