

No. 630,410.

Patented Aug. 8, 1899.

B. J. RILEY.
HINGE.

(Application filed Feb. 3, 1899.)

(No Model.)

Fig. 1.

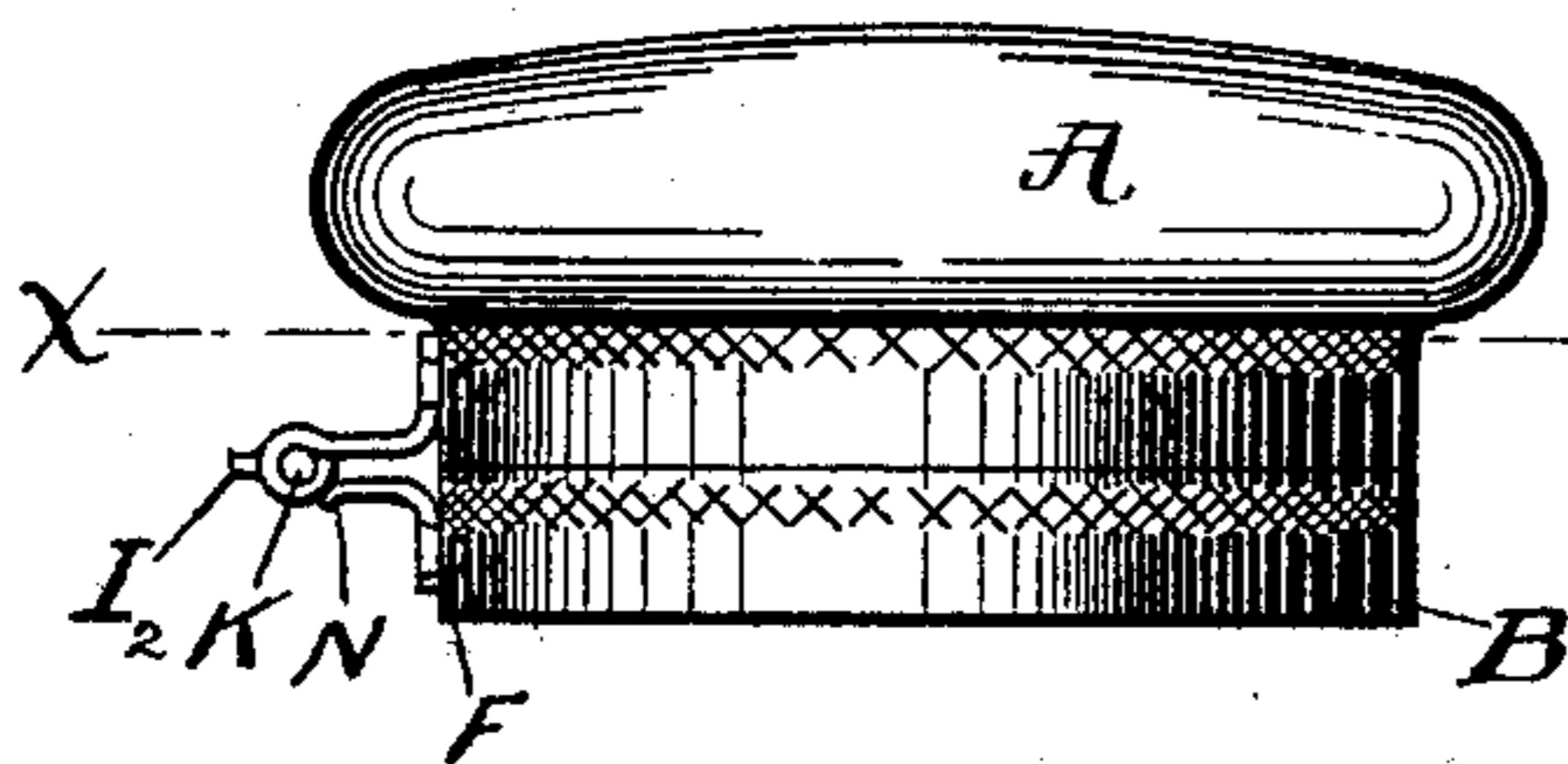


Fig. 2.

