

No. 736,179.

PATENTED AUG. 11, 1903.

J. F. VOGT.
BAIL EAR FOR VESSELS.

APPLICATION FILED MAR. 21, 1903.

NO MODEL

Fig. 1.

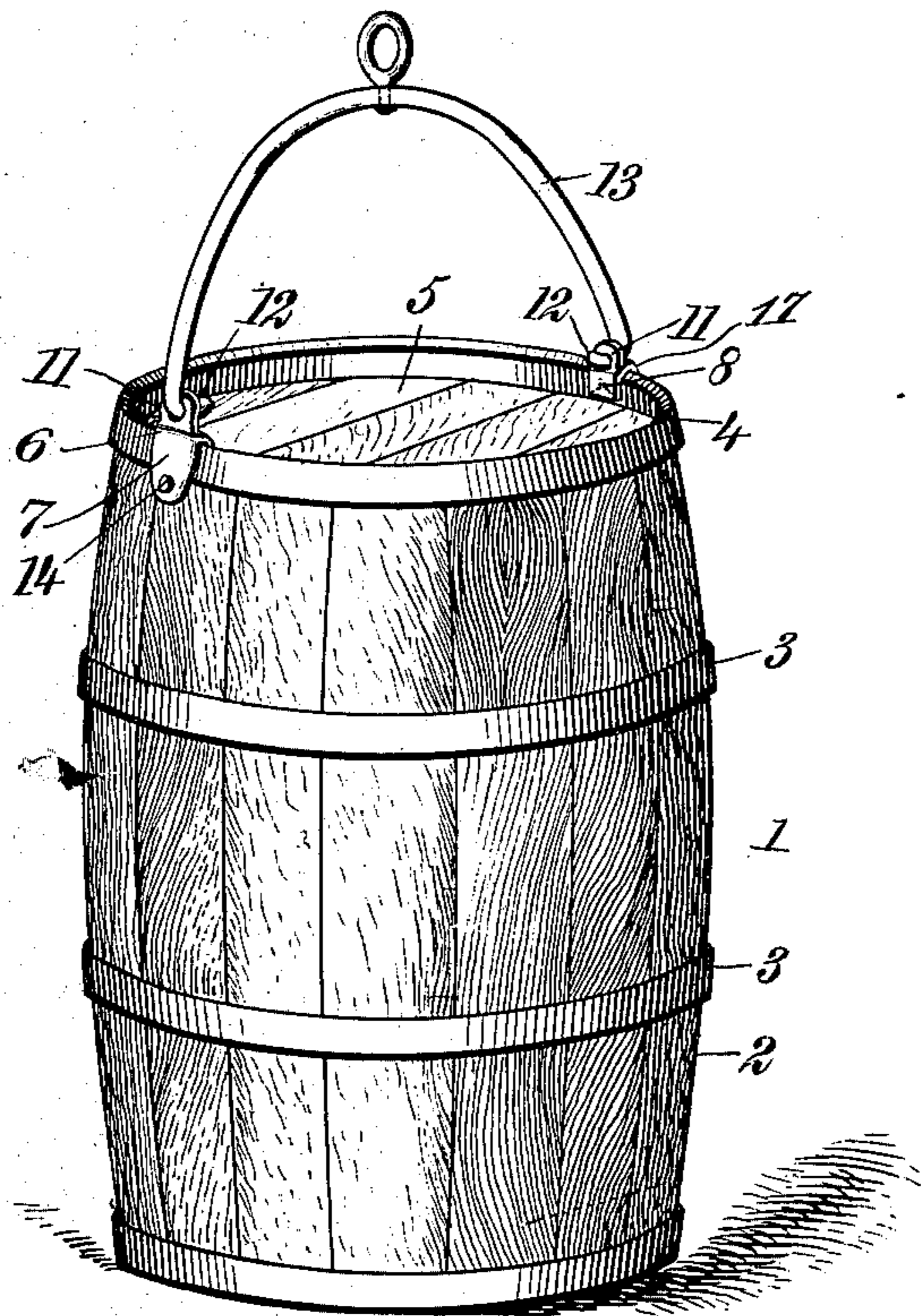


Fig. 2.

