

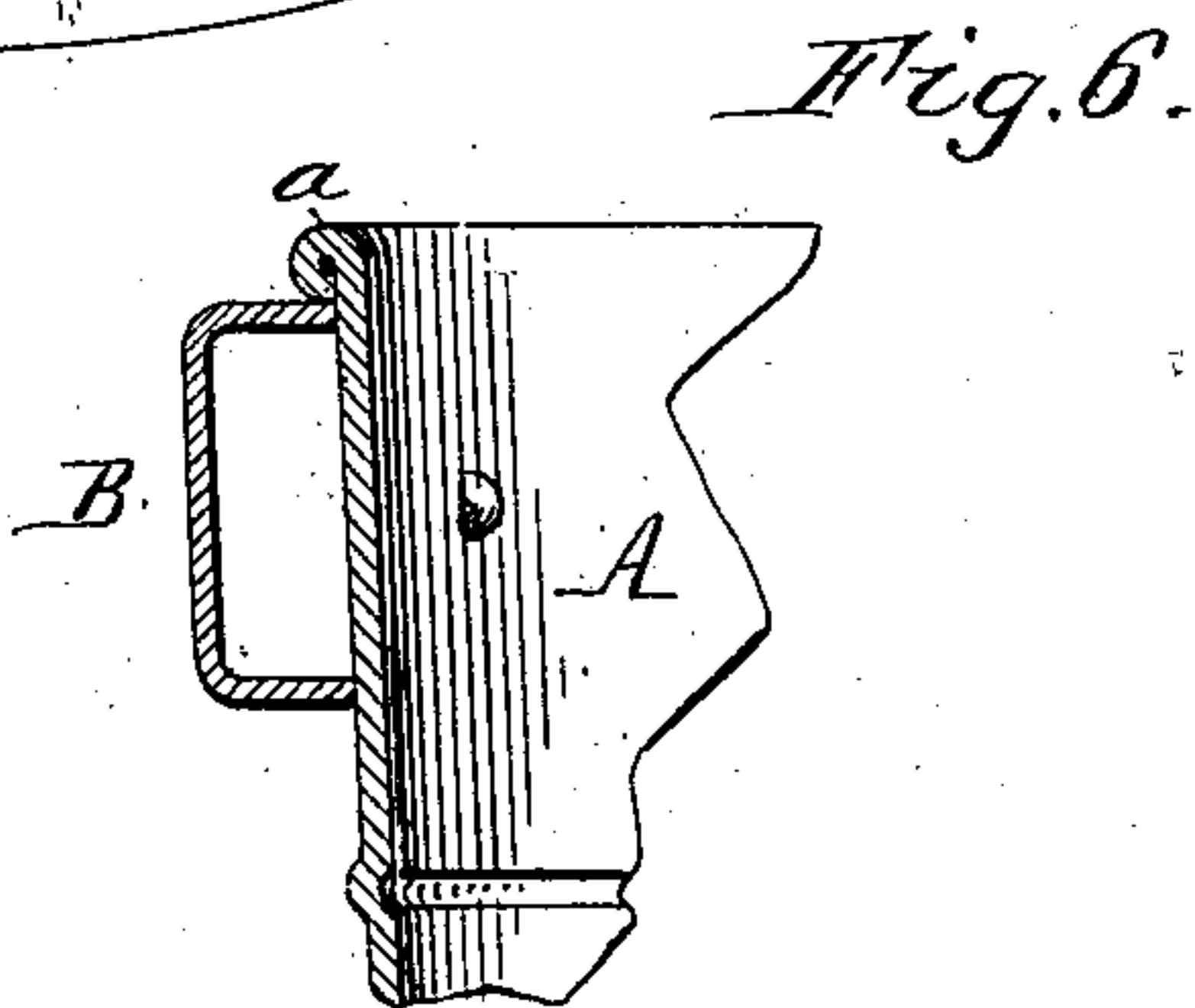
