

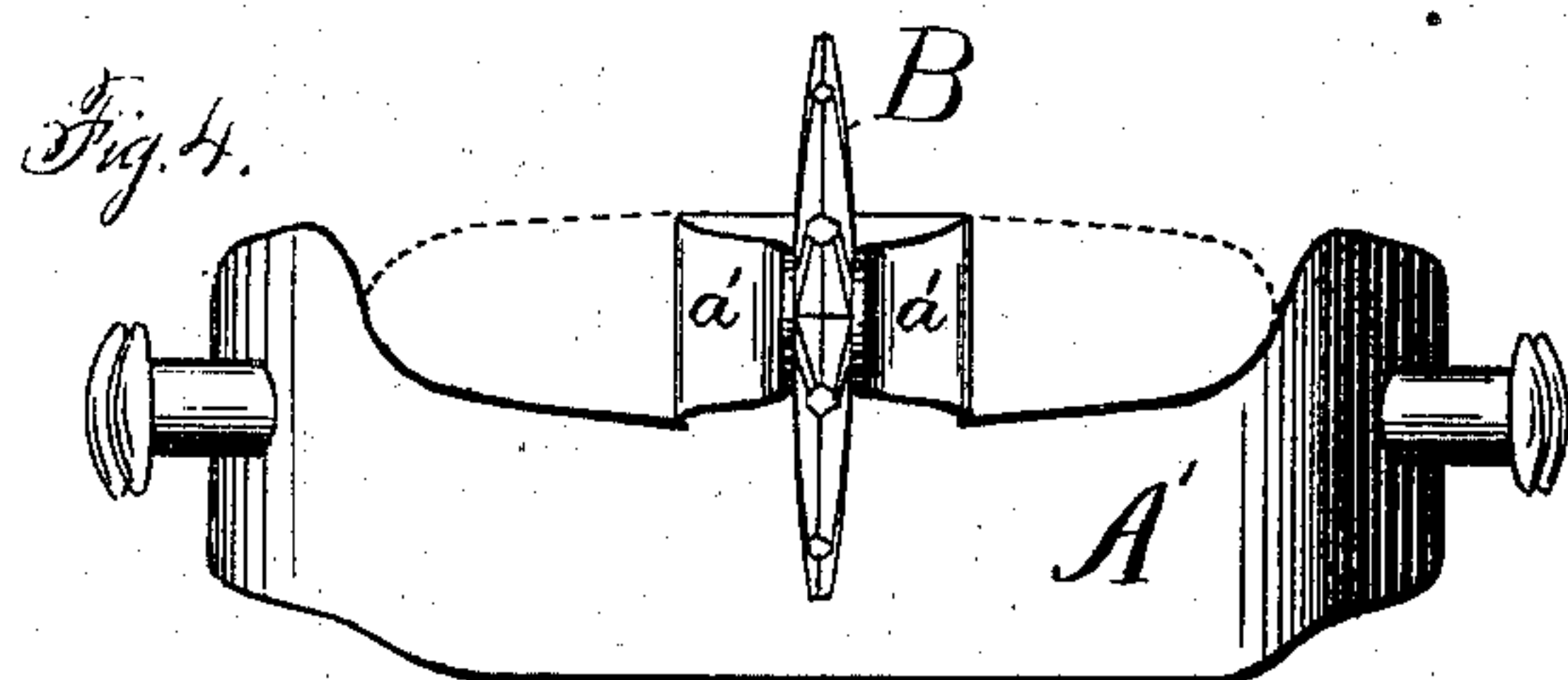
