

(No Model.)

F. A. NEIDER.

STRAP FASTENING FOR CARRIAGE CURTAINS.

No. 282,354.

Patented July 31, 1883.

Fig. 1.

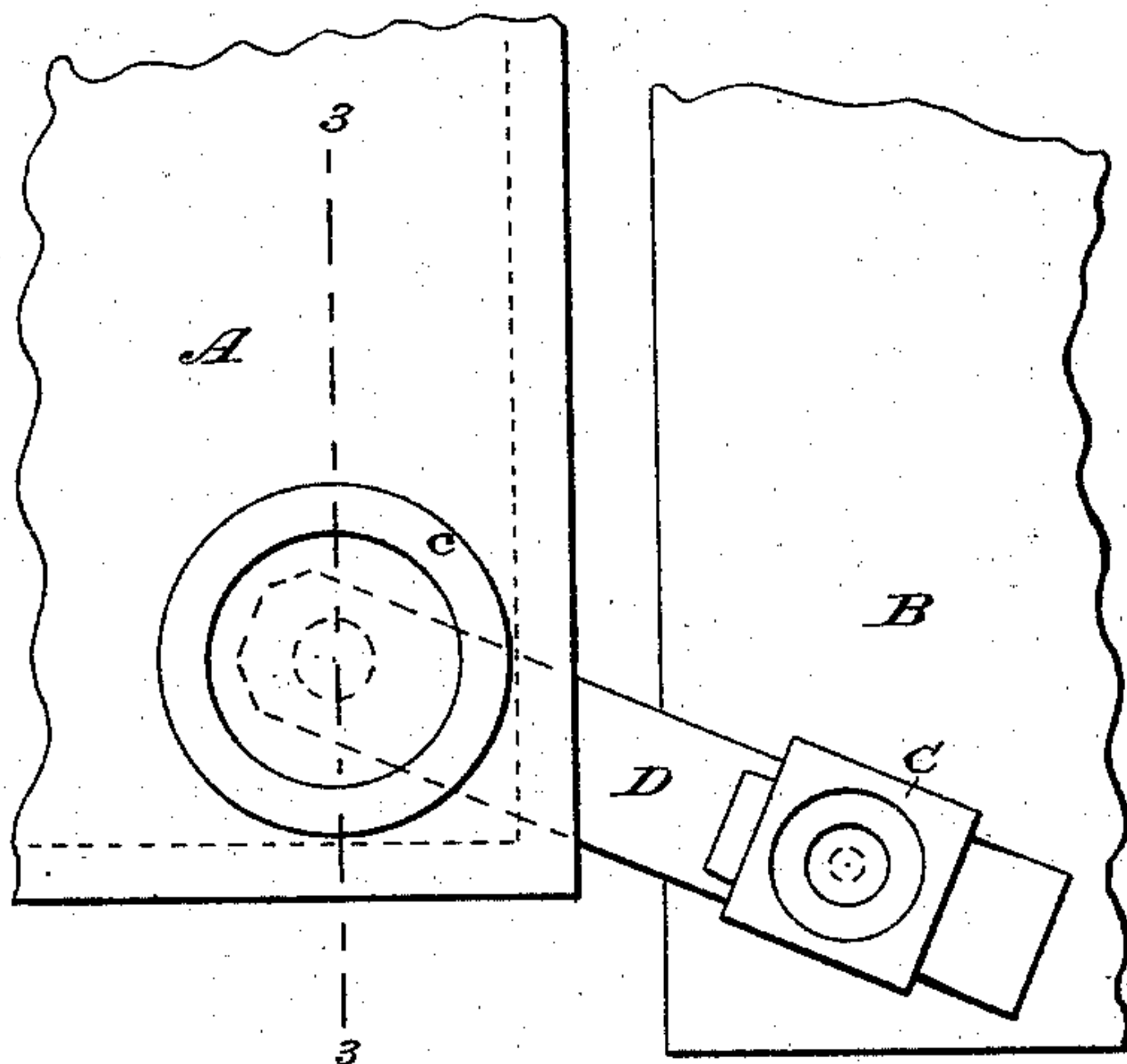


Fig. 2.