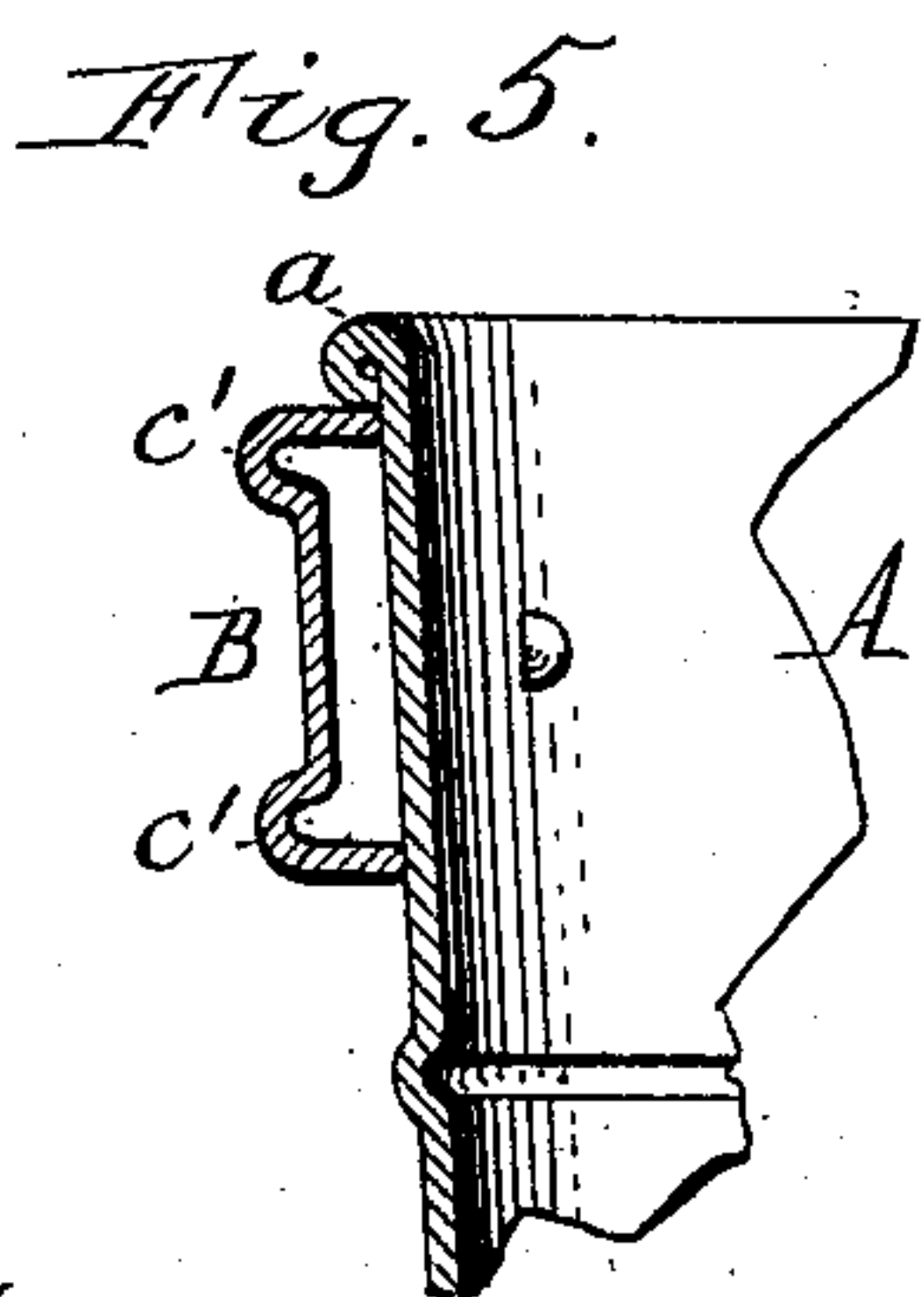
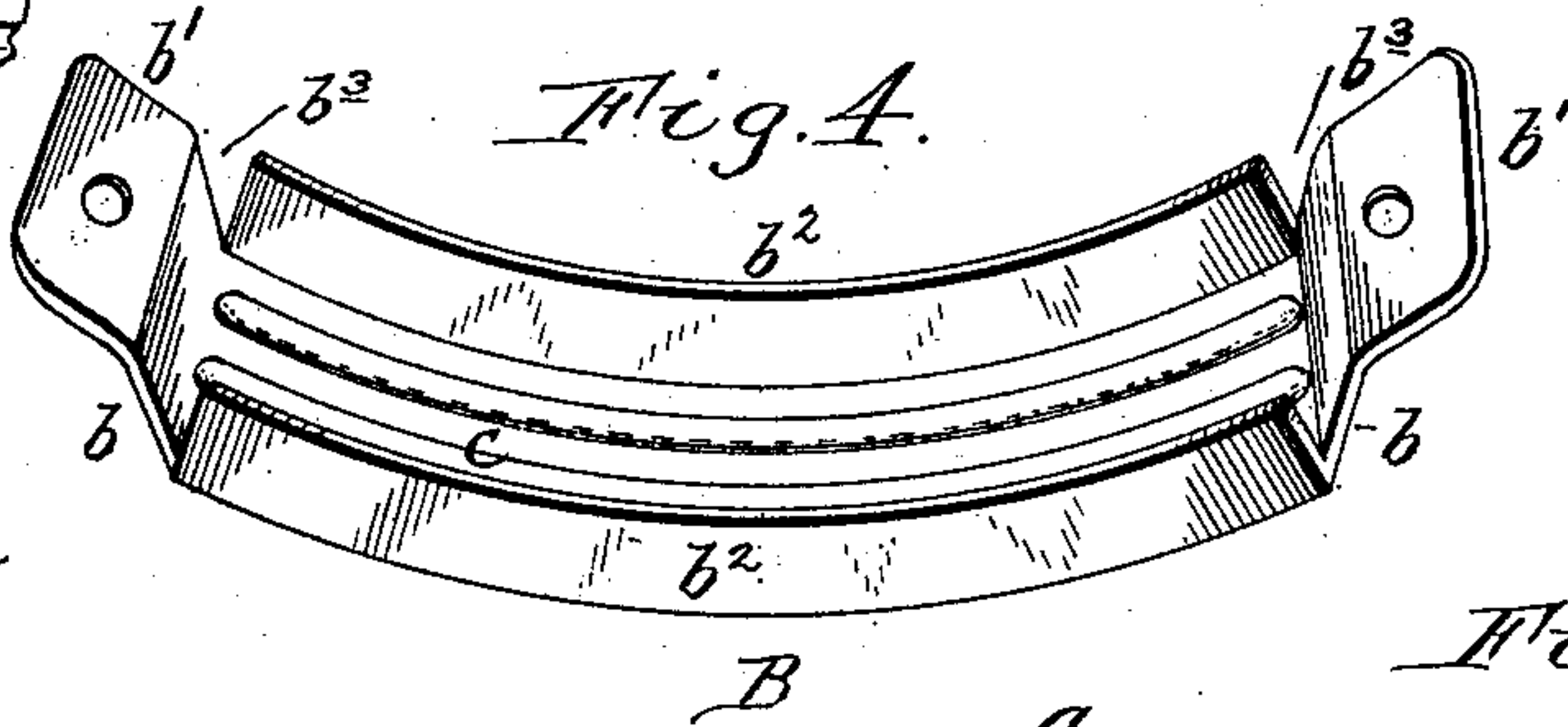
