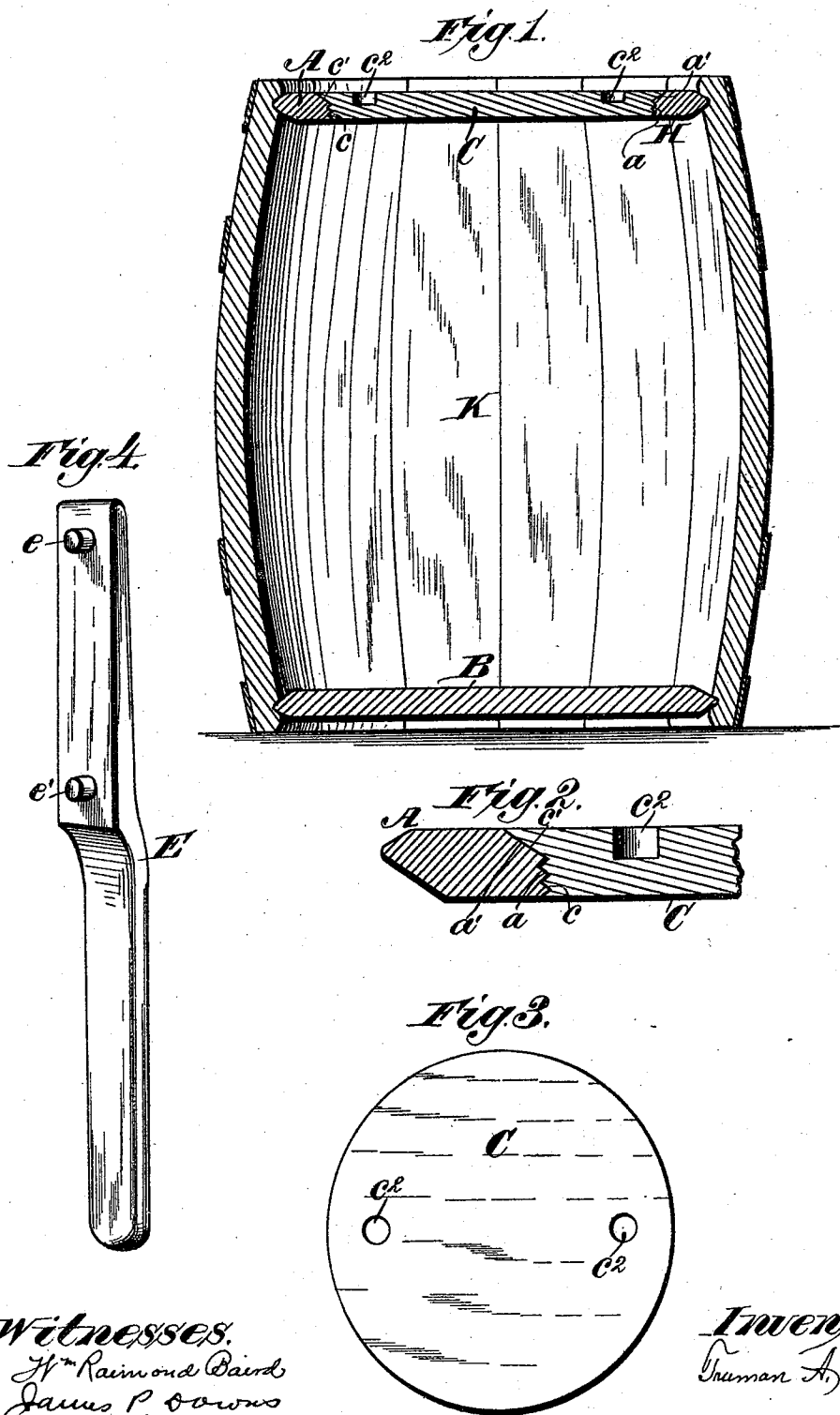


(No Model.)

T. A. SHAW.
PAINT KEG.

No. 501,171.

Patented July 11, 1893.



Witnesses.

Wm. Raymond Baird
James P. Brown

Inventor:
Thos. A. Shaw

UNITED STATES PATENT OFFICE.

TRUMAN A. SHAW, OF WHITE PLAINS, NEW YORK, ASSIGNOR OF TWO-THIRDS
TO SAMUEL T. SNIFFEN, OF SAME PLACE, AND JOSEPH TILTON, OF NEW
YORK, N. Y.

PAINT-KEG.

SPECIFICATION forming part of Letters Patent No. 501,171, dated July 11, 1893.