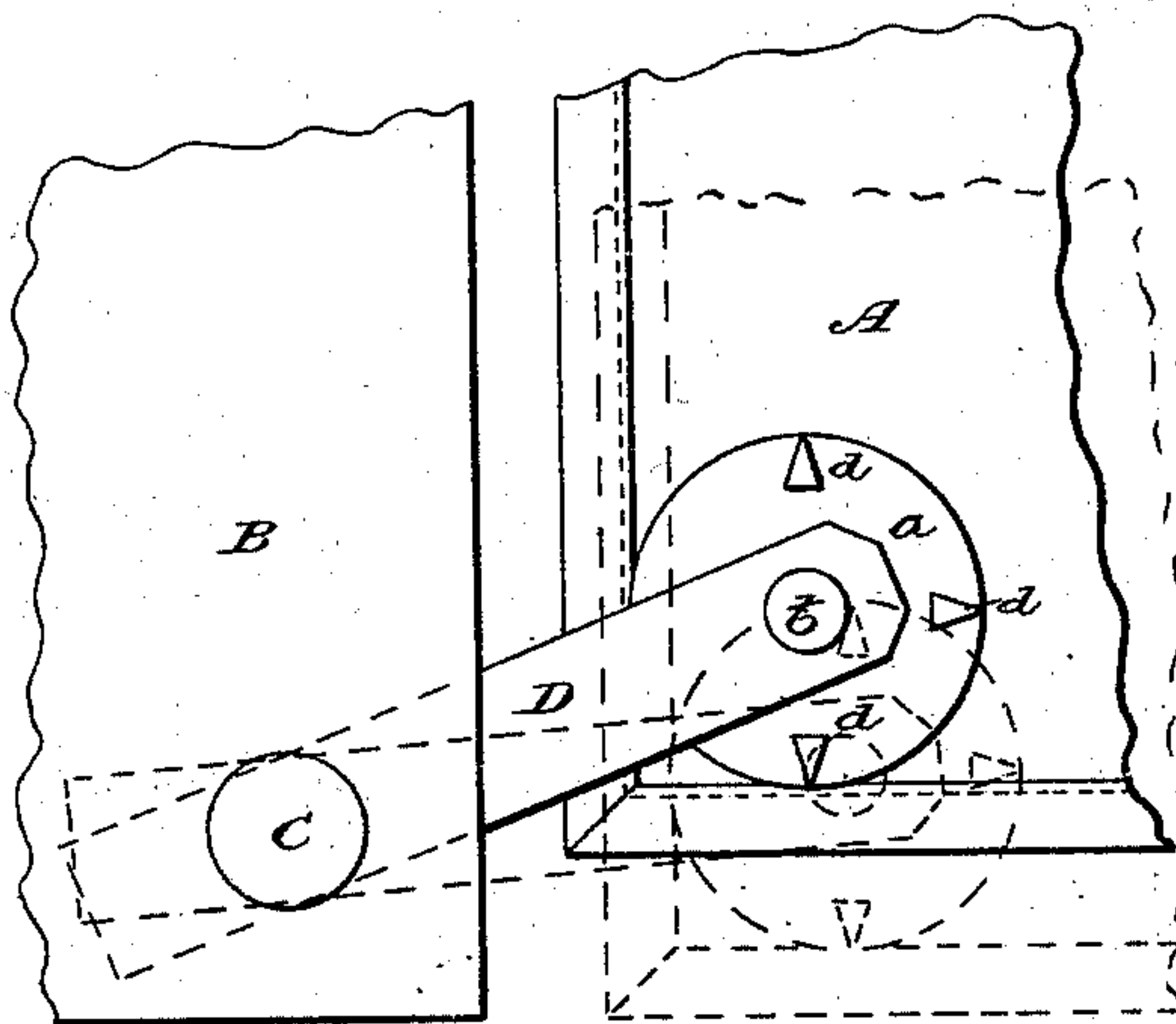


Fig. 3.

