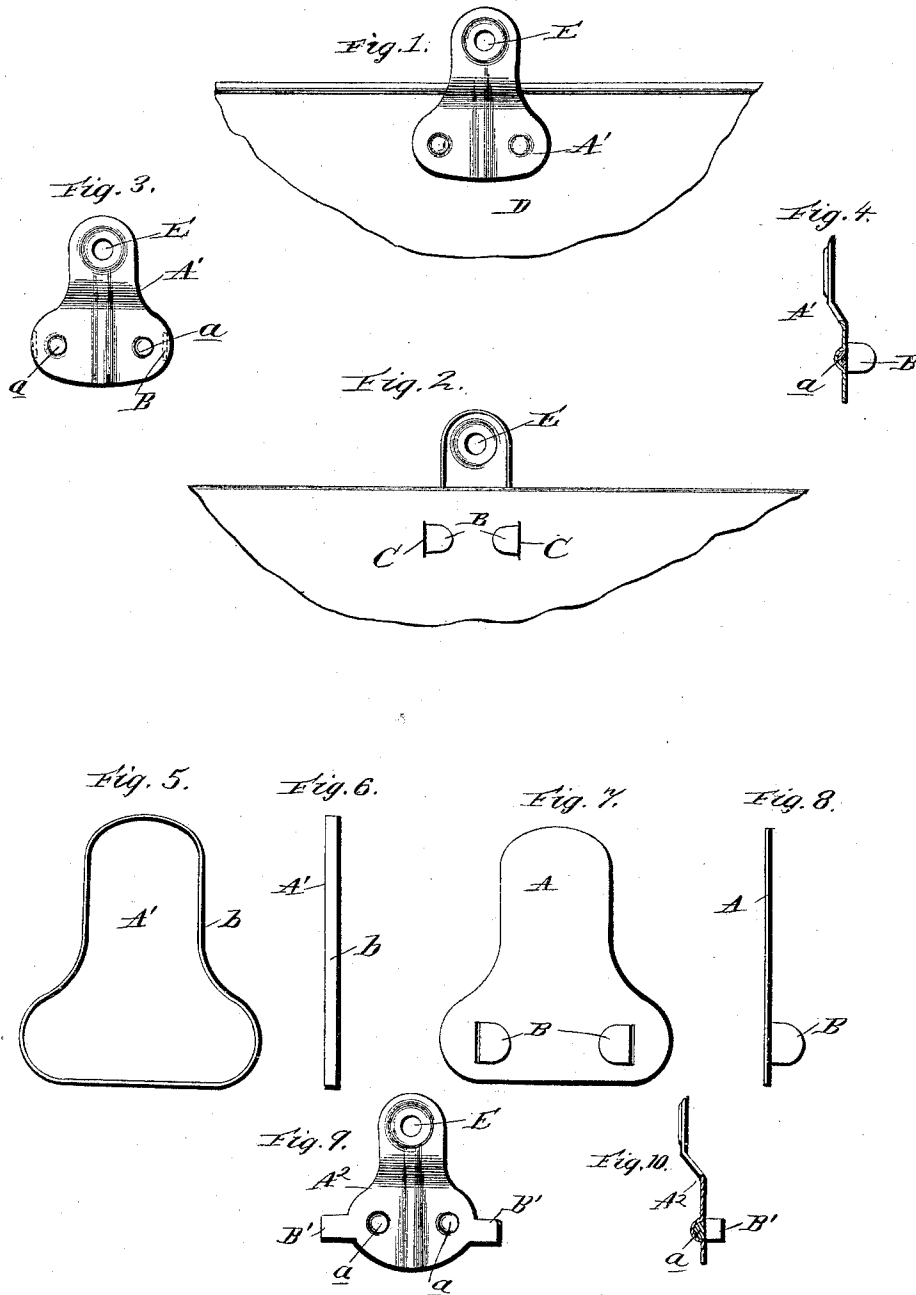


(No Model.)

J. B. SCHNEIDER.
EAR FOR VESSELS.

No. 465,804.

Patented Dec. 22, 1891.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN B. SCHNEIDER, OF NEW ORLEANS, LOUISIANA, ASSIGNOR TO HENRY HALLER, OF SAME PLACE.

EAR FOR VESSELS.

SPECIFICATION forming part of Letters Patent No. 465,804, dated December 22, 1891.

Application filed June 6, 1891. Serial No. 395,414. (No model.)

To all whom it may concern:

Be it known that I, JOHN BERNARD SCHNEIDER, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Ears for Vessels; and I do 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.

My invention has relation to improvements in bail-ears; and it consists in a cheap and durable construction of ear, embodying devices whereby it may be quickly and securely attached to a pail or the like.

The improvements will be fully understood from the following description and claims when taken in conjunction with the accompanying drawings, in which—

Figure 1 is a detail exterior elevation of a portion of a pail with my improved ear attached thereto. Fig. 2 is a detail interior elevation of the same. Fig. 3 is an elevation of the ear removed. Fig. 4 is an edge elevation of the same, partly in section. Fig. 5 is a plan view of the flanged blank. Fig. 6 is an edge elevation of the same. Fig. 7 is a plan view of the other blank. Fig. 8 is an edge elevation of the same. Fig. 9 is an elevation of a modified construction of ear comprising but one blank; and Fig. 10 is an edge elevation of the same, partly in section.

In carrying out my invention I take a flat blank A, of tin or the like, of the approximate form illustrated and strike up two semicircular ears B therefrom adjacent the ends of the wide portion thereof, which ears B rest at right angles to the plane of the blank and are adapted to be inserted through punctures C in the pail and bent over upon the inner wall thereof. I then take a blank A' of a form similar to the blank A, but of a slightly larger size, and nub the same at two points, (indicated by *a*), so that when the sections are connected together said nubs will be in alignment with the openings formed by striking up the ears B for a purpose presently disclosed. The edge of the blank A' is then bent up, as indicated by *b*, after which the blank A is placed within said bent edge, and the same is bent down upon the blank, whereby the two blanks or sections are connected.

The apertures in the blank A, caused by striking up the ears B, are filled with solder, which takes into the nubs in alignment with said apertures, whereby the strength and rigidity of the ears are increased. I then stamp or cut a circular opening E through the connected blanks to receive the ends of the bail, after which I bend the ear and rib the same, substantially as illustrated, whereby its strength and rigidity are increased.

In Figs. 9 and 10 of the drawings I have illustrated a modified construction of ear, especially applicable to small pails in which but little weight is brought to bear upon the ears. This modified construction of ear comprises but a single plate A², which is preferably provided with strengthening-ribs and has the attaching-ears B', extending laterally from its wide portion instead of being struck up therefrom. The plate A² is provided at a suitable point with respect to the attaching-ears B' with nubs *a'* to receive a solder filling, which serves to increase the strength and rigidity of the ear.

In attaching my improved ears to a pail, as D, I simply puncture the same, as indicated by C, and insert the attaching-ears through said punctures, after which I bend the ears against the wall of the pail, when the attachment is complete, as illustrated in Fig. 2 of the drawings.

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

In a bail-ear, the combination, with a plate provided with an aperture and having an ear struck up therefrom, of a blank provided with an aperture in alignment with the aperture in the plate and having a nub in alignment with the opening in the plate caused by striking up the ear therefrom and also having an edge flange bent upon the plate to effect a connection of said plate and blank, and a filling of solder or the like placed in the opening of the plate and keyed in the nub of the blank, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN B. SCHNEIDER.

Witnesses:

WILLIAM WILSON,
PERCY D. PARKS.