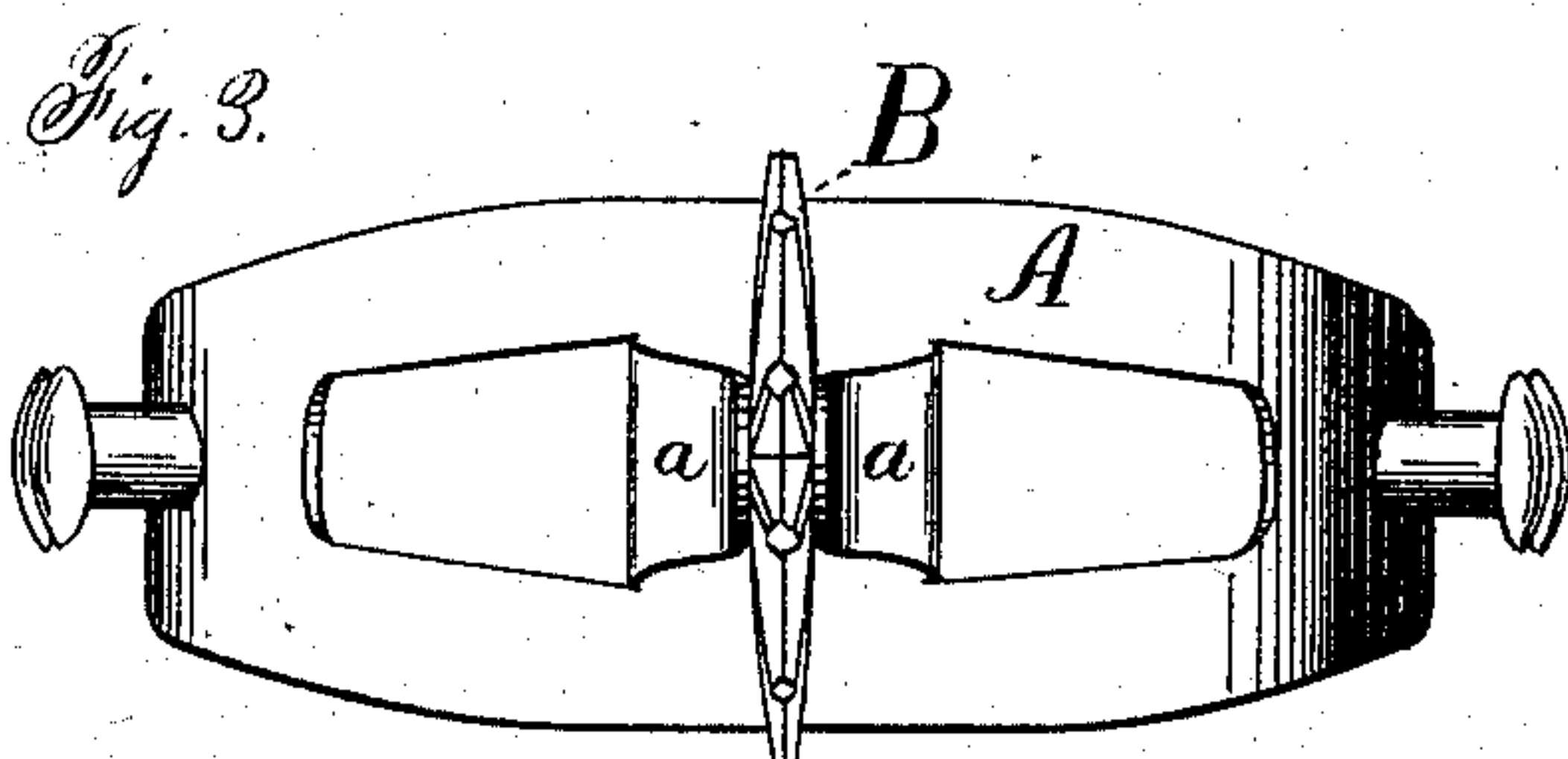
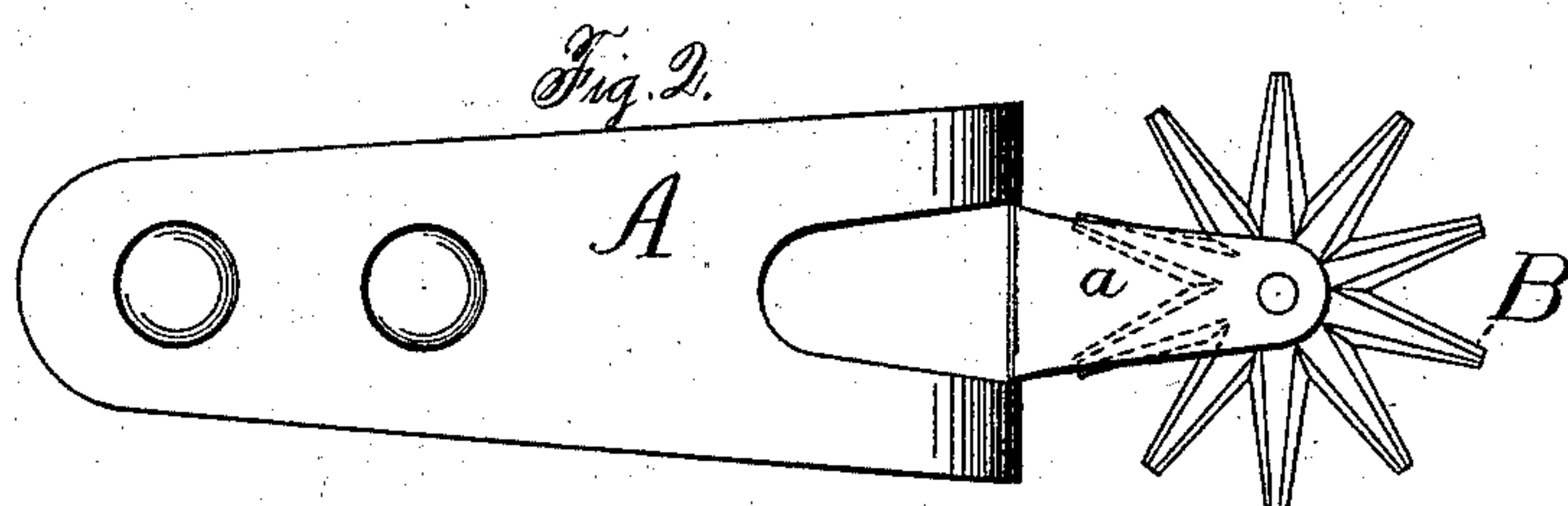
