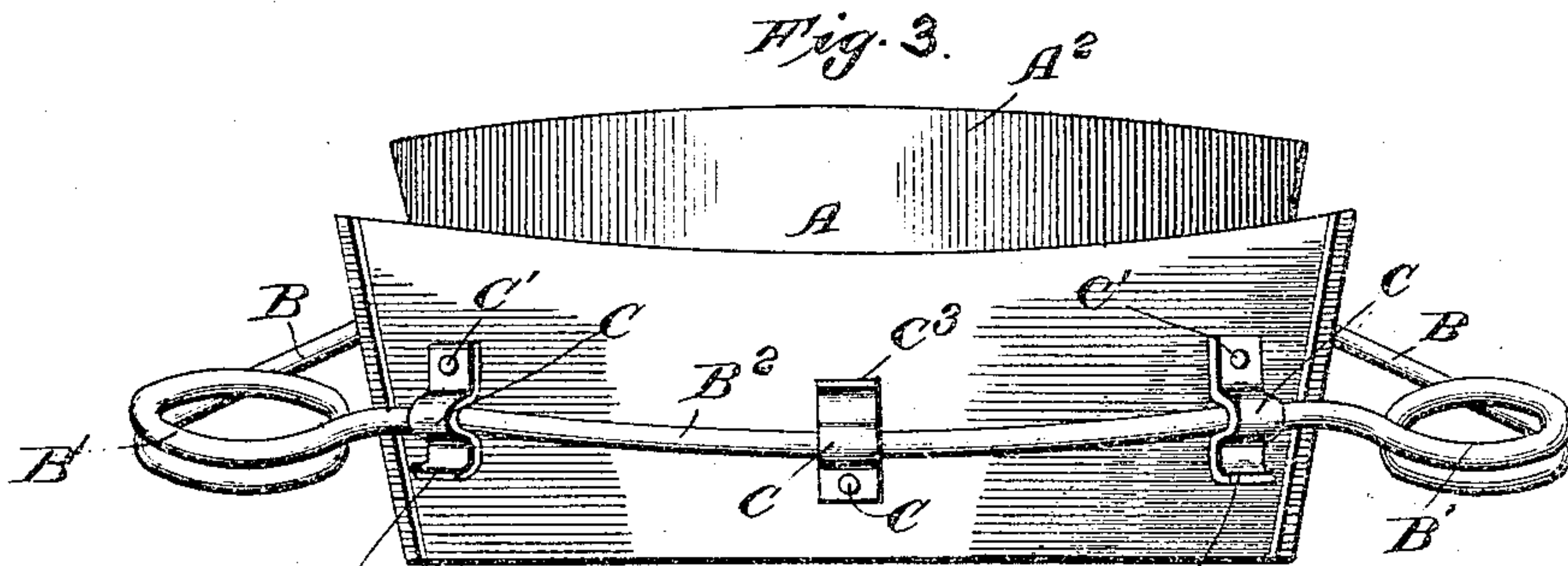
