

