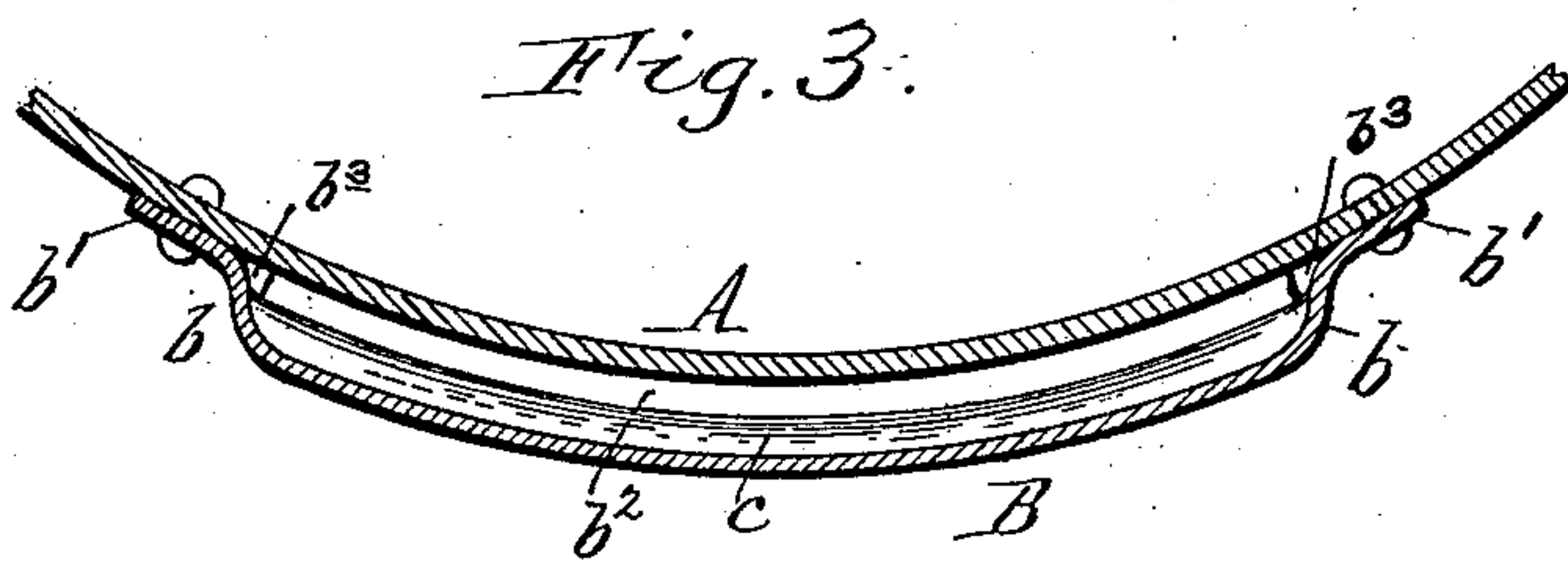