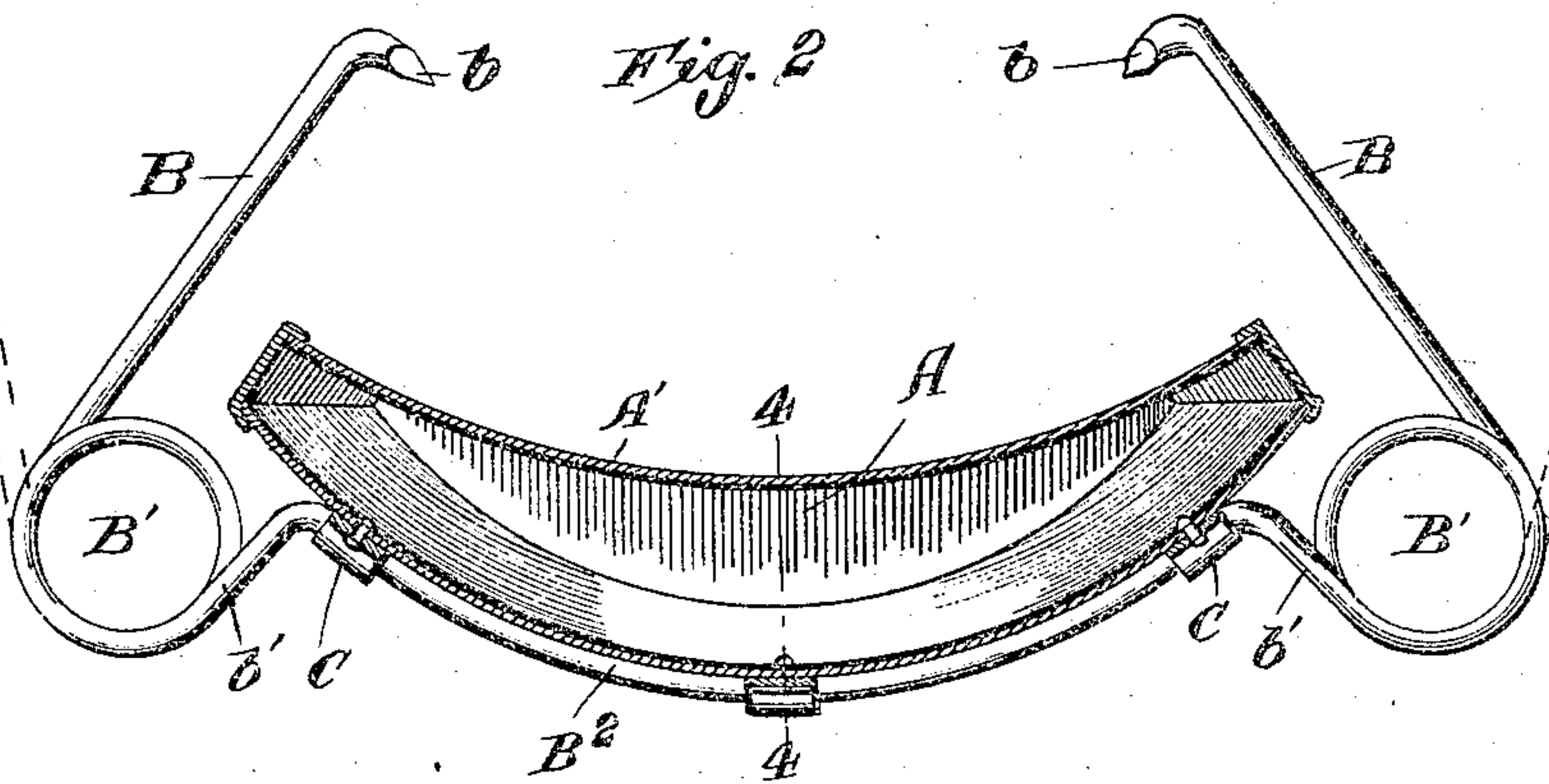
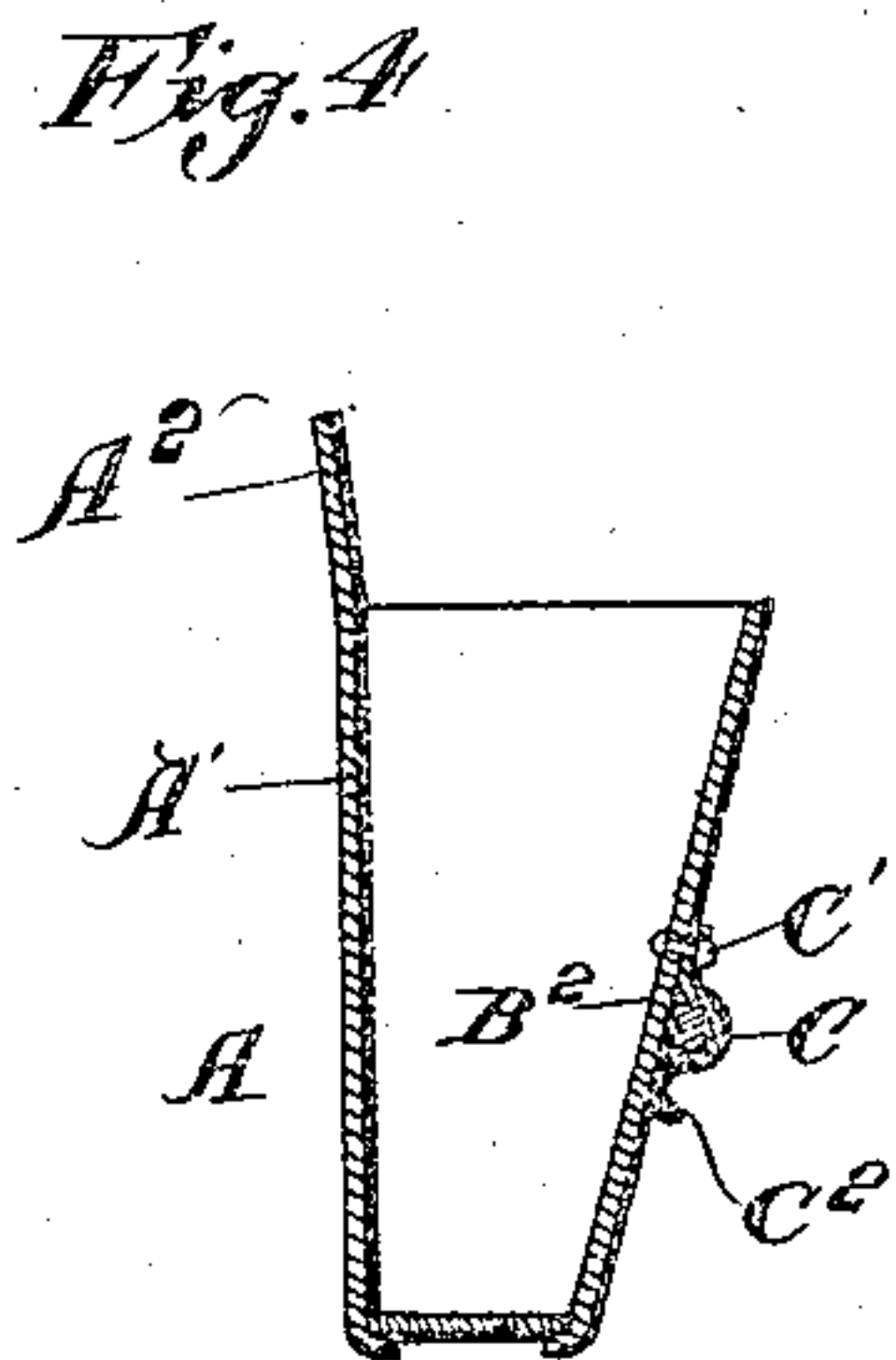
