Iverson & Acker,

Stair Rod.

No. 95,589. Patented Oct. 5. 1869.

Fig. 2.

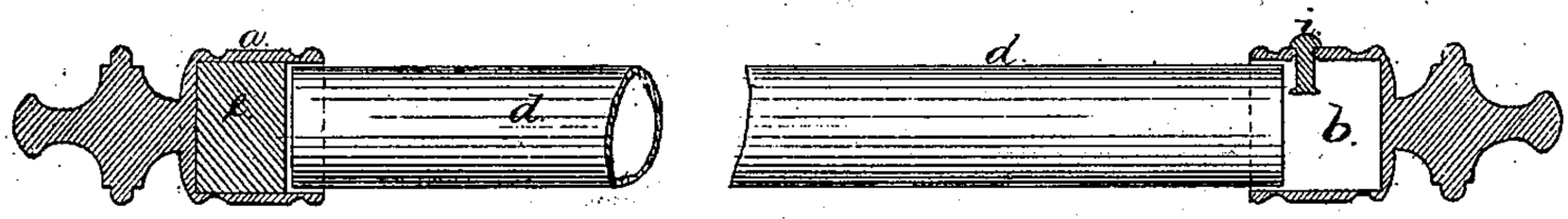
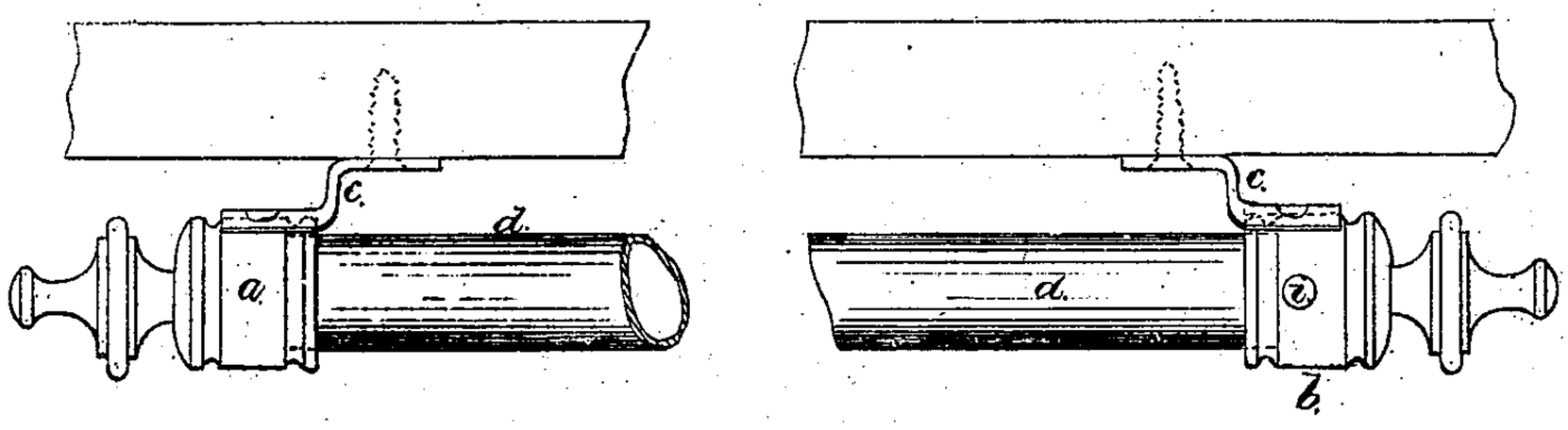


Fig. 1.



Witnesses,

Geo. D. Walker
Geo. T. Pinckney

H. Iverson
D. Acker

United States Patent Office.

HANS IVERSEN AND DANIEL ACKER, OF NEW YORK, N. Y.

Letters Patent No. 95,589, *dated October* 5, 1869.

IMPROVED STAIR-ROD.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, HANS IVERSEN and DANIEL ACKER, of the city and State of New York, have invented and made a new and useful Improvement in Stair-Rods; and we do hereby declare the following to be a full and clear description thereof, reference being had to the annexed drawing, making part of this specification, wherein—

Figure I is a plan of the sockets for the rod and portions of the ends of the rods, and

Figure II is a section longitudinally through the sockets, showing also a portion of the rod.

The same letters of reference are applied to corresponding parts.

Sockets have before been made for the ends of stair-rods, one of the sockets containing a cork, and the other having a spiral spring and washer, held in place by a screw, so that the rod can be pressed against the washer as one end is slipped into the socket, and then the spring and washer follow up this end of the rod as the other end is slipped into the socket containing the cork. This construction is costly, and the spring is liable to be compressed too much, and become inoperative, and the rod slips out of the sockets.

The nature of our invention consists in a sliding bolt combined with the socket for the stair-rod, said sliding bolt being placed through the side of the socket, and retaining the rod in place, but when the bolt is drawn up the rod can be slipped further into the socket, in order that the other end of the rod may be disconnected from its socket.

In the drawing—

a and *b* are the sockets, provided with the straps or arms *c c*, by means of which they are attached to the stairs in the proper position, by means of screws or nails.

The external ornamental shape of the sockets may be of any desired character, according to the size or shape of rod *d*.

In the socket *a*, we prefer to introduce the cork *e*, and through the socket *b* the transverse bolt *i* is introduced, about midway of the depth of the socket. We prefer that this transverse bolt be placed so as to come upon the top part of the socket as it is applied upon the stairs.

It will now be understood that the sockets are to be secured to the stairs at such a distance apart that the rod when inserted will be held in the position indicated in fig. 2, and in this condition is very firmly held in place, and there are no parts that are liable to injury.

When the rod is to be removed, the bolt *i* is lifted, and the rod slipped further into the socket *b*, to liberate the other end.

What we claim, and desire to secure by Letters Patent, is—

The transverse sliding bolt *i*, in combination with the stair-rod socket *b* and attachment *c*, as and for the purposes set forth.

Dated this 20th day of August, A. D. 1869.

H. IVERSEN.
D. ACKER.

Witnesses:
L. W. SERRELL,
GEO. T. PINCKNEY.