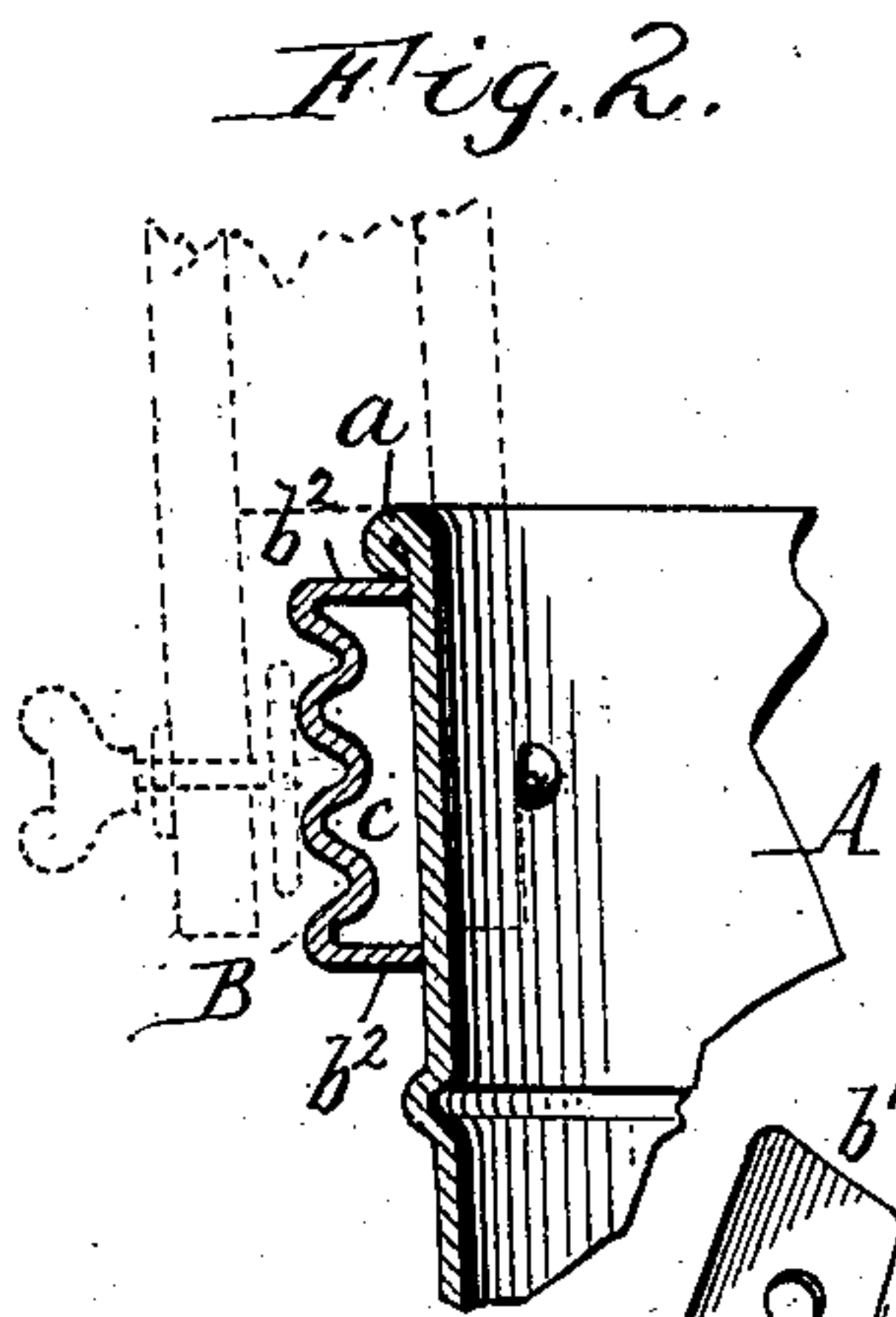