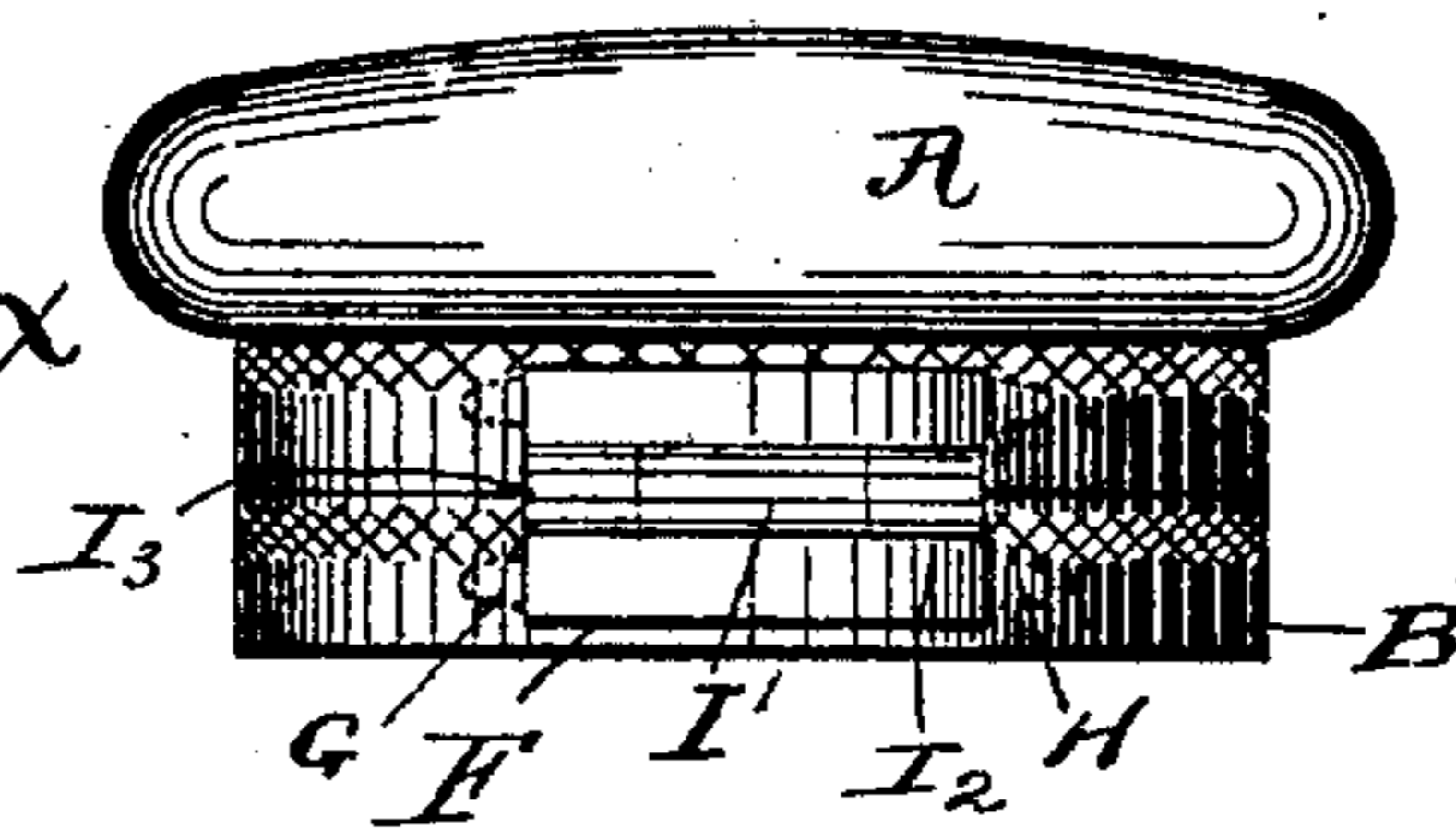


Fig. 3.

