

(No Model.)

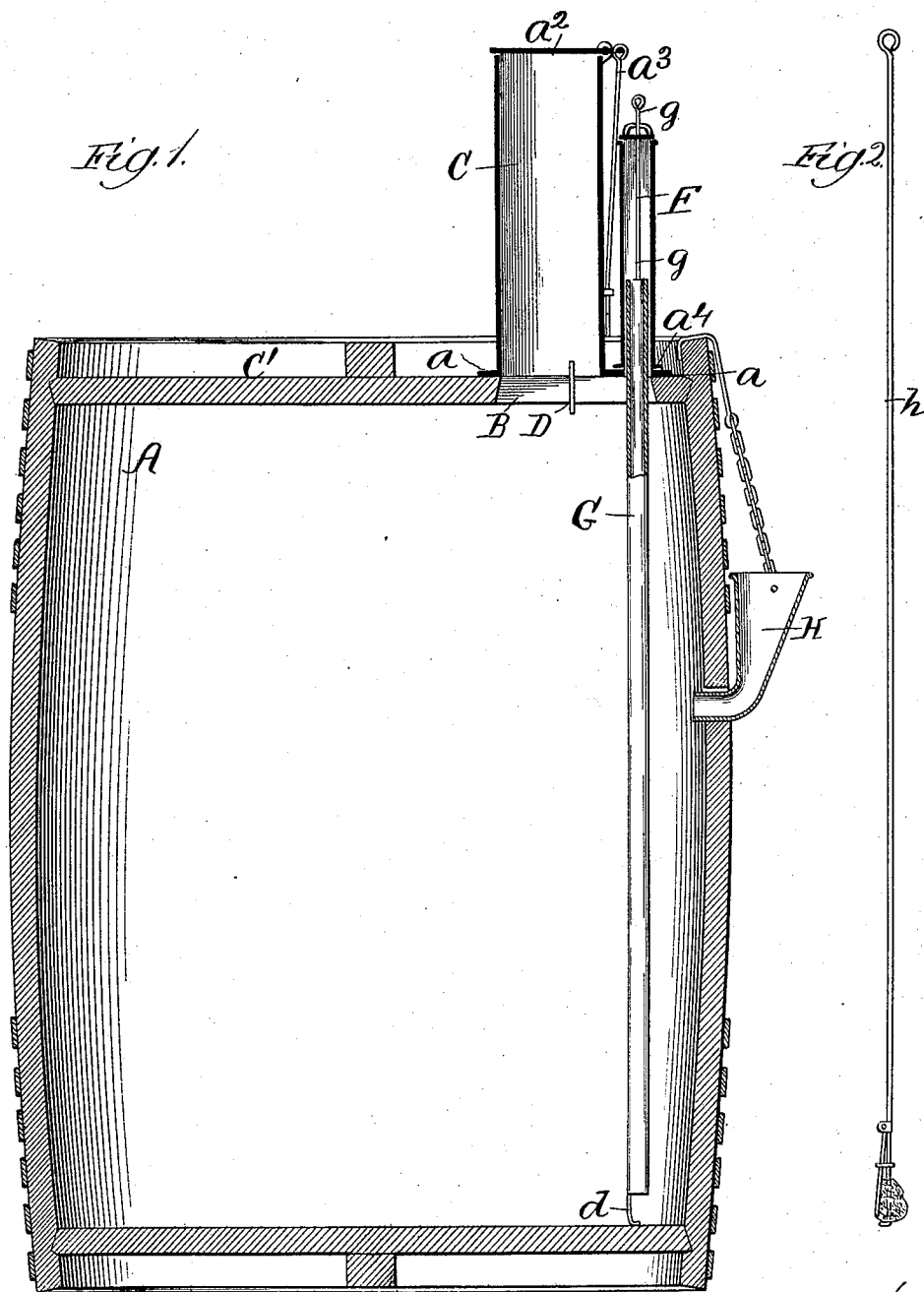
2 Sheets—Sheet 1.

J. KLEIN.

APPLIANCE FOR HEATING AND PITCHING CASKS.

No. 566,192.

Patented Aug. 18, 1896.



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Litho & Print

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Joseph Klein.
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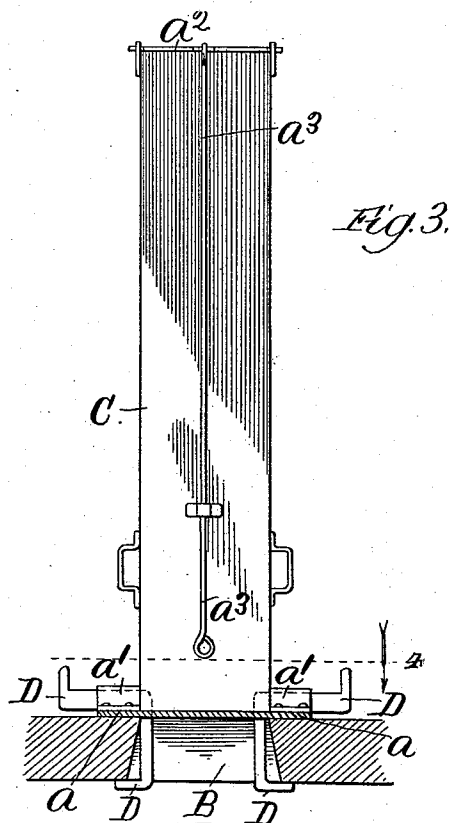


Fig. 3.

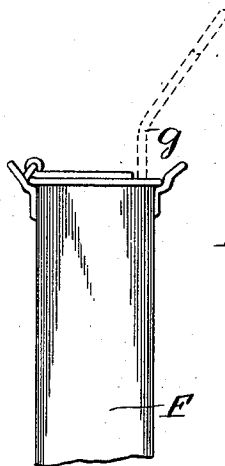


Fig. 5.

