

No. 724,403.

PATENTED MAR. 31, 1903.

J. A. STUART.  
BUTTON PAD.

APPLICATION FILED JULY 26, 1902.

NO MODEL.

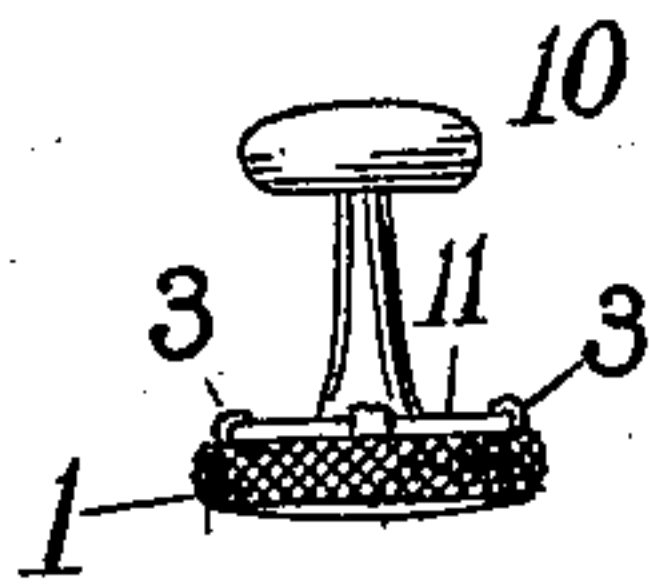


Fig. 1

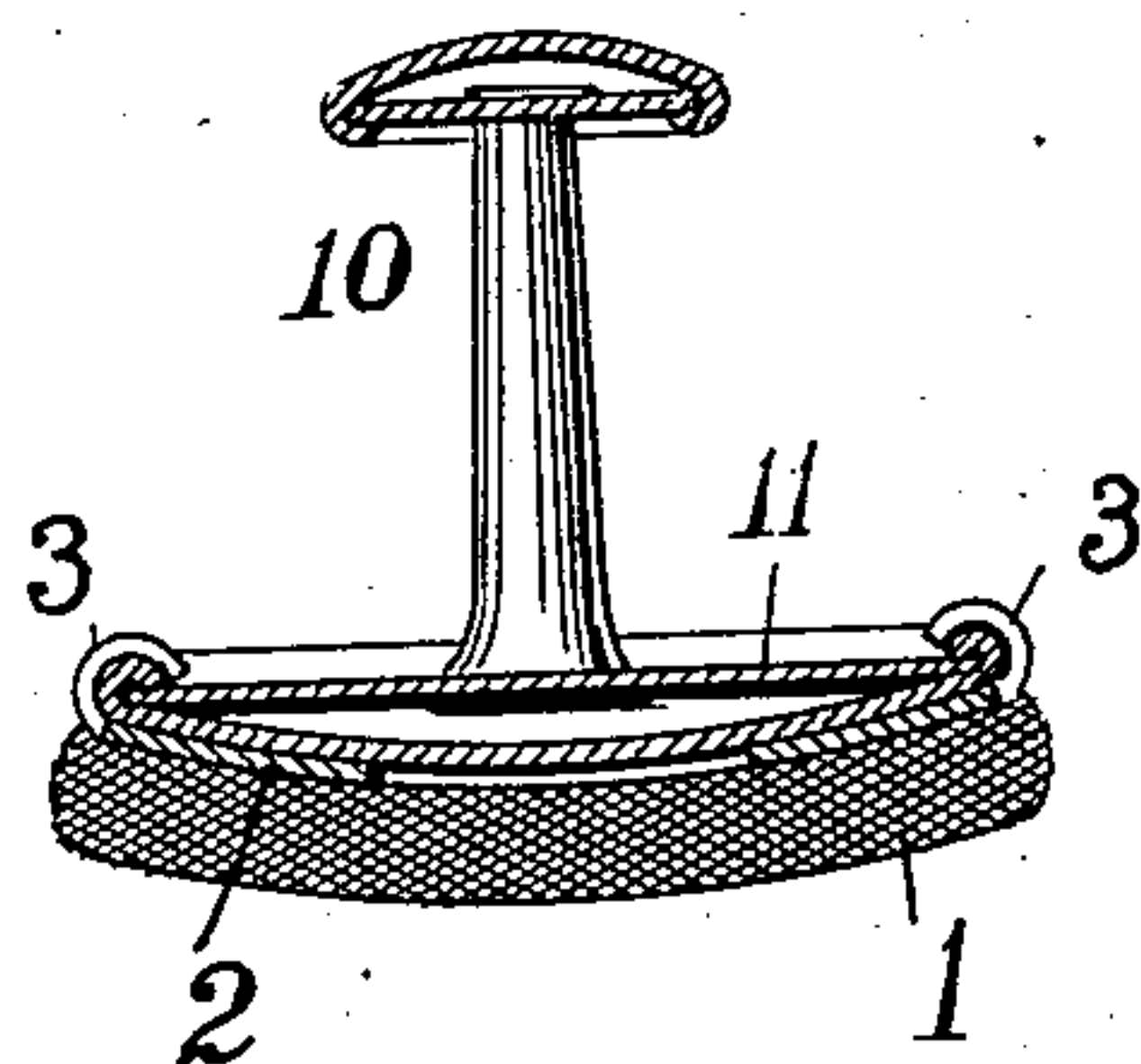


Fig. 2

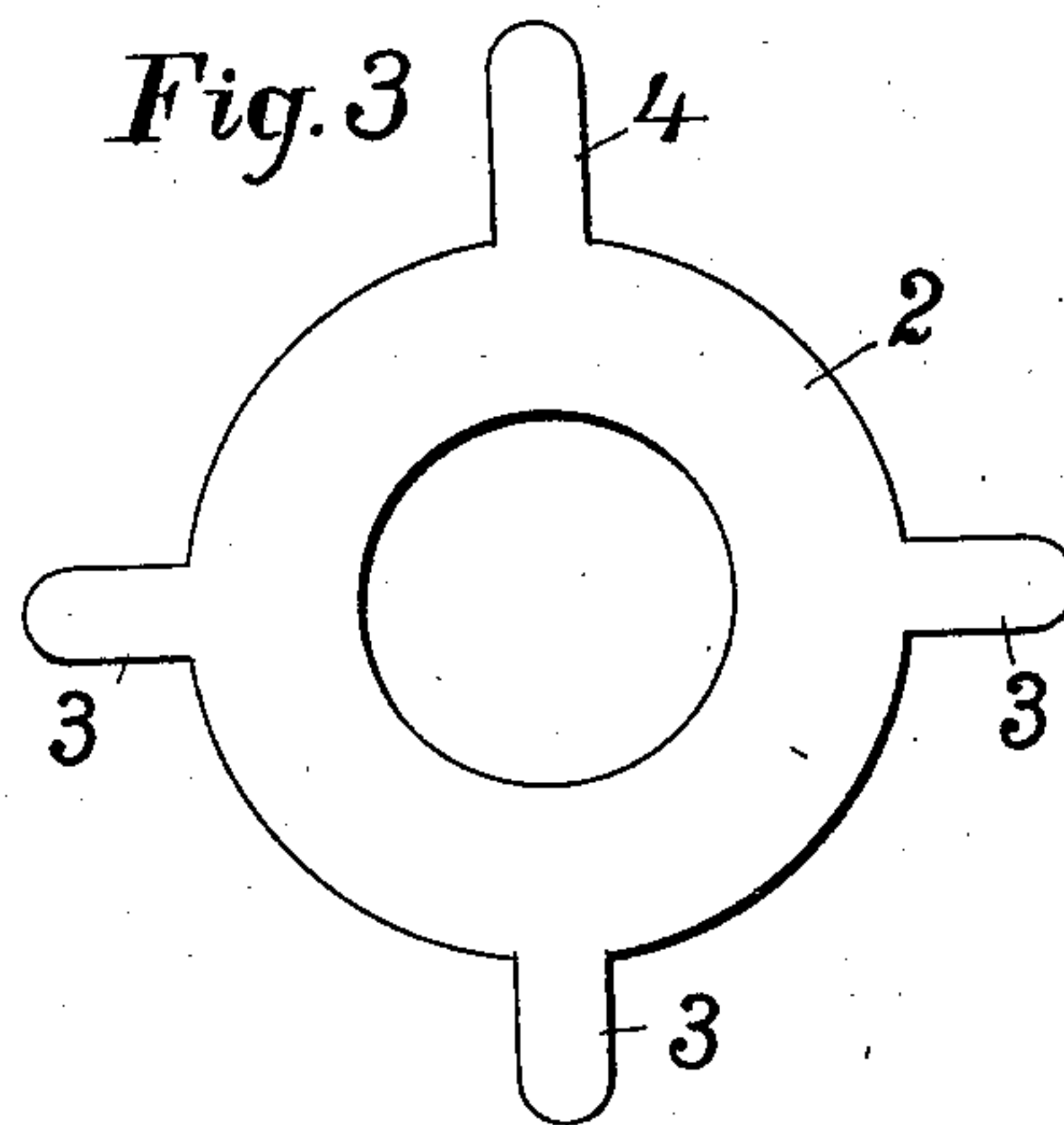


