

(No Model.)

J. A. SEAMAN.

FIXED STOPPLE FOR PAINT KEGS.

No. 389,253.

Patented Sept. 11, 1888.

Fig. 1.

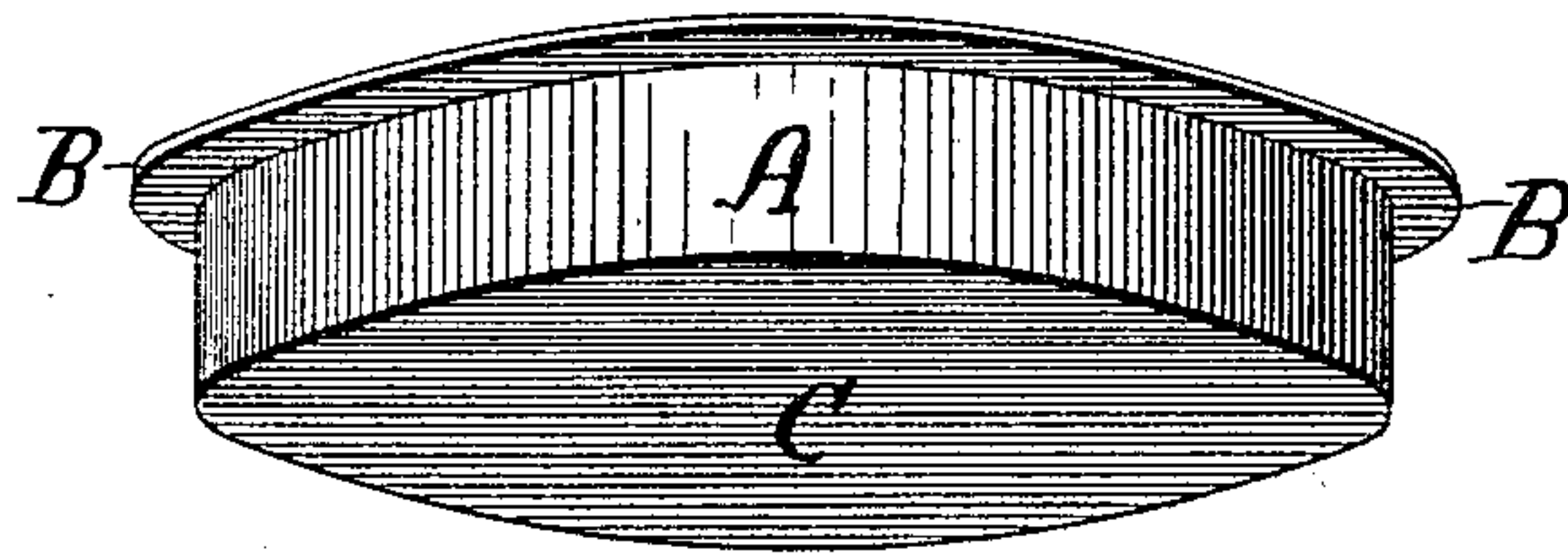


Fig. 2.