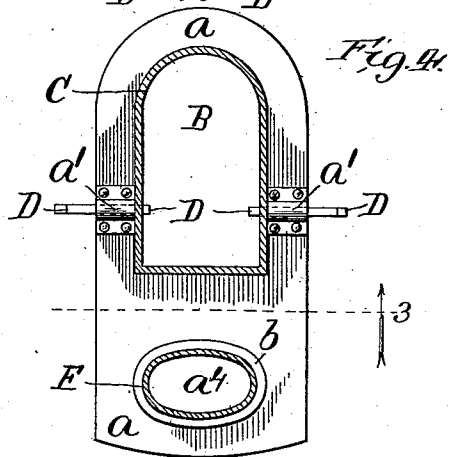


Fig. 4.

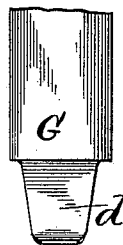


Fig. 6.

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UNITED STATES PATENT OFFICE.

JOSEPH KLEIN, OF CHICAGO, ILLINOIS.

APPLIANCE FOR HEATING AND PITCHING CASKS.

SPECIFICATION forming part of Letters Patent No. 566,192, dated August 18, 1896.

Application filed March 6, 1896. Serial No. 582,021. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH KLEIN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented certain new and useful Improvements in an Appliance for Heating and Pitching Casks; and I do hereby 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
10 make and use the same.

This invention relates to an arrangement for applying to the inside of casks, barrels, and kegs a coating of pitch, resin, or other
15 suitable adhesive composition, and is more especially designed for vessels used for holding beer.

The object is to provide a simple, novel, and convenient device of this character by
20 which the work may be done thoroughly and with facility.

In the drawings, Figure 1 is a vertical section of a cask, showing the appliance in position for use; Fig. 2, an elevation of a lighting-torch; Fig. 3, a broken-away section on
25 line 3, Fig. 4, looking in the direction indicated by the arrow; Fig. 4, a horizontal section on line 4, Fig. 3; Figs. 5 and 6, details of construction.

30 A represents a cask of the kind used in breweries for holding beer and other malt liquors. In the process of manufacture this cask is provided in the head end with an opening B, which may be closed by any suitable means. A chimney C, usually made of
35 sheet-iron, is provided on the bottom with a flange *a*, and when in use is seated on the head C' of the cask over the opening B, and secured in place by two angular sliding hooks
40 D D, the lower ends of which are adapted to be inserted down through the opening B and engage with the under side of the head, as shown in Figs. 1 and 3, and retain the chimney in place during the time that it is being
45 used. The upper ends of the companion hooks D D extend across the top of the head C' and form a convenient hand-grasp in throwing the hooks into and out of their locking position. These hooks are loosely retained in
50 place by guide-lugs *a' a'*, secured on the flange *a* of the chimney. When the chimney is placed in position for use, these hooks are

moved inwardly as far as the guide-lugs will permit, when they will pass down through the opening in the head of the cask and may then
55 be drawn out to the locking or clamping position shown in Fig. 3. This chimney will usually be from three to eight feet in height, in accordance with the size of the vessel on which it is being used. A cover *a*² is hinged
60 to and closes the top of the chimney. A rod *a*³ is connected with this cover and provides a convenient means for opening and closing the same. The flange *a* of the chimney is provided with an aperture *a*⁴, opening into
65 the cask. A guide-tube F, provided with a flange *b*, covers aperture *a*⁴ and is rigidly secured in place. A tube G is adapted to be loosely inserted inside of the guide-tube and is provided on the lower end with a foot *d*,
70 which supports the open end above the bottom of the cask. This telescopic connection between the tube and its guide-tube provides for its adjustment with reference to vessels of different depths. A handle-rod *g*, attached
75 to the inside tube, provides for the convenient insertion and removal of the same.

A funnel H may be inserted in the vessel at any convenient point, through which the liquid pitch is introduced. A rod *h* is provided
80 on one end with a torch made of cotton waste or other suitable substance, and when required for use is saturated with some inflammable composition.

In practical working the appliance is attached to the vessel in the manner shown in
85 the drawings. The melted composition is then poured into the vessel through the funnel, the cover on the chimney opened, and the lighted torch inserted down through the
90 tube to the bottom, which ignites the composition and thoroughly warms the inside of the vessel. When the vessel has been sufficiently heated, the cover on the chimney may be
95 closed, which will have the effect of extinguishing the flame, all other parts being closed against the admission of air. The appliance is then removed and the vessel rolled in the
100 usual manner, the liquid composition spreading evenly and uniformly over the interior surface.

I am aware of Letters Patent No. 222,696 and bearing date of December 16, 1879, but I do not claim anything therein set forth.

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

1. In an appliance of the kind described,
5 the combination with a cask or barrel, having an opening in the end, of a chimney, provided on its lower end with a flange inclosing said opening, the companion angular fastening-hooks, adjustably attached to and removably
10 retaining the chimney in its working position, the guide-lugs, the cover, hinged to the upper end of the chimney, and the rod, attached to said cover and providing means for opening and closing the same, substantially as described.
15 scribed.

2. In an appliance of the kind described, the combination with a cask or barrel, having

an opening in the end, of a chimney, provided on the lower end with a seating-flange having an opening therethrough corresponding to the
20 opening in the cask, the companion angular fastening-hooks, a guide-tube, secured to the seating-flange and projecting therethrough into the cask, the tube, loosely inserted through the guide-tube and provided on the
25 lower end with a foot supporting the other end above the bottom of the cask, substantially as described.

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

JOSEPH KLEIN.

Witnesses:

L. M. FREEMAN,
L. B. COUPLAND.