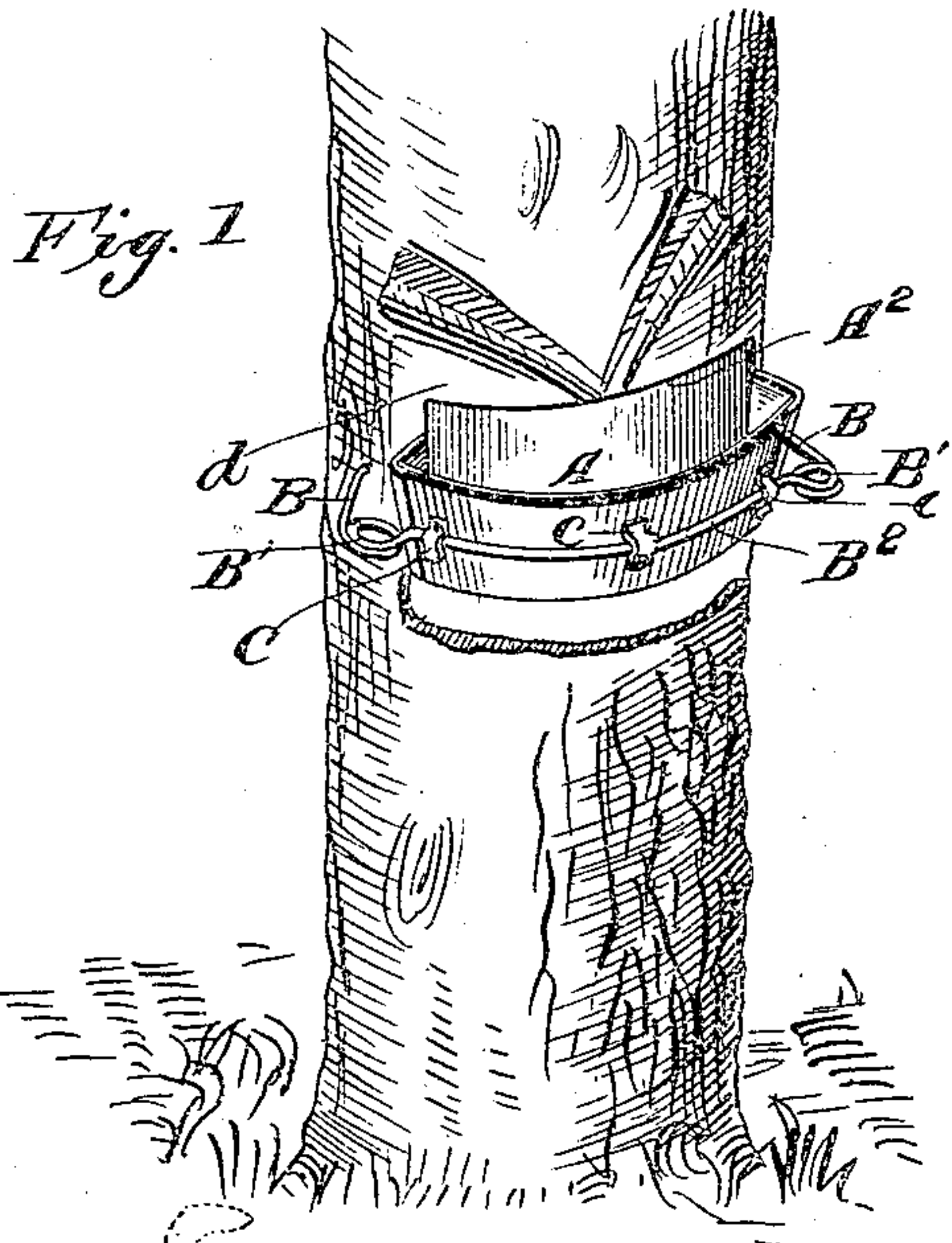


