

(No Model.)

E. MOHR.
BEARING FOR PAIL HANDLES.

No. 565,292.

Patented Aug. 4, 1896.

Fig. 1.

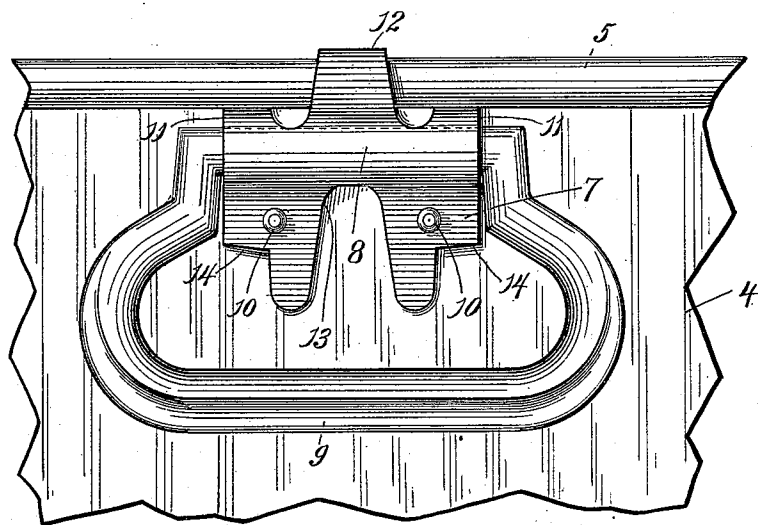


Fig. 3.

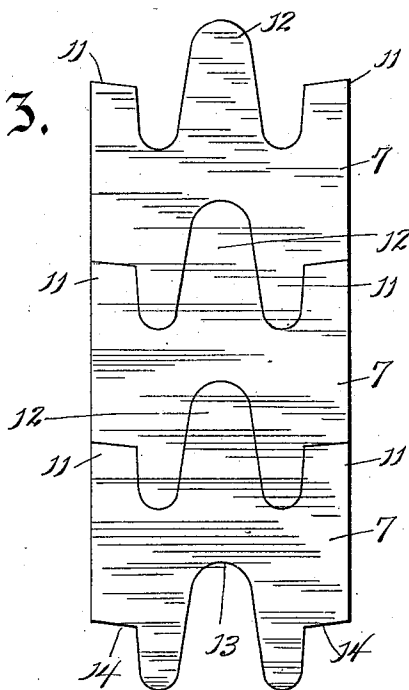
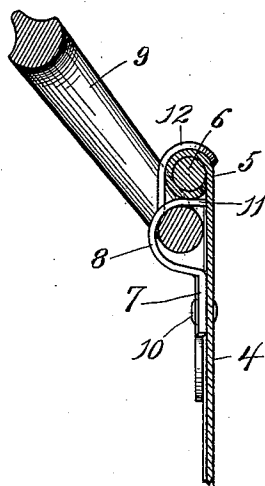


Fig. 2.



Witnesses.
A. H. Kelsey.
Anna V. Faust.

Inventor.
Ernst Mohr.
By Benedict & Morsell.
Attorneys.

UNITED STATES PATENT OFFICE.

ERNST MOHR, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO THE KIECKHEFER BROTHERS COMPANY, OF SAME PLACE.

BEARING FOR PAIL-HANDLES.

SPECIFICATION forming part of Letters Patent No. 565,292, dated August 4, 1896.

Application filed October 5, 1895. Serial No. 564,761. (No model.)

To all whom it may concern:

Be it known that I, ERNST MOHR, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Improvement in Bearings for Pail-Handles, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention has relation to improvements in bearings for pail-handles.

The object is to provide an improved construction for counteracting the lateral strain to which bearings of this character are necessarily subjected.

With the above primary object in view the invention consists of the devices and parts, or their equivalents, as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is an elevation of a fragment of a pail with my improvement applied thereto. Fig. 2 is a transverse section of Fig. 1; and Fig. 3 is a view of a metallic sheet, showing the manner of forming the bearings.

Referring to the drawings, the numeral 4 indicates a pail having its upper edge curved around into the usual tubular form, as indicated at 5, for the accommodation of the strengthening wire or rod 6.

The numeral 7 indicates the bearing, which is bent medially and transversely to form a bearing-eye 8, in which a handle 9 turns. This bearing is secured to the body of the pail by means of rivets 10 10. From the upper edge of this eye project end fingers or tongues 11 11 and intermediate said tongues a longer central tongue 12, which at its upper end is bent into hook form to firmly engage over the rounded tubular edge 5 of the pail. The end lugs or fingers 11 are bent at right angles beneath the rounded edge 5, the ends of said fingers bearing against the body the pail.

In pails having pivoted handles, which handles are thrown up when it is desired to lift the pail and its contents, it is a well-known fact that there is, under such circumstances, a severe lateral pull or strain on the handles, which, unless the bearing be very

securely attached, said bearings will soon become loose and ultimately require to be re-fastened or else rendered useless. There is a form of handle-bearing now in use in which only the end fingers 11 11 are employed, and these end fingers are bent in toward the pail and their extremities then bent up so as to pass between the edge of the tube 5 and the body of the pail. This device is found objectionable owing to the inability of the fingers 11, arranged as described, to withstand the severe lateral strain, and also owing to the difficulty experienced in passing the extremities of said fingers between the tube 5 and the body of the pail.

My invention overcomes the difficulties existing in the device just referred to, inasmuch as the central tongue 12, hooking over the turned-over edge 5 of the pail, furnishes a secure means for counteracting the lateral strain, so that there is no necessity whatever for bending the extremities of the end fingers or tongues 11 up between the turned-over edge of the pail and the body of said pail.

Fig. 3 of the drawings illustrates the manner of stamping out the bearings. A stamp or die is employed of such a character that at the upper edge of each bearing as completed the end fingers or tongues 11 11 and the central tongue 12 are left, while at the lower edge a central recess 13 and the side angular recesses 14 14 are left, the metal taken from said respective recesses forming the central and end tongues, respectively, of the succeeding bearing. From this particular structural formation it will be seen that from a sheet-metal blank a series of the bearings may be struck without the least waste of material.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, of a pail, a bearing secured to the side thereof, said bearing provided below the upper edge of the pail with a transverse bearing-eye, and also provided with an upwardly-extending tongue adapted to hook over the edge of the pail, and a side handle having a transverse portion adapted to fit and turn in the transverse eye of the bearing, said handle adapted to be thrown

upwardly and outwardly laterally from the pail, when said pail is to be lifted by the handle, substantially as described.

2. The combination, of a pail having a
5 rounded upper edge, a bearing secured to the pail and provided with a bearing-eye, with end tongues or fingers passing beneath the rounded edge of the pail, and with an intermediate tongue having a hooked upper

end adapted to engage over the rounded edge 10 of the pail, and a handle turning in the bearing-eye, substantially as described.

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

ERNST MOHR.

Witnesses:

ARTHUR ARNDT,
EMIL WINTER.