Fig. 3

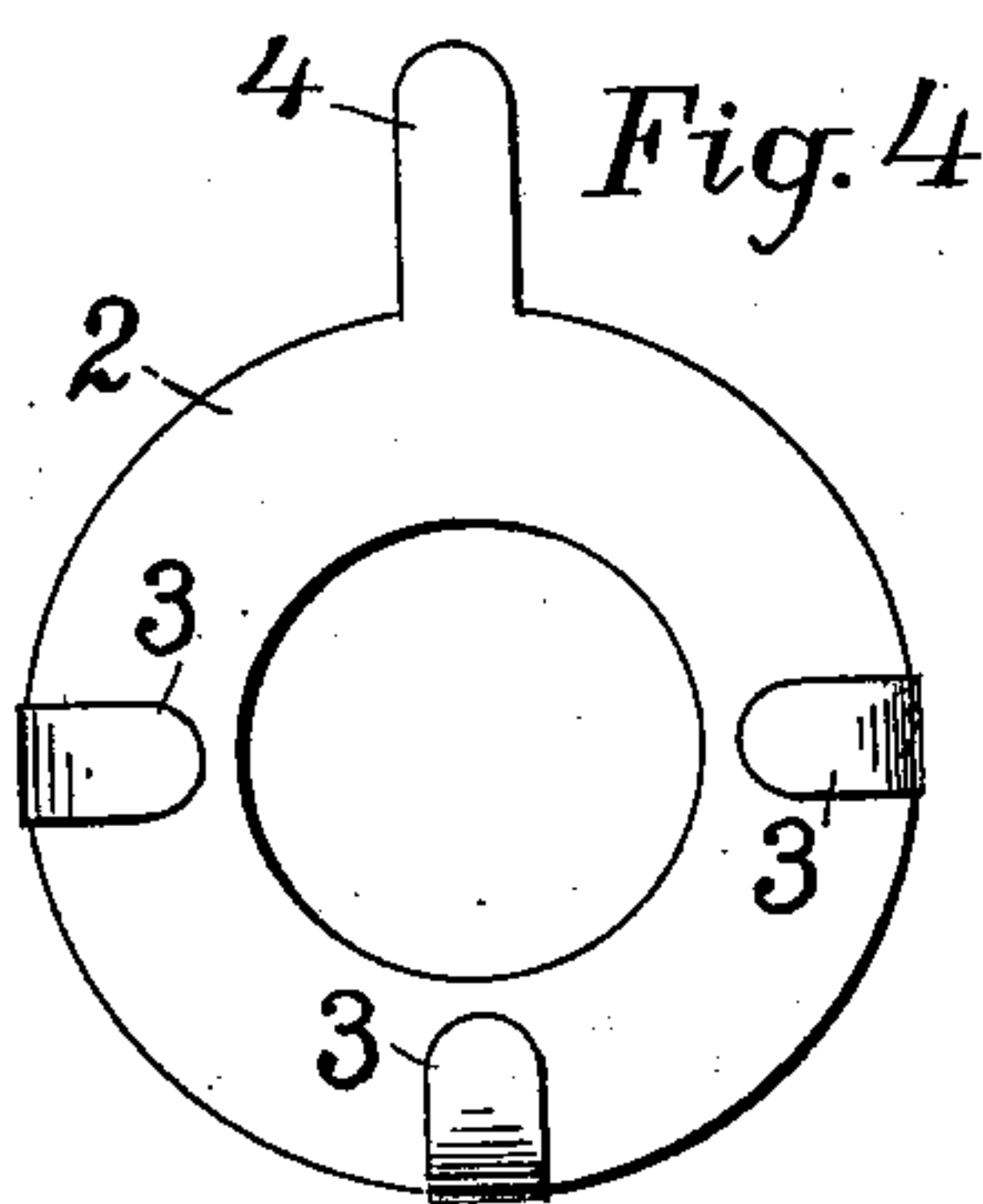


Fig. 4

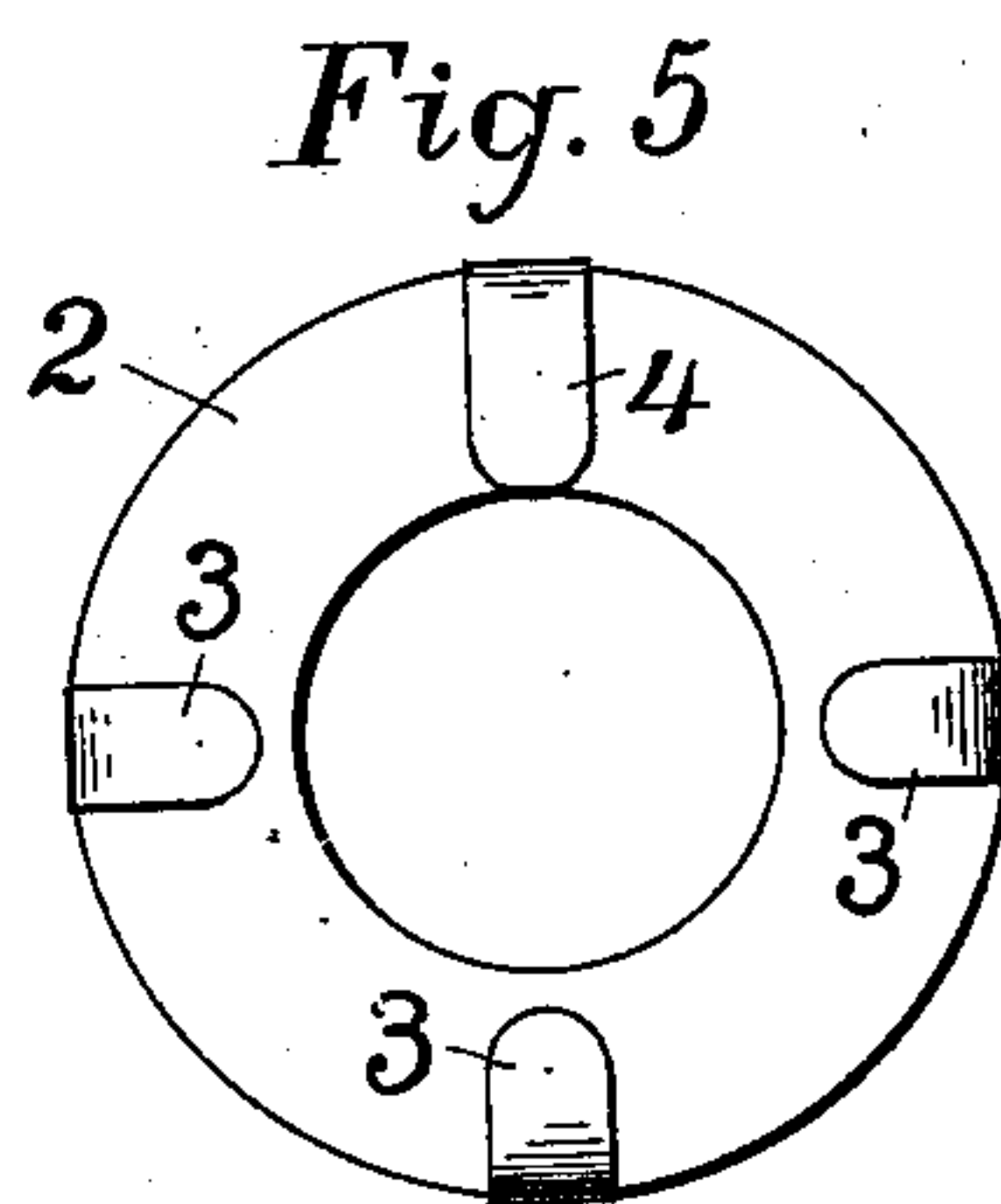


Fig. 5

Witnesses;

Edward Bates  
E. R. Scott.

Inventor,

James A. Stuart;

By *A. B. Upham*,  
His Attorney.