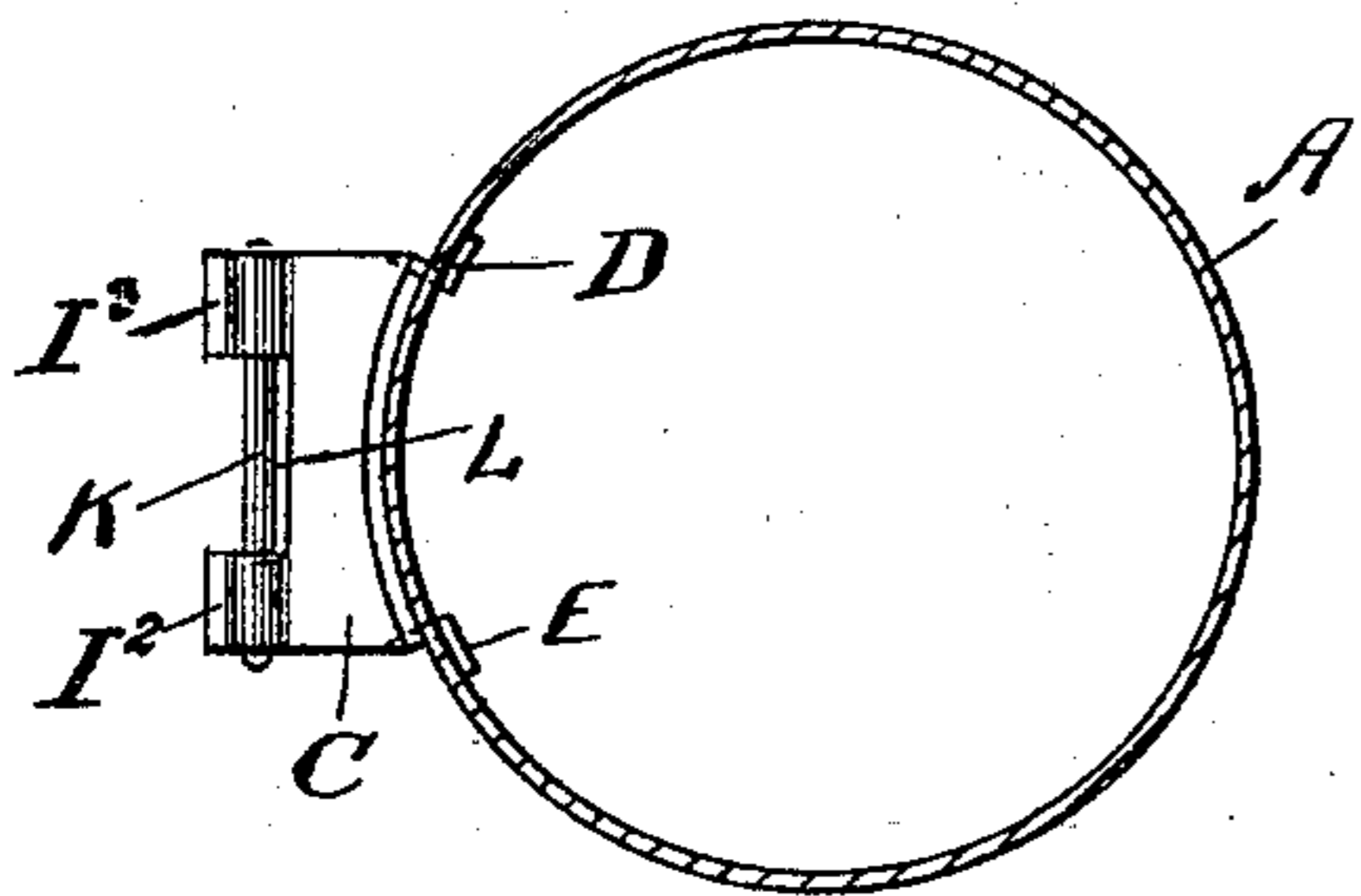


Fig. 4.