No. 792,542.

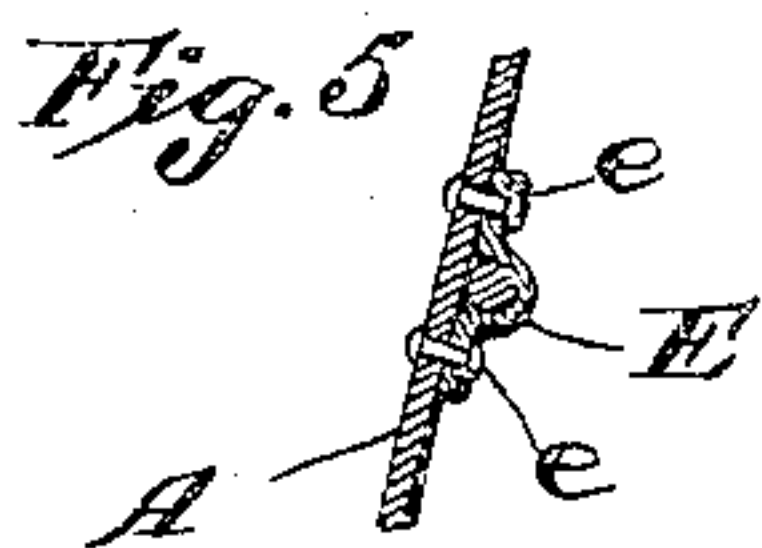
PATENTED JUNE 13, 1905.