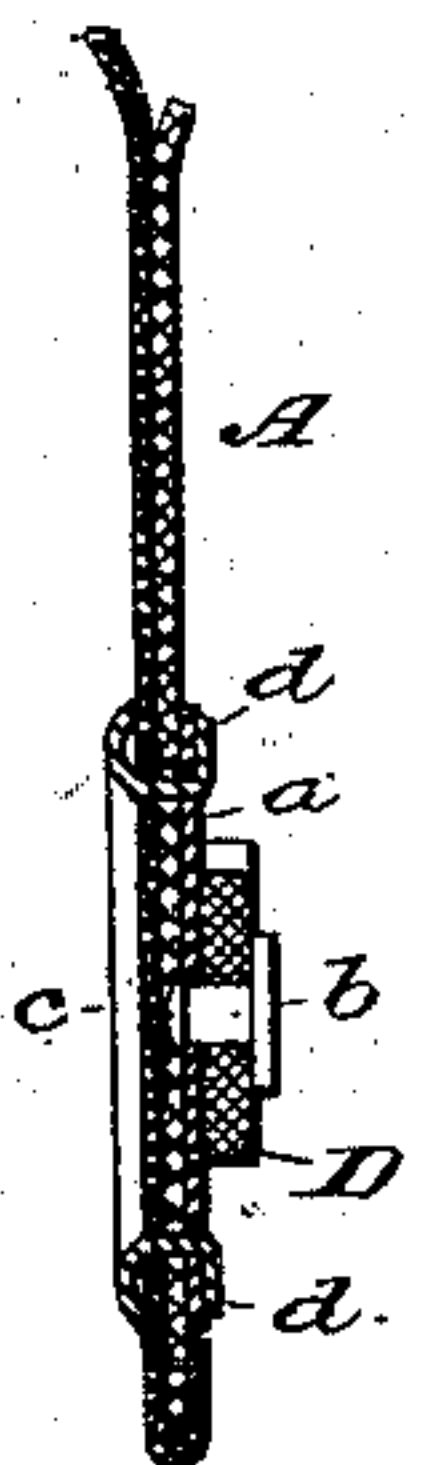


Fig. 4.