# UNITED STATES PATENT OFFICE.

JAMES A. STUART, OF WOLLASTON, MASSACHUSETTS.

## BUTTON-PAD.

SPECIFICATION forming part of Letters Patent No. 724,403, dated March 31, 1903.

Application filed July 26, 1902. Serial No. 117,145. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES A. STUART, of Wollaston, in the county of Norfolk, State of Massachusetts, have invented certain new and useful Improvements in Button-Pads, of which the following is a full, clear, and exact description.

The object of this invention is the construction of an improved means for rendering soft and non-irritating the heads of buttons designed to come in contact with the wearer's flesh, such as collar-studs or studs for wristbands.

My invention for this purpose consists of a soft pad, preferably of felt, and means for quickly and easily applying the same to the heads of studs.

Referring to the drawings forming part of this specification, Figure 1 is a side view of a collar-stud having my pad applied thereto. Fig. 2 is a side sectional view of the same upon a much larger scale. Fig. 3 is a face view of the sheet-metal blank by means of which the felt pad is secured to the stud. Fig. 4 is a similar view showing the same as it is received by its purchasers and ready to be applied to a stud. Fig. 5 is a similar view showing the same in the condition in which it is put after being so applied.

In the illustrations the reference-numeral 10 indicates a stud of the usual pattern designed for collar-buttons especially, and 11 the larger head of the same—the head which comes within the shirt-band and hence against the neck of the user. To secure the felt pad 1 thereto, I cement the same to an annular sheet-metal fastening device 2, the latter being formed with several prongs 3 and 4, adapted by being bent over the edge of the head 11 to be thereby securely fastened to the latter. In preparing these fasteners for the market I prefer to have all but one of the prongs bent over to substantially the form shown in Fig. 2, such unbent prong 4 standing radially outward, as illustrated by Fig. 4. The bent prongs 3 hence compose practically a pocket within which the stud-head 11 can be laterally thrust, sliding just over the straight prong 4. When said head is thus brought into position, the said prong 4 can then be bent up and over the edge of

the stud-head to the position shown in Fig. 5, thus securely locking the same in place. All the prongs may then be bent more closely down against the surface of the head to bring their points below the slight rim which is often formed at the edge of the head, as in Fig. 2. To render it easier to thus bend the prong 4 over upon the stud-head, I prefer to have the former substantially longer than the prongs 3, as shown in Figs. 3, 4, and 5.

As many of the studs now on the market are formed with rounded or bellying heads, I usually shape the fastener-annulus 2 to correspond, and for the same reason and the additional one of lightening the same the center is removed to render the device an annulus instead of a disk.

Even were the stud-heads usually formed flat I should prefer to make the annulus 2 slightly spherical for the purpose of having the pad 1 press more at its center against the necks of the users, and so lessen the danger of an edge thereof coming in contact with the flesh.

I have experimented considerably with rubber as a material for such pads; but I find the same highly objectionable, first, because of the discoloration caused by the sulfur therein upon the metal studs; second, because the impervious rubber tends to irritate the skin by the moisture collecting beneath the former. Felt, on the other hand, does not discolor and, moreover, is so permeable by the air as to remain perfectly dry and non-irritating.

What I claim as my invention, and for which I desire Letters Patent, is as follows, to wit:

1. The combination with a stud, of a soft pad and a sheet-metal fastening device permanently affixed to said pad and constructed to be applied to the head of the stud, substantially as described.

2. The combination with a stud, of a pad and a sheet-metal member permanently affixed to said pad and formed with prongs constructed to be applied to the edges of the head of said stud, substantially as described.

3. As a new article of manufacture, a pad and a circular sheet-metal member affixed thereto; said member being formed with a



plurality of prongs certain of which are bent into form for engagement with a circular body, substantially as described.

4. The combination with a stud, of a pad,  
5 and a sheet-metal annulus bent slightly spherical and formed with the prongs for the engagement of the edges of the head of said stud; said pad being permanently affixed to said annulus, substantially as described.

10 5. The combination with the stud, of the pad, and the sheet-metal member affixed

thereto and formed with a plurality of prongs one of which is longer than the others, substantially as described.

In testimony that I claim the foregoing in- 15  
vention I have hereunto set my hand this 23d  
day of July, 1902.

JAMES A. STUART.

Witnesses:

JAMES A. SCOTT,  
A. B. UPHAM.