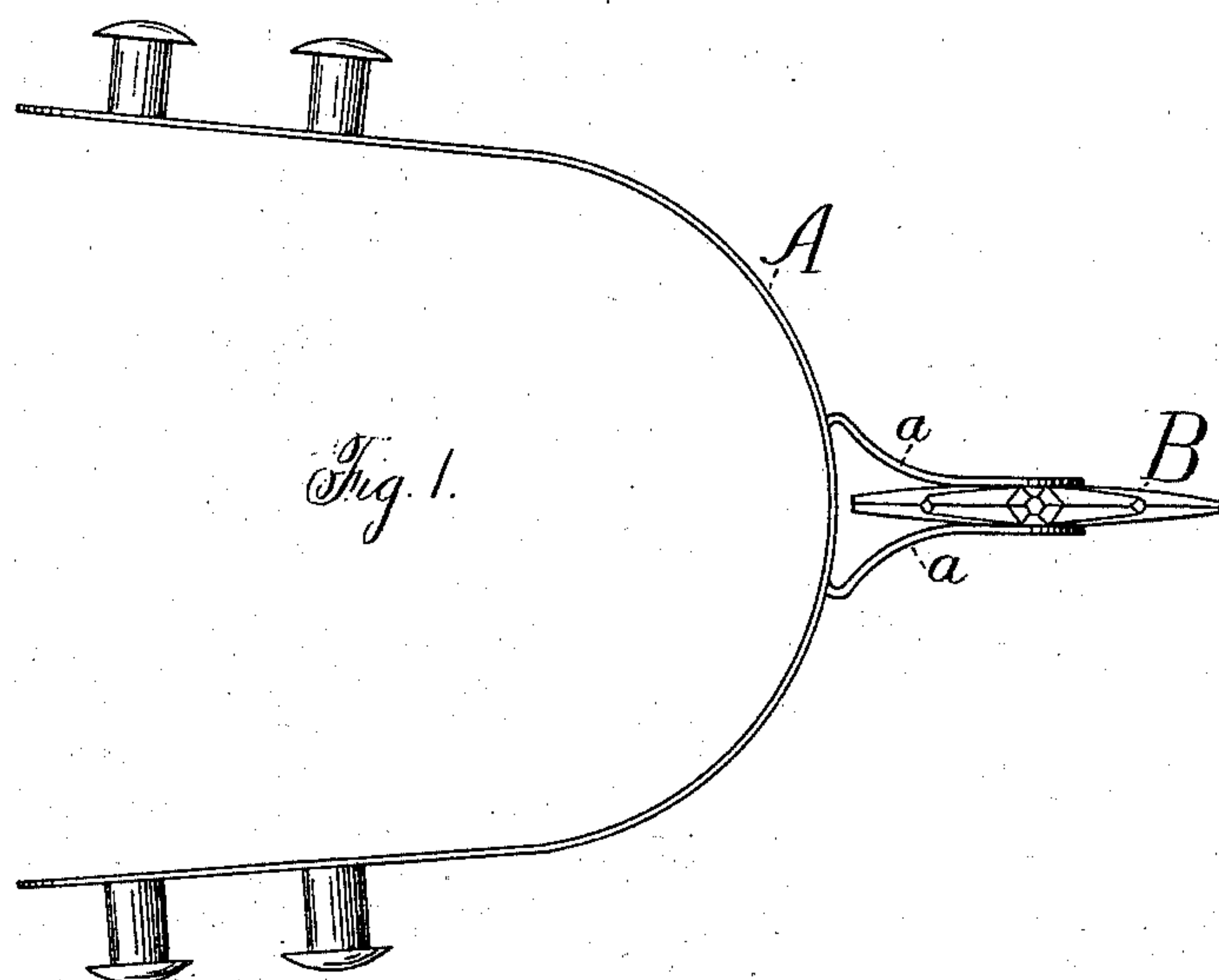
(No Model.)