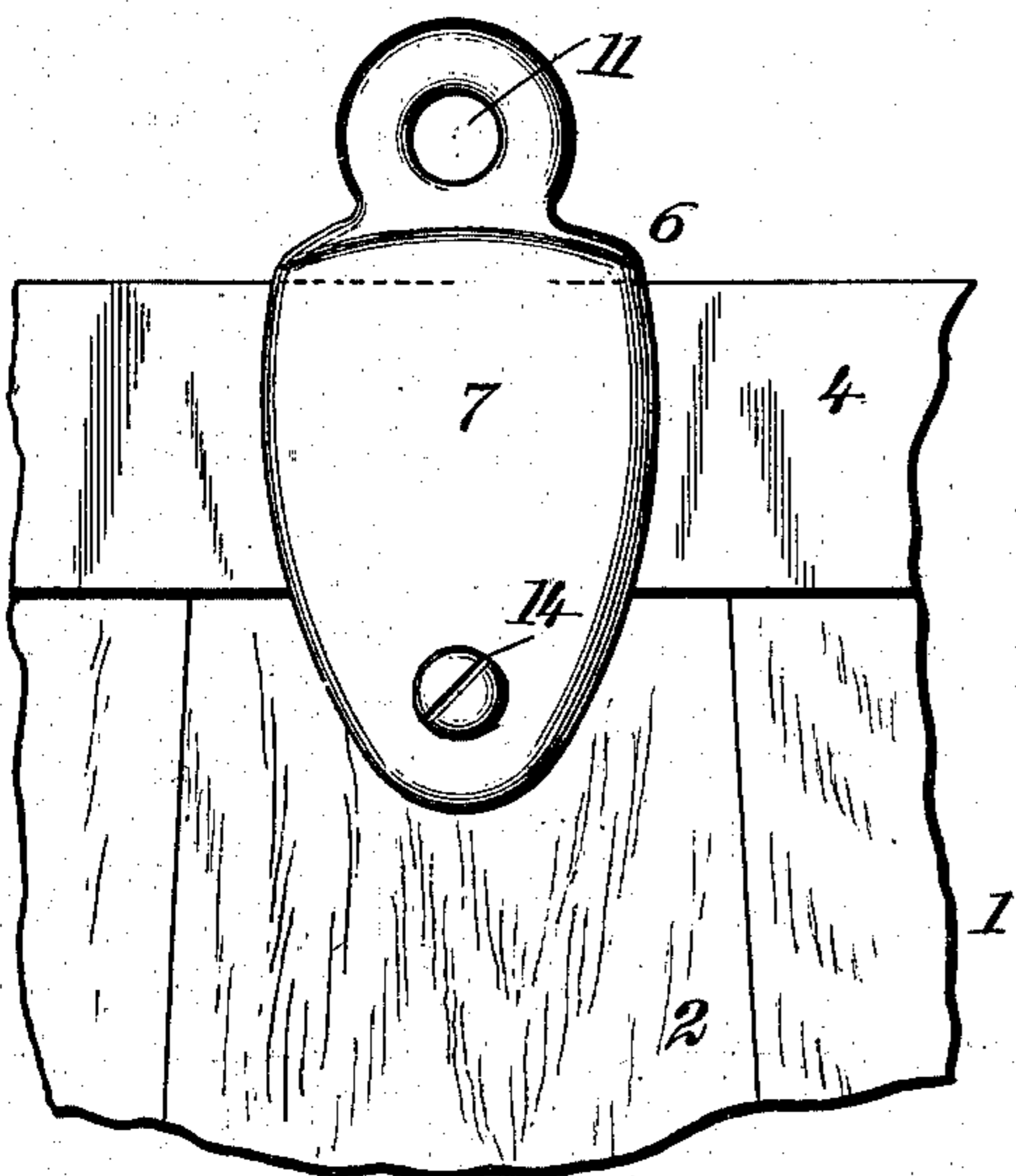