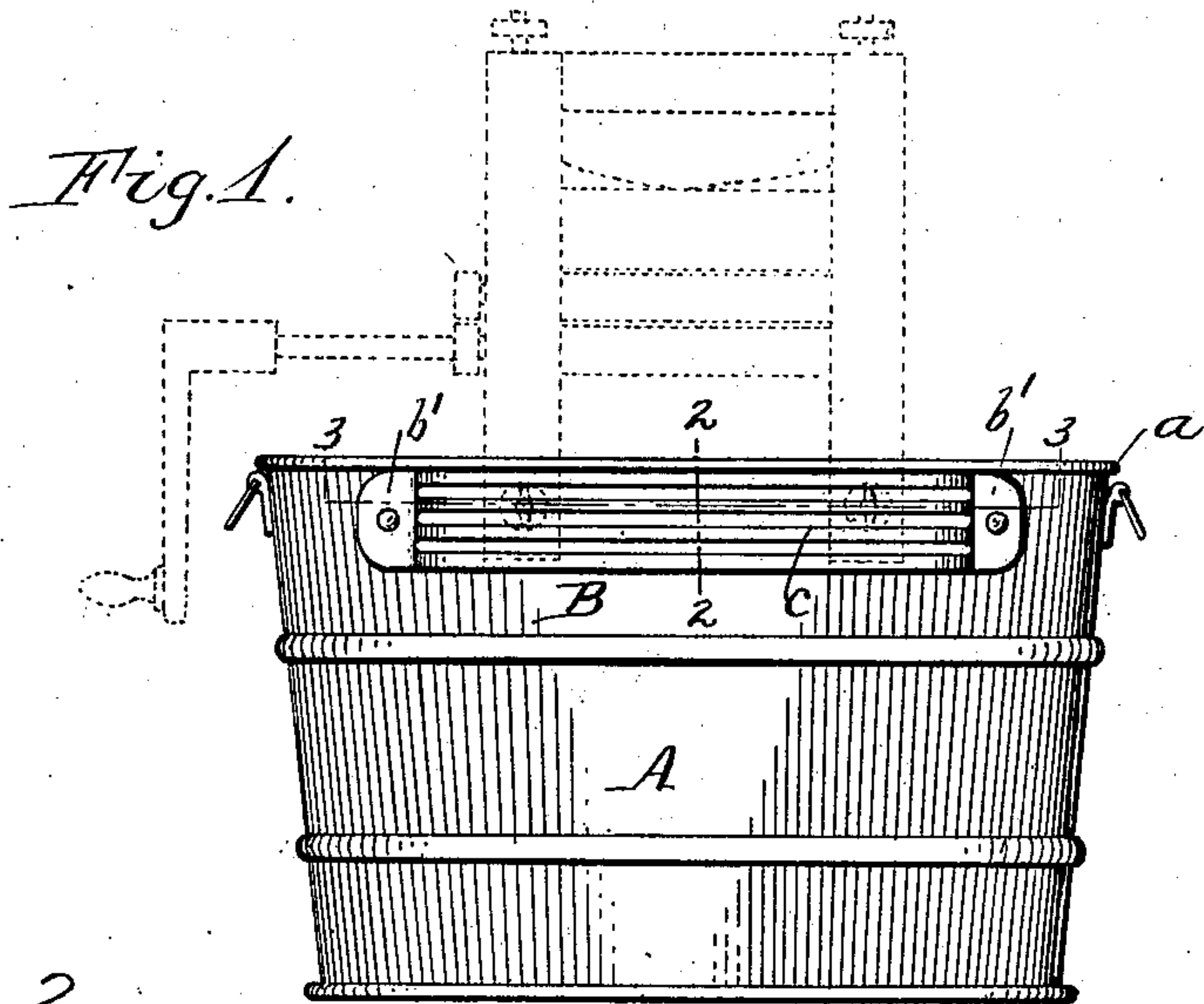
No. 688,461.