Application filed August 16, 1892. Serial No. 443,268. (No model.)

To all whom it may concern:

Be it known that I, TRUMAN A. SHAW, a citizen of the United States, residing at White Plains, Westchester county, New York, have
5 invented certain new and useful Improvements in Paint-Kegs; 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
10 make and use the same, reference being had to the accompanying drawings, and to the letters marked thereon, which form part of this specification.

The object of my invention is to provide
15 an improved removable head for paint kegs, barrels, and similar receptacles composed of staves, and it consists in the construction and combination of parts hereinafter particularly described and pointed out in the claim.

20 In United States Patent No. 28,712, issued to George W. Banker June 12, 1860, is disclosed a method of removably securing the head of a barrel in place that consists in forming screw threads directly upon the inner face of the upper ends of the staves and
25 complementarily threading the edge of the head, so that the head may be held in place and easily removed by means of the threads. In the use of paint kegs, barrels, and the like,
30 it is often highly desirable that the entire or as near as possible the entire head be removed quickly and securely replaced and at the same time be liquid and air-tight. But it has been found that Banker's construction
35 does not fulfill these requirements, and so far as is known it has not been generally or even particularly adopted. Among some of the disadvantages of Banker's device are: the great difficulty in forming the threads directly
40 upon the staves, the extreme liability to injure the parts in doing this, and the insecurity of the barrel or keg at its threaded end,—thus rendering the barrel or keg leaky. Furthermore, when the entire head is removed
45 there is nothing remaining to sustain the staves at the end and prevent their collapsing and thus allowing the hoop to fall off or become dislocated.

The particular object of my invention is to
50 improve the Banker device so that substan-

tially the benefit of his idea may be had without experiencing these objections.

In carrying out my invention, I construct the head of two parts, to wit: a ring narrow in the direction of the diameter of the head
55 with its outer edge beveled to fit the croze of the staves whereby it can be easily driven into the top of the barrel in place in the croze, and a central removable portion or disk that may be removed independently of the ring to
60 permit access to the contents of the barrel or keg and which when removed discloses nearly the entire space encompassed by the staves, the narrow ring remaining to support and
65 prevent the collapse of the staves.

In the drawings, Figure 1 is a central vertical section of a keg provided with my improved head. Fig. 2 is an enlarged section of a part of the head. Fig. 3 is a top view of the removable disk or plate; and Fig. 4 is a per-
70 spective view of a key used to open and close the head by removing the disk.

Like letters of reference indicate like parts throughout the several views in which they appear.

Referring to the drawings, the letter K designates a keg made of wooden staves provided with a croze and having a bottom B and a head H. The head is composed of the narrow annular part or ring A having its outer
80 edge beveled or constructed to fit into the croze, as shown, and threaded on its inner edge *a* with the upper portion of this edge cut away or sloped as at *a'*, and a removable disk or plate C complementarily threaded on
85 its edge *c* to engage the threads *a* of the ring and also provided with a flange *c'* projecting from the upper part of its edge in the plane of the disk,—the flange having an inclined surface corresponding to the sloping surface
90 on the ring. The threads *c* are designed to come in close contact with those on the inner edge of the ring when the plate or disk is in place. The holes *c²* sunk from the outside into the body of the plate are adapted
95 to be engaged by the pins *e e'* on a key E so that the plate may be easily removed. When the disk is removed the ring remains in place and serves to support the ends of the staves. It will be readily seen that by interposing the
100

ring A between the disk and the staves the objections met in Banker's device are obviated; for it is much easier to form the threads on the ring than on the staves; there is no liability to injure the parts of the barrel; there is no loosening of the hoop or forcing out of the staves by the repeated removal and insertion of the disk; and the whole head, or the ring without the disk, can be driven into place until the beveled outer edge of the ring enters the croze, and when the disk is removed practically the entire head is removed, and also when the parts are in position a liquid-tight and durable receptacle is obtained.

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

The combination with a barrel, keg, or other similar receptacle composed of staves having

a croze, of a head comprising a ring A narrow in the direction of its diameter and having its outer edge beveled to fit in said croze and its inner edge screw-threaded, and a disk or plate C provided with cavities for the reception of a wrench and constructed to fit within the ring and having its edge complementarily threaded to engage the threads on the ring, whereby the said head may be driven into the barrel and the disk may be removed leaving the ring to support the ends of the staves, substantially as shown and described.

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

TRUMAN A. SHAW.

Witnesses:

WM. RAIMOND BAIRD,
JAMES P. DOWNS.