A. C. McLEOD.
TURPENTINE BOX.

APPLICATION FILED FEB. 11, 1905.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ARCHIBALD C. McLEOD, OF QUITMAN, GEORGIA.

TURPENTINE-BOX.

SPECIFICATION forming part of Letters Patent No. 792,542, dated June 13, 1905.

Application filed February 11, 1905. Serial No. 245,219.

To all whom it may concern:

Be it known that I, ARCHIBALD C. McLEOD, a citizen of the United States, residing at Quitman, in the county of Brooks and State of Georgia, have made certain new and useful Improvements in Turpentine-Boxes, of which the following is a specification.

My invention is an improvement in turpentine-boxes; and it consists in certain novel constructions and combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of the invention as in use. Fig. 2 is a top plan view of the box. Fig. 3 is a front elevation of the box. Fig. 4 is a vertical cross-section on about line 4 4 of Fig. 2, and Fig. 5 is a sectional view showing a somewhat different form of clip from that shown in Figs. 1 to 4.

The box A may be of any suitable sheet metal and has its back plate A' extended at A² above the sides of the box, forming a lip or flange whose upper edge is free at its ends and which is flexible throughout and can be easily bent to conform to the curvature of the tree and can be readily pressed or indented at any point along its edge to fit in recesses, creases, or hollows in the tree, so as to avoid any wasting of the sap behind the lip or flange at the upper side of the back of the box. Any suitable form of paddle may be used for discharging the contents of the box, and such paddle or any other suitable form of tool may be employed in indenting or pressing the lip or flange A² at any point into any depression in the face of the tree. This result is facilitated by the pliability of the upwardly-projecting lip or flange and by making the latter free at its ends, as will be understood from Figs. 1, 3, and 4 of the drawings.

In securing the box to a tree I employ spring-dogs connected with the box and springing into engagement with the tree. As shown, the dogs B are pointed at their free ends b and are coiled at B' between said ends and their connection at C with the box. As shown and as preferred, the dogs incline in normal position inwardly toward each other at their free ends and extend past the opposite ends of the box, with the coils B' slightly beyond the outer

sides of the box at the ends thereof, and with returned portions b', which connect said coils with the intermediate portion B² of the holding device, such intermediate portion B² of the box-holding device being secured to the front of the box by means of clips, as shown in the drawings. I thus provide a box-holding device comprising an intermediate portion B², which is curved from end to end to conform to the curvature of the front side of the box A, the returned or connecting portions b' extending outwardly from the ends of the intermediate portion B², the coils B' and the dogs extending inwardly from the coils B' and inclining toward each other at their inner or pointed ends b, the holding device being bent from a single rod of metal, as will be understood from Figs. 2 and 3 of the drawings.