Patented Dec. 10, 1901.

A. FERBER.  
WASHTUB.

(Application filed Oct. 12, 1900.)

(No Model.)



Witnesses:  
F. F. Scherzinger.  
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Anthony Ferber. Inventor.  
By Wilhelm H. Bomer. Attorneys.



# UNITED STATES PATENT OFFICE.

ANTHONY FERBER, OF BUFFALO, NEW YORK, ASSIGNOR TO SIDNEY SHEPARD & COMPANY, OF BUFFALO, NEW YORK.

## WASHTUB.

SPECIFICATION forming part of Letters Patent No. 688,461, dated December 10, 1901.

Application filed October 12, 1900. Serial No. 32,843. (No model.)

*To all whom it may concern:*

Be it known that I, ANTHONY FERBER, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Washtubs, of which the following is a specification.

This invention relates more particularly to washtubs and similar laundry vessels which are constructed of sheet metal.

The object of my invention is to provide such a tub or vessel with a light and strong cleat or bearing-bar which affords a proper bearing for the clamps of a wash-wringer and which at the same time stiffens the adjacent portion of the vessel, so as to prevent buckling thereof.

In the accompanying drawings, Figure 1 is a side elevation of a washtub provided with my improved bearing-bar. Fig. 2 is an enlarged vertical section thereof in line 2 2, Fig. 1. Fig. 3 is an enlarged horizontal section in line 3 3, Fig. 1. Fig. 4 is a detached perspective view of the bearing-bar. Figs. 5 and 6 are fragmentary vertical sections of the tub, showing modified constructions of the bar.