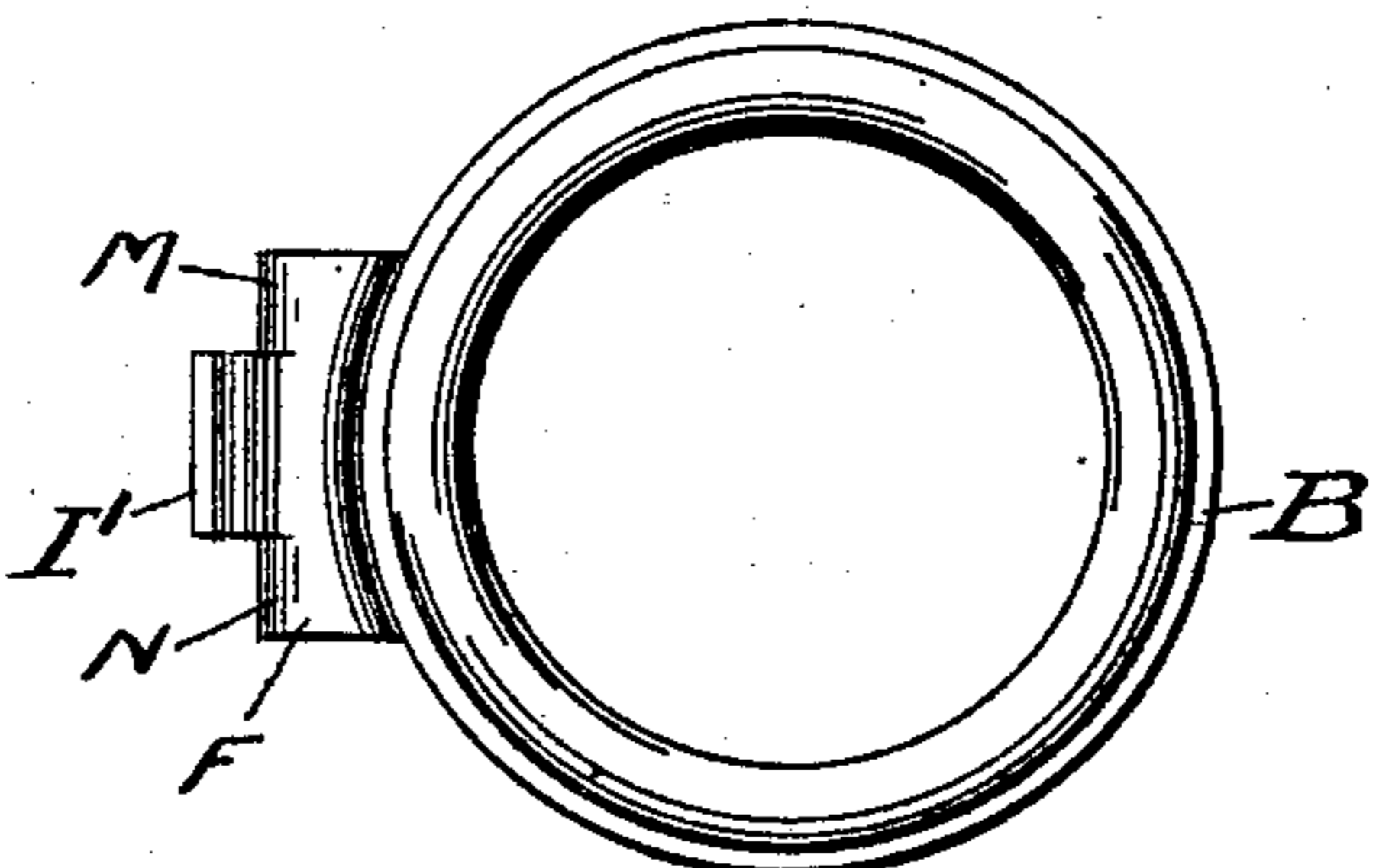