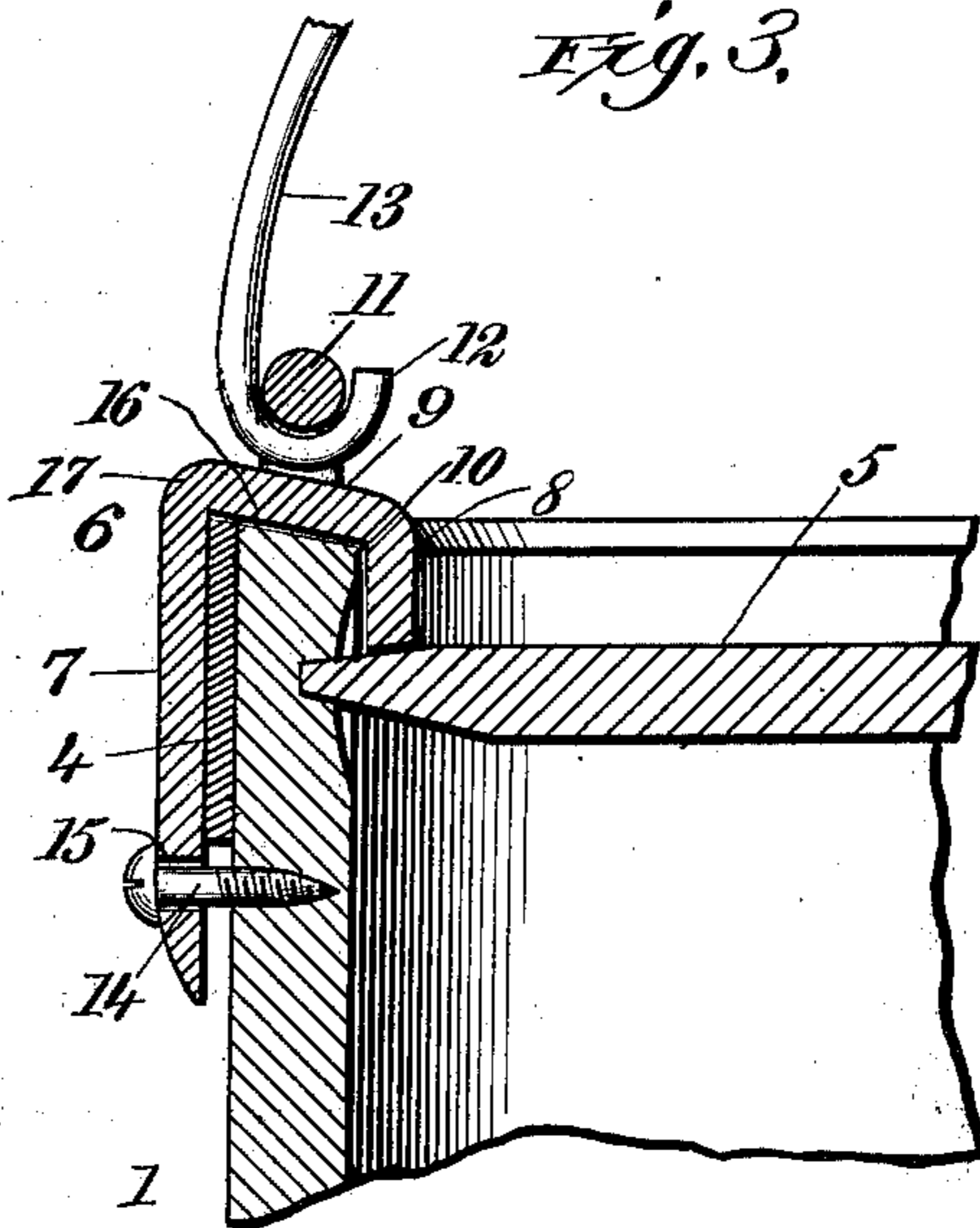