Like letters of reference refer to like parts in the several figures.

A is the body of the washtub, which is preferably constructed of galvanized sheet-steel or other suitable sheet metal and provided at its upper edge with the usual bead *a*.

B is a horizontal metallic cleat or bearing-bar applied to the outer side of the tub, adjacent to its beaded upper edge, and extending continuously around the wall of the tub for a sufficient distance to form a bearing for the two clamps or clamping-jaws of a wash-wringer, the position of such jaws being indicated by dotted lines in Fig. 1. This cleat consists of a curved, hollow, or box-shaped strip of sheet metal having its end portions bent inwardly at an angle to the strip, as shown at *b*, and thence outwardly substantially parallel or concentric with the body of the strip to form attaching-ears *b'*. These ears rest against the tub and are secured thereto by rivets or other suitable fastenings. The strip B is provided at its longitudinal edges with inwardly-extending horizontal flanges *b<sup>2</sup>*, the inner edges of which are curved and bear against

the side of the tub. By this construction the main or body portion of the bearing-bar is arranged outwardly beyond the plane of its attaching-ears and held at a distance from the side of the tub by the longitudinal flanges *b<sup>2</sup>*, which latter resist collapsing or inward deflection of said projecting body portion when the clamps or jaws of a wash-wringer are tightened against the same. The ends of the longitudinal top and bottom flanges *b<sup>2</sup>* are separated or disconnected from the end portions *b* and ears *b'* of the cleats, as shown at *b<sup>3</sup>* in Figs. 3 and 4, so that when the sheet-metal blank has been formed the top and bottom flanges *b<sup>2</sup>* can be bent at right angles or thereabouts to the body or main portion of the cleat, and the end portions *b* can be bent inwardly or backwardly to bring the ears *b'* in line with the curved bearing edges of the longitudinal flanges. The body or main portion of the cleat is preferably formed with longitudinal stiffening ribs or corrugations *c*, which extend from end to end, or nearly so, of the body and which are of less depth than the longitudinal top and bottom flanges *b<sup>2</sup>*, so that the cleat does not bear on these ribs, but only on the top and bottom flanges. If desired, the cleat may be provided with stiffening corrugations or beads only at its upper and lower edges, as shown at *c'* in Fig. 5, or these beads may be omitted, as shown in Fig. 6. In each of these constructions the cleat is a hollow box-like bar of sheet metal closed at its front, top, bottom, and ends except at the points where the top and bottom flanges are separated or disconnected from the end portions and ears.

My improved cleat or bearing-bar can be cheaply rolled or stamped from a single blank of sheet metal, and as it is composed wholly of metal it does not change its form by warping or shrinking, which is liable to occur when such a bar is constructed partly or wholly of wood.

I claim as my invention—

1. A box-shaped, open-backed bearing-cleat of sheet metal for washtubs and similar vessels, consisting of a curved body or front portion having backwardly-extending longitudinal top and bottom flanges provided with curved rear edges adapted to bear against the

outersurface of the vessel, end portions which  
are disconnected from the ends of said top  
and bottom flanges and bent inwardly, and  
attaching-ears formed on said end portions  
5 in line with the curved bearing edges of said  
top and bottom flanges, substantially as set  
forth.

2. A box-shaped, open-backed bearing-cleat  
of sheet metal for washtubs and similar ves-  
sels, consisting of a curved body or front por-  
10 tion having backwardly-extending longitudi-  
nal top and bottom flanges provided with  
curved rear edges adapted to bear against  
the outer surface of the vessel and interme-

diate of said top and bottom flanges, longi- 15  
tudinal stiffening-corrugations of less depth  
than said flanges, end portions which extend  
from the ends of said body portion inwardly,  
and attaching-ears formed on said end por-  
tions in line with the curved bearing edges 20  
of said top and bottom flanges, substantially  
as set forth.

Witness my hand this 5th day of October,  
1900.

ANTHONY FERBER.

Witnesses:

CARL F. GEYER,

CLAUDIA M. BENTLEY.