A. McMANUS.

SPUR.

No. 255,879.

Patented Apr. 4, 1882.



Witnesses.
John Edwards Jr.
Lynnman DuRoi

Inventor.
Alango McManus.
By James Shepard
att'y

UNITED STATES PATENT OFFICE.

ALONZO McMANUS, OF NEW BRITAIN, CONNECTICUT.

SPUR.

SPECIFICATION forming part of Letters Patent No. 255,879, dated April 4, 1882.

Application filed July 18, 1881. (No model.)

To all whom it may concern:

Be it known that I, ALONZO McMANUS, of New Britain, in the county of Hartford and State of Connecticut, have invented certain
5 new and useful Improvements in Spurs, of which the following is a specification.

My invention relates to improvements in spurs in which the arms which form the neck for hanging the rowel are turned up from the
10 body of the sheet-metal rim and bent into position for the reception of the rowel, said rim and arms consisting of only one and the same piece of metal; and the objects of my invention are to save labor and to produce a light,
15 neat, and substantial article at a moderate cost. I attain these objects by the simple construction illustrated in the accompanying drawings, in which—

Figure 1 is a plan view; Fig. 2, a side elevation; Fig. 3, a rear elevation, and Fig. 4
20 a rear elevation showing a different form of spur which embodies the generic features of my invention.

A designates the rim, *a a* the arms which
25 form the neck, and B the rowel, all of which, except in the particulars hereinafter specified, may be in any desired form, and are substantially the same as those in common use.

I prefer to form the rim or heel-band clasp
30 A of sheet metal and to cut the lugs which form the rowel-arms *a a* out from the body of the rim A upon both sides, and when so cut to bend them toward each other to form the neck in which to pivot the rowel B, as
35 shown in Figs. 1, 2, and 3. In this case the arms are cut by dies and punches, which leave the stock uncut upon those ends or sides of the dies which confront the neck, so that said arms may be bent toward each other and have
40 a solid and uncut portion of the rim between them. The metal is simply slit to form the ears without removing any substantial portion; or, in other words, the arms consist of the stock which is removed from the body of
45 the rim at the punched or perforated portions. This construction is very simple and inexpensive, and the rim and arms are formed complete from only one piece of metal, thereby avoiding all necessity for rivets or other fast-

ening device. In the form shown in Figs. 1, 50
2, and 3 the edge of the rim is of the ordinary form and of full width. Other forms of blanks may be employed to produce my spur, one of which different forms is hereinafter described. The shape of the arms is immaterial.

In the foregoing construction, and also in
55 that hereinafter described, the rim or heel-band clasp A is of a single thickness only at the back part and without any rivet or rivets passing thorough it at said part, whereby it is
60 not only light, neat, and substantial, but is quite springy, and has no objectionable seam or joint at that point.

In Fig. 4 I have shown another form for
65 making the rim and arms of one piece, and with the arms bent toward each other, substantially as before described, but in a less desirable manner, because the rim A' is narrowed by removing the arms *a' a'* from one
70 edge of the rim. The broken lines indicate the outside edge of the arms *a' a'* before being bent from the rim, and also that half of said arms that have surplus metal trimmed off from
75 them. The remaining half of the edges of the arms *a' a'* are simply slit from the body of the rim without removing any stock.

I am aware that a prior patent shows a spur in which the heel-band clasp is formed of two
80 pieces riveted together, and with portions of their meeting ends turned up to form the rowel-arms, and the same is hereby disclaimed.

I claim as my invention—

1. In a spur, the rim or heel-band clasp consisting of a single piece of metal, having the
85 lugs which form the rowel-arms turned up therefrom and formed integral therewith, substantially as described, and for the purpose specified.

2. In a spur, the rim or heel-band clasp A,
90 having the lugs which form the rowel-arms *a* cut out and turned back from the body of the rim at the perforations and formed integral with said rim, substantially as described, and for the purpose specified.

ALONZO McMANUS.

Witnesses:

C. H. AVERY,
A. W. STANLEY.