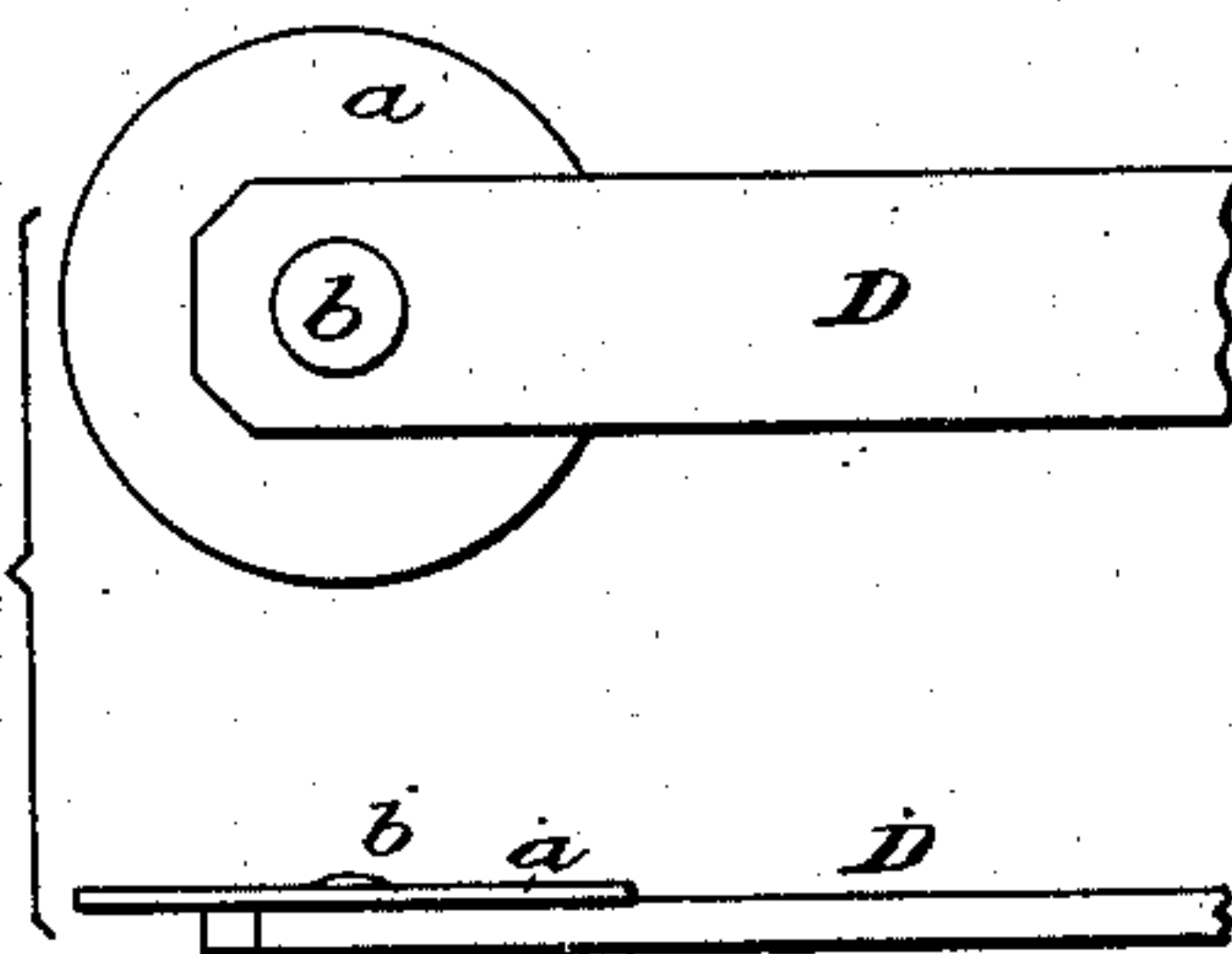
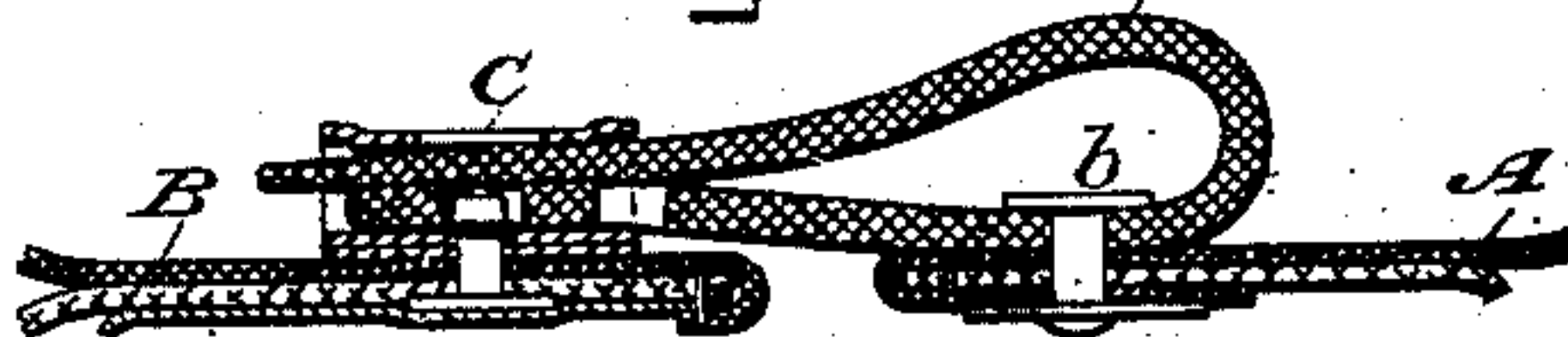


Fig. 5.



Fig. 6.



WITNESSES:

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STRAP-FASTENING FOR CARRIAGE-CURTAINS.

SPECIFICATION forming part of Letters Patent No. 282,354, dated July 31, 1883.

Application filed January 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRED A. NEIDER, a citizen of the United States, residing at Augusta, in the county of Bracken and State of Kentucky, have invented certain Improvements in Strap-Fastenings for Carriage-Curtains and the like, of which the following is a specification.

This invention relates to a frictional swivel attachment for the straps by which a carriage-curtain, for example, is secured. The object is to enable the strap to be presented properly to the strap-fastening when the curtain has become shortened by shrinking.

When a curtain is first made and applied to a carriage-top it has the proper length, and the strap is attached to it at a point opposite to the fastening on the back-stay; but the back-stay is strained and fixed at both ends, and the after shrinkage of it, if any, is not perceptible, and does not affect the position of the strap-fastening. The curtain, however, is free at its lower end, and it will shrink, and thus raise the strap above the level of the fastening. In order, then, to secure the curtain the strap must twist or "buckle" in order to reach the fastening. In my patent of November 30, 1880, No. 234,888, I showed a strap-fastening arranged to swivel on its fastening-rivet, so that it might be turned partially around, so as to receive the strap. This, however, while important, does not overcome the difficulty. It is necessary that the strap be swiveled to the curtain in some manner, and this forms the essential feature of my present invention, which I will now describe.