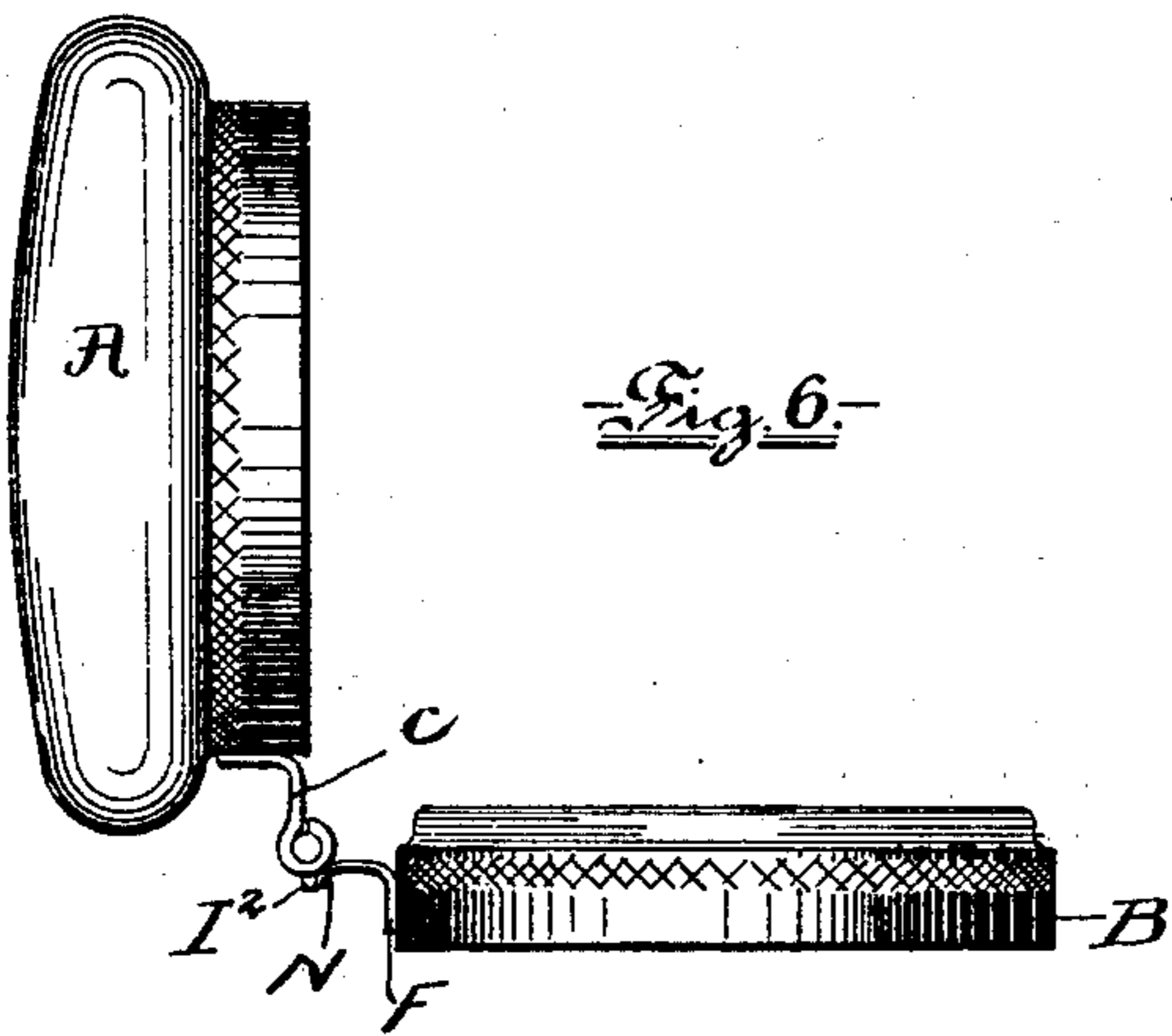