As shown in Figs. 1, 2, 3, and 4 and as preferred, the clips C for securing the holding device to the box A are in the form of spring-plates secured at C' at one end to the front of the box, curving thence over the intermediate portion B² of the holding device and having their free ends C² outturned to facilitate releasing the rod B² whenever desired and for inserting the said rod into engagement with the clips in applying the holding device to the box. As shown and as preferred, the end clips (see Figs. 1 and 3) are reversed relatively to the intermediate clip, the latter in the construction shown being secured at its lower end and free at its upper end, while the end clips are secured at their upper ends and free at their lower ends, this being preferred because it gives more security to the connection between the rod B² and the box, it being understood that the rod is sufficiently flexible to permit its insertion in its seat in the intermediate clip and then be bent downwardly at its ends to pass up from below into its seat in the end clips. (See Fig. 3 of the drawings.) The curvature of the front side of the box and the slight downward curvature at the middle of rod B² will prevent any rotary movement of the rod B² when applied to the box, as shown in Figs. 2 and 3.

In applying the box to the tree the operator, grasping the dogs B, may spread the

same to adjust its points *b* so they can be engaged with the tree at any desired point, a considerable range of adjustment being provided, so the box can be applied to trees of
 5 different diameters, and when the tree has been hacked and the box applied and all of the sap has been drawn from the particular hacks the box can be moved upwardly as the
 10 hacking of the tree proceeds, so as to secure practically the entire output from the tree. In applying the box it may be desirable to smooth off the surface of the tree at *d* to facilitate the fitting of the lip or flange *A*² there-
 15 to, as will be understood from Fig. 1 of the drawings.

The holding device is readily detachable from and easily applied to the box *A*, and in manufacturing the device it may be desirable in some instances to manufacture the holding
 20 device at one point and the boxes at another and assemble the parts wherever desired.

In Fig. 5 I show a somewhat different form of clip for securing the intermediate portion of the holding device to the box. In this
 25 construction the clip *E* fits over the rod and is riveted at *e* at both ends to the front of the box *A*. This construction may be employed when it is desired to fasten the holding de-
 30 vice permanently to the box.

While I have referred to my invention as a "turpentine-box," it is manifest it may be used for gathering the sap of maple-trees or for
 35 any other analogous use.

Having thus described my invention, what I claim as new, and desire to secure by Letters
 40 Patent, is—

1. The combination substantially as herein described of the box having an upwardly-projecting lip or flange at the upper side of its
 45 back, said lip or flange being free at its ends, end and intermediate spring-clips on the free side of the box, said clips being secured at one end and free at their other ends and the end clips being reversed relatively to the in-
 50 termediate clip, and the holding device comprising the dogs inclining inwardly toward each other past the ends of the box and pointed at their outer ends to engage with a tree, the

coils at the inner ends of the dogs, returned or connecting portions extending inwardly
 55 from said coils, and an intermediate portion or rod extending between the said connecting portions and conforming to the front of the box and engaging with and held by the clips, substantially as and for the purpose set forth. 55

2. A turpentine-box provided with a holding device comprising an intermediate portion extending along the front of and connected with the box, coils and connecting por-
 60 tions at the ends of said intermediate portion, and dogs projecting inwardly from said coils and adapted to spring into engagement with a tree, substantially as set forth.

3. A turpentine-box provided along its front side with spring-clips and with spring-
 65 dogs and with an intermediate portion connecting said spring-dogs and extending along the front side of the box engaged and held by said spring-clips, substantially as set forth.

4. The combination of the box, the holding
 70 device having an intermediate portion extending along the front side of the box, the spring-dogs at the ends thereof, and clips on the front side of the box securing the intermediate por-
 75 tion to the box, substantially as set forth.

5. The combination of the laterally-elongated box, the spring-dogs projecting in-
 80 wardly past the ends of the box, the coils at the outer ends of the said dogs and arranged outwardly beyond the front side of the box at the ends thereof, and connections between said coils and the box, substantially as set forth.

6. A turpentine-box provided on its front side with end and intermediate spring-clips, said clips being secured at one end and free at
 85 their other ends, and the end clips being reversed relatively to the intermediate clip, and a holding device comprising end dogs adapted to engage with a tree and an intermediate portion held by the clips of the box, substantially 90
 as set forth.

ARCHIE C. McLEOD.

Witnesses:

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