In the drawings, which serve to illustrate my invention, Figure 1 is a view showing a part of a curtain and back-stay from the outside, and Fig. 2 is a reverse or inside view of the same. These illustrate my improved strap-fastening and its advantages in a case where the curtain is shrunk. Fig. 3 is a cross-section taken on line 3 3 in Fig. 1. Figs. 4 and 5 illustrate a modification which will be referred to hereinafter. Fig. 6 also illustrates a modification.

Let A represent the corner of a carriage-curtain, and B a back-stay, both of the usual kind.

C represents a fastening or securing device for the free end of the strap, which is com-

monly called a "strap-fastening," although I herein designate the entire device by this name. The securing device C is, as herein shown, the same as that described in my patent before mentioned, and I prefer this form, although I am not necessarily confined to this kind of device.

D is the strap, which is attached at the end to a disk or plate, *a*, preferably of thin metal, by a rivet, screw, or stud, *b*, on which the strap turns, as on a pivot, being preferably attached so as to require some effort to turn it. The plate *a* may be of any shape; but I usually make it circular, as shown. It is attached to the curtain A in any suitable way; but I prefer to pierce it with slits, and to apply to the outer face of the curtain a metal ring, *c*, with points *d d*, which pass through the curtain and the slits in the plate *a*, and are clinched down thereupon, as best shown in Figs. 2 and 3.

Figs. 1 and 2 show the operation of my device on a shrunk curtain. The strap D is turned on its attaching-stud until it points obliquely downward toward the securing device C. The latter is also turned to receive it, and the fastening thus effected presents the appearance shown in Figs. 1 and 2. The dotted lines in Fig. 2 show the positions of the parts when the curtain is new and not shrunk.

Fig. 4 is a plan and edge view of the strap D and its attaching-plate *a*, and Fig. 5 shows the ring *c*. These are precisely like those illustrated in the other views, except that the clips or points *d* on the ring are on the outer margin of the same, and when in use take over the edge of the plate *a* and clinch down upon it, instead of passing through slits therein; or the plate A might be sewed onto the curtain or other part, and the ring *c* be omitted.

In lieu of the device C, constructed as shown in my patent before mentioned, I may employ a strap attached to a stay in the same way that the strap D is attached to the curtain, and to this strap I may attach a buckle or other securing device. My mode of attaching the strap may also be applied to the attachment of straps to other things than curtains, where such are liable to shrink and draw up, and it may be applied in providing fastenings for the curtain to other parts than back-stays—as, for example, to some part of the carriage-frame.

In Fig. 6 I have illustrated a modification

in which the strap D is attached at its middle instead of at its end, and in swiveling it I omit the plate *a* and employ only an ordinary rivet and washer. I prefer, however, to employ the plate *a*; but I may attach the strap at its middle or near its middle, whether I employ the plate or not in swiveling. In this construction both ends of the strap are tucked into the loop.

10 Having thus described my invention, I claim—

1. A carriage-curtain fastening comprising a strap swiveled to the curtain and a securing device swiveled to the back-stay or other part, substantially as set forth, whereby the said strap and securing device may be adjusted into alignment with each other when the curtain has shrunk.

2. As a means for forming a swivel attachment of a strap to carriage-curtains, &c., the combination, with the strap, of a plate secured

to the strap by a rivet or its equivalent, so that the strap may turn on said rivet, and means, substantially as described, for attaching the plate to the curtain, substantially as set forth. 25

3. As a means for forming a swivel attachment of a strap to carriage-curtains, &c., the combination, with the strap, of a plate, *a*, secured thereto by a rivet or its equivalent, so that the strap may turn on said rivet, and a ring, *c*, provided with clips, and adapted to be applied by passing its clips through the curtain and clinching them down on the plate *a*, substantially as set forth. 30 35

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FRED A. NEIDER.

Witnesses:

HENRY CONNETT,
ARTHUR C. FRASER.