Fig. 5.



Fig. 6.



Witnesses

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BERNARD J. RILEY, OF HARRISON, NEW JERSEY.

HINGE.

SPECIFICATION forming part of Letters Patent No. 630,410, dated August 8, 1899.

Application filed February 3, 1899. Serial No. 704,363. (No model.)

To all whom it may concern:

Be it known that I, BERNARD J. RILEY, a citizen of the United States, residing at Harrison, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Hinges; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form part of this specification.

My invention relates to the covers used for inkstands and like vessels for holding fluids destined to be used at short intervals.

The object of my invention has been to furnish an improved hinge between the cover proper (or, as it is technically known, the "cap") and the collar to which it is pivoted by means of the said hinge, the collar being secured around the neck of the bottle or vessel.

This improvement consists in furnishing means for preventing the tilting back of the cap at an angle of one hundred and eighty degrees with the collar, the cap by my improved means being stopped about half-way, so that it retains an almost vertical position, a slight tilt being allowed backward to make sure of its retaining its upright position. I am of course well aware that different means for retaining the cap in such upright position have been patented and used from time to time; but to my knowledge none have to this date been invented which, formed by a special die for that purpose designed and constructed, have said stopping element as an integral part of the hinge and which additionally have the qualification of simplicity and reduction in cost as compared with the equivalent means in this class of articles.

In describing my invention I shall call attention to the accompanying drawings, where like letters of reference indicate corresponding parts in the different views.

Figure 1 shows a side view of an inkstand-cover with my improved hinge attached; Fig. 2, a rear view of the hinge, showing the supporting-rib fully; Fig. 3, a sectional view through the line X X in Fig. 1, showing the upper hinge; Fig. 4, a top view of the collar having the lower hinge part attached; Fig. 5,

a side view of the collar as shown in Fig. 4; and Fig. 6 a side view showing the cap lifted from the collar, which view when compared with the view in Fig. 1, showing the cap when closed, will explain my improvement plainly.

A indicates the cap covering the mouth of any vessel to which it might be attached.

B is the collar to which cap A is hinged.

C indicates the upper part of the hinge secured to the cap A in any suitable manner, preferably by the tongues D and E, as illustrated. F is the lower hinge part secured similarly to the collar B by the tongues G and H, the two said hinge parts being pivoted together by means of the pin K. On each of these hinge parts C and F, I have, by means of the dies referred to above, formed ribs, of which I¹ is on the lower hinge part F and I² and I³ on the upper hinge part C. The lower hinge part F will further be seen to have its side flanges M and N curved down on each side, as best seen in Figs. 4 and 5. The different parts now being secured together, as seen in Figs. 1 and 6, it will be observed that when the cap is lifted from the collar, as in Fig. 6, and pushed back as far as it will go the part of the rib I¹ on the lower hinge part F will be met by the edge L of the upper hinge part C, and similarly the parts of the rib I² and I³ will contact with the curved edges M and N of the lower hinge part F, respectively—M with I³ and N with I²—as seen in Fig. 6, which is the desired object of my invention. This affords a uniform firm support for the cap all through the hinge, it being of course understood that the rib can be used on either the upper or lower hinge part—that is to say, omitting the rib parts I² and I³ on the hinge part C part I¹ will coöperate with the edge L, and vice versa.

As before stated, by reason of this hinge being made by means of dies it has reduced the cost of the manufacture of such hinges considerably.

What I therefore claim, and desire to secure protection for by Letters Patent, is—

1. As a new article of manufacture, a hinge whose upper and lower parts are formed with stop-ribs forming integral parts of said hinge parts substantially as they are described and for the purposes specified.

2. The combination with a cover for ink-

stands comprising in its construction a cap
and collar, of a hinge comprising in its con-
struction two members pivotally united, the
upper or movable member being provided
5 with two horizontally-disposed integral stop-
ribs lying centrally of the hinge-axis, and the
lower or fixed member being provided with a
single similarly-disposed integral stop-rib,
and in a plane between the ribs of the mov-
10 able member, and having two curved side
flanges projecting into the path of the ribs of

said last-named member, and means for se-
curing the respective members of the hinge
to said cap and collar substantially as and
for the purpose shown and described. 15

In testimony that I claim the foregoing I
have hereunto set my hand this 21st day of
January, A. D. 1899.

BERNARD J. RILEY.

Witnesses:

W. M. CLARKE,

AUGUST M. TRESCHOW.