Fig. 3.



WITNESSES:

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JULIUS F. VOGT, OF ST. LOUIS, MISSOURI, ASSIGNOR TO UNION COOPERAGE COMPANY, OF ST. LOUIS, MISSOURI.

BAIL-EAR FOR VESSELS.

SPECIFICATION forming part of Letters Patent No. 736,179, dated August 11, 1903.

Application filed March 21, 1903. Serial No. 148,877. (No model.)

To all whom it may concern:

Be it known that I, JULIUS F. VOGT, a citizen of the United States, and a resident of St. Louis, in the State of Missouri, have invented
5 a new and useful Improvement in Bail-Ears for Vessels, of which the following is a full, clear, and exact description.

This invention relates to ears for the attachment of bails to vessels; and it consists,
10 substantially, in the features of improvement hereinafter particularly described and claimed.

As is well known, of course, commodities of various kinds are frequently put up and
15 sold to the trade in headed vessels or packages—such as kegs, for instance—and, as is equally well known, large shipments of this kind are constantly being made by various dealers and manufacturers to different parts
20 of the country, including the more remote or rural sections—as, for instance, the farming districts. After the contents of such packages have been emptied or used up the kegs or vessels are frequently made use of for different purposes, it being not an uncommon
25 practice among farmers to improvise some sort of handle or bail therefor whereby the keg or vessel may be utilized either as a hand-bucket or a well-bucket or the like; but in-
30 asmuch as the farmer is usually without the necessary appliances or tools for performing work of this kind the resultant structure may be said to be crude at the most and is very often inadequate to withstand the strain im-
35 posed thereon in the different uses to which the vessel may be put.

The principal object of the present invention is to provide a headed package, as a keg or similar vessel, with a bail and attaching-
40 ear therefor, whereby on removal of the head thereof the said keg or vessel may be converted into a bucket or similar structure, and also to provide an attaching-ear for the bails of vessels which is simple in construction and
45 cheap to manufacture, besides being strong and durable and possessing the capacity for long and continued service.

The above and additional objects are obtained by means substantially such as are
50 illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of a keg or similar vessel provided with my improved attaching device for the handle or bail of the vessel. Fig. 2 is an enlarged view in detail,
55 showing my improved bail-attaching device as it appears from the outer side thereof; and Fig. 3 is an enlarged vertical sectional view in detail, showing a portion of the keg or vessel having my improved bail-attaching de-
60 vice secured thereto.

Preliminarily to a more detailed description it may be stated that my device is of special construction, adapting the same to be fitted and secured to the upper chime of a
65 keg or similar vessel, and I also provide especial means for fastening the device to the side of a vessel also, as will hereinafter appear, the device being capable of being ap-
70 plied to or removed from its position on the vessel with ease and facility.

Specific reference being had to the accompanying drawings by the designating characters marked thereon, 1 represents an ordinary
75 keg or similar vessel, constructed of the usual vertical staves 2, which are maintained in proper relative position by means of the encircling bands or hoops 3, a similar hoop or band 4 also encircling the chime of the vessel,
80 it being noted at this point that while my improved device is applicable to open-ended vessels of various kinds the same is intended
more especially for vessels having closed heads therefor, as indicated at 5 in Fig. 1. Secured
85 to the upper edge of the chime of the vessel, at diametrically opposite points to each other, is my improved bail-attaching device 6, the same being formed of any suitable metal and
constructed with an outer wing 7 and an inner wing 8, respectively, the two said wings
90 being integrally united by means of a connecting portion 9, the distance between the adjacent surfaces of the said wings being substantially equal to the distance between the
95 inner surface 10 of the upper chime of the vessel and the outer surface of the hoop or band 4, encircling such chime, as shown and as already referred to. The connecting por-
tion 9 between the two said wings is formed or provided with an eye-loop 11, in which is
100 received the hooked end 12 of an ordinary bail 13, formed of wire or other suitable ma-