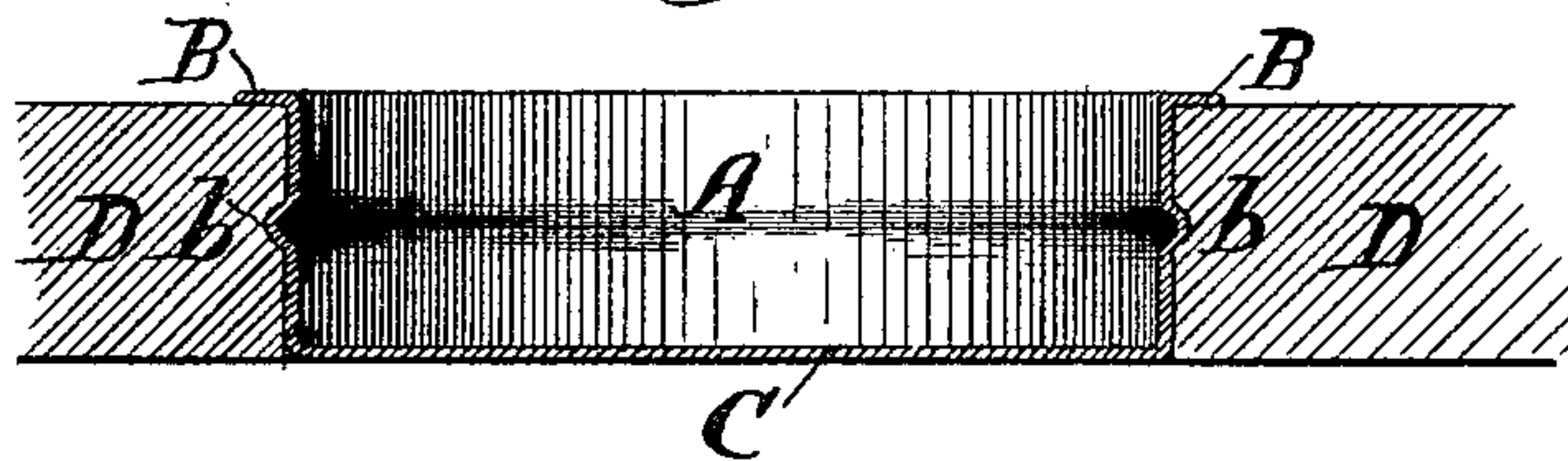
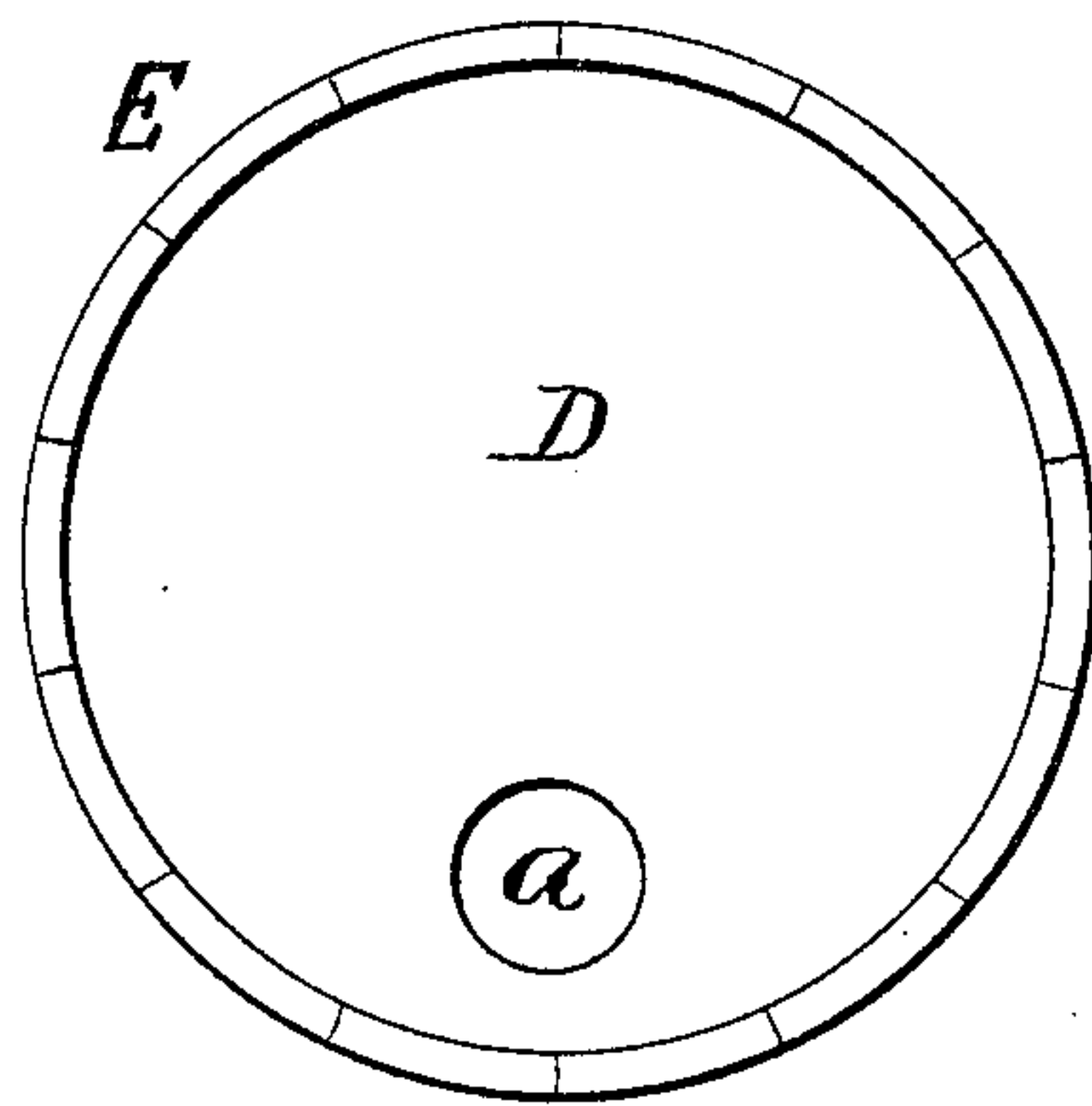