terial for the purpose, the said end of the
 bail being loosely held in the said eye-loop,
 whereby the bail may be folded to one side
 or the other to rest substantially in a hori-
 5 zontal position when the keg or vessel is not
 in use. As will be observed, the inner wing
 8 of the device is considerably less in height
 than the said outer wing 7 thereof, the lower
 edge of said inner wing 8 practically resting
 10 upon the adjacent surface portion of the head
 5 of the vessel, and incidentally this con-
 struction and organization assists in main-
 taining the head of the vessel in place, as is
 apparent. Kegs or vessels of this kind are
 15 frequently employed for the shipment of
 pickles, vinegar, syrups, and other articles
 or substances for use or consumption, and in
 order that such contents of the keg or vessel
 shall not be injured or contaminated by con-
 20 tact therewith of metallic portions I pur-
 posefully avoid securing my improved bail-ear
 to the vessel by rivets or other means which
 extend all the way through the sides of the
 vessel, which is a common construction in the
 25 use of similar bail-ears for metallic vessels.
 Instead of such form of fastening I employ
 a screw or similar device 14, passing through
 an opening 15 therefor at the lower part of
 the outermost wing 7 of the device, said screw
 30 entering the side of the vessel for a part only
 of the thickness thereof, and in this way the
 ear may be firmly held in position in a man-
 ner to withstand all strain which may be im-
 posed thereon in use. The connecting por-
 35 tion 9 between the two wings of the device
 may be straight across or horizontal, if de-
 sired; but I prefer to give to the same an in-
 clination, as shown, corresponding with the
 inward bevel 16, formed around the upper
 40 edge or chime of the vessel. (See Fig. 3.)
 It will be noted that the opening for the
 screw is so located as to bring the fastening
 for the ear to a point directly beneath the
 lower edge of the band 4, surrounding the
 45 chime of the keg, and in this way the secur-
 ity of the fastening is increased, since the
 portion of said band adjacent each opening
 15 tends to preserve the integrity of the edge
 of the opening, thereby preventing the screw
 50 from readily working loose. Moreover, the
 band assists, in a measure, to receive part of
 the lateral strains imposed upon the bail-ears
 in the handling or lifting of the keg, as is
 apparent.
 55 From the foregoing it will be seen that the
 vessel may be employed for all the ordinary
 requirements thereof in the shipment of dif-
 ferent commodities, and it will also be seen
 that by emptying the vessel of its contents af-
 60 ter removing the head 5 thereof the said ves-

sel is available for use as a bucket or the like,
 as already mentioned.

While I have herein illustrated a certain
 preferred embodiment of my invention, it
 will be understood that I am not limited to 65
 the precise details thereof in practice, since
 immaterial changes therein may be resorted
 to coming within the scope of my invention.

By forming the connecting portion 9 be-
 70 tween the two wings at an inward and down-
 ward inclination the integral connection of
 the eye-loop 11 with such portion is brought
 below the outer angular bend 17 of the ear,
 which thus gives to said bend practically the
 function of a guard for preventing breaking 75
 off or distortion of the eye-loop from contact
 with external objects from the outer side
 thereof. Moreover, the described construc-
 tion of the said connecting portion 9 also fa-
 cilitates the insertion within the eye-loop of 80
 the hooked end of the bail, and such end is
 prevented from accidentally slipping out of
 place due to the partial interposition there-
 against of that part of the upper surface of
 the said portion 9 lying between the outer 85
 side of the eye-loop and said angular bend 17.

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

A headed keg or similar vessel, having the 90
 edge of the chime thereof beveled inwardly
 and downwardly, and having a band sur-
 rounding said chime, said vessel being pro-
 vided with a bail, and formed at diametric-
 ally opposite sides thereof with openings, lo- 95
 cated directly beneath the lower edge of the
 band, and an attaching-ear for each end of
 the bail, comprising an outer wing, an inner
 shorter wing and an integral connecting por-
 100 tion between the two, said portion being in-
 clined in correspondence with the said bev-
 eled edge of the chime and having integral
 therewith an eye-loop, receiving a hook on
 the bail, the connection of said loop with the
 portion named being below the outer angle 105
 between the latter and the outer wing, said
 outer wing fitting against the band, and ex-
 tending below the latter, and being formed
 with an opening registering with one of the
 openings in the keg, and said inner wing hav- 110
 ing its end bearing on the head of the keg,
 and a fastening-screw passing through the
 one opening and entering the other.

In testimony whereof I have signed my
 name to this specification in the presence of 115
 two subscribing witnesses.

JULIUS F. VOGT.

Witnesses:

FRANCIS H. BRINKMANN,
 CHAS. O. WEBER.