Fig. 3.



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FIXED STOPPLE FOR PAINT-KEGS.

SPECIFICATION forming part of Letters Patent No. 389,253, dated September 11, 1888.

Application filed December 27, 1887. Serial No. 259,008. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. SEAMAN, of Chicago, county of Cook, and State of Illinois, have invented certain new and useful
5 Improvements in a Fixed Stopple for Paint-Kegs, of which the following is a full, clear, and exact description, that will enable others to make and use the same, reference being had to the accompanying drawings, forming
10 a part of this specification.

The object of this invention is to provide an improved means for permanently closing the filling-aperture in the ends or heads of white lead or paint kegs.

15 This invention consists in a fixed stopple in the form of a cup shaped circular body having perpendicular sides and a closed bottom, and provided with a flanged rim, a portion of said body being embedded in the in-
20 closing wood when the stopple is permanently inserted in the package.

Figure 1 is a view in perspective of a device embodying my improved features. Fig. 2 is a vertical section showing the stopple
25 permanently inserted; and Fig. 3, an end view of a paint-keg, showing the filling-aperture.

In the drawings, A represents the inclosing circular body, the sides being perpendicular.

30 B is an annular flanged rim extending at right angles to the body, and C a permanent flat bottom, these different parts occupying the relative positions shown in Figs. 1 and 2.

The depth of the stopple will equal the
35 thickness of the wood forming the head or end of the package, so that when the fixed stopple is inserted and the flange B brought to a close annular bearing on the exterior surface the bottom will be flush with the under
40 side of the head, as shown in Fig. 2, whereby the stopple is less liable to work loose and the small amount of the contents adhering to the same may be more easily removed when the keg is opened for the removal
45 of the paint.

The circular sides of the aperture *a* in the head or end D of the paint-keg E are perfectly smooth, so that when the stopple is first inserted the contacting surfaces of the
50 metal and wood have a close-fitting and a perfectly smooth bearing. After the stopple has been inserted a portion of the metal

forming the perpendicular sides is forced or set into the wood, as shown in Fig. 2, thereby securing the stopple in a permanent, rigid, and
55 fixed position. The metal of which the stopple is composed is sufficiently ductile to readily yield to this change of form in securing the same in a permanent fixed position. The part pressed into the wood takes the
60 form of an annular bead, *b*, which, together with the elasticity of the wood surrounding the same, requires but a slight depression or indentation to firmly fix the stopple in place.

Paint-kegs are ordinarily made with solid
65 heads, which, before being filled, necessitates the loosening of a hoop in order to remove the head, then tightening again before filling, and loosening again for the insertion of the head afterward. In loosening a hoop for
70 the replacing of the head after the keg is filled the paint or lead will ooze out more or less between the joints of the staves and leave the package in a smeared and sticky condition, unpleasant to handle and liable to dam-
75 age other merchandise. These objections are obviated by having a filling-aperture in the head or end of the keg, and suitable and convenient means for permanently closing said aperture. In addition to this, the set that the
80 staves receive in the machine in the process of manufacturing the keg is not changed, and the joints formed are permanent, thus insuring tightness and maintaining the finished
85 symmetry. When the contents are required for use, the head is usually broken in or otherwise removed, without any reference to the filling-aperture.

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

The combination, with the head or end of a paint-keg provided with a filling-aperture, of a fixed stopple for said aperture, consisting of the perpendicular body or sides A, the
95 flanged rim B, and the flat closed bottom C, said stopple having a portion of its body embedded in the inclosing wood, whereby the stopple is permanently secured in place, substantially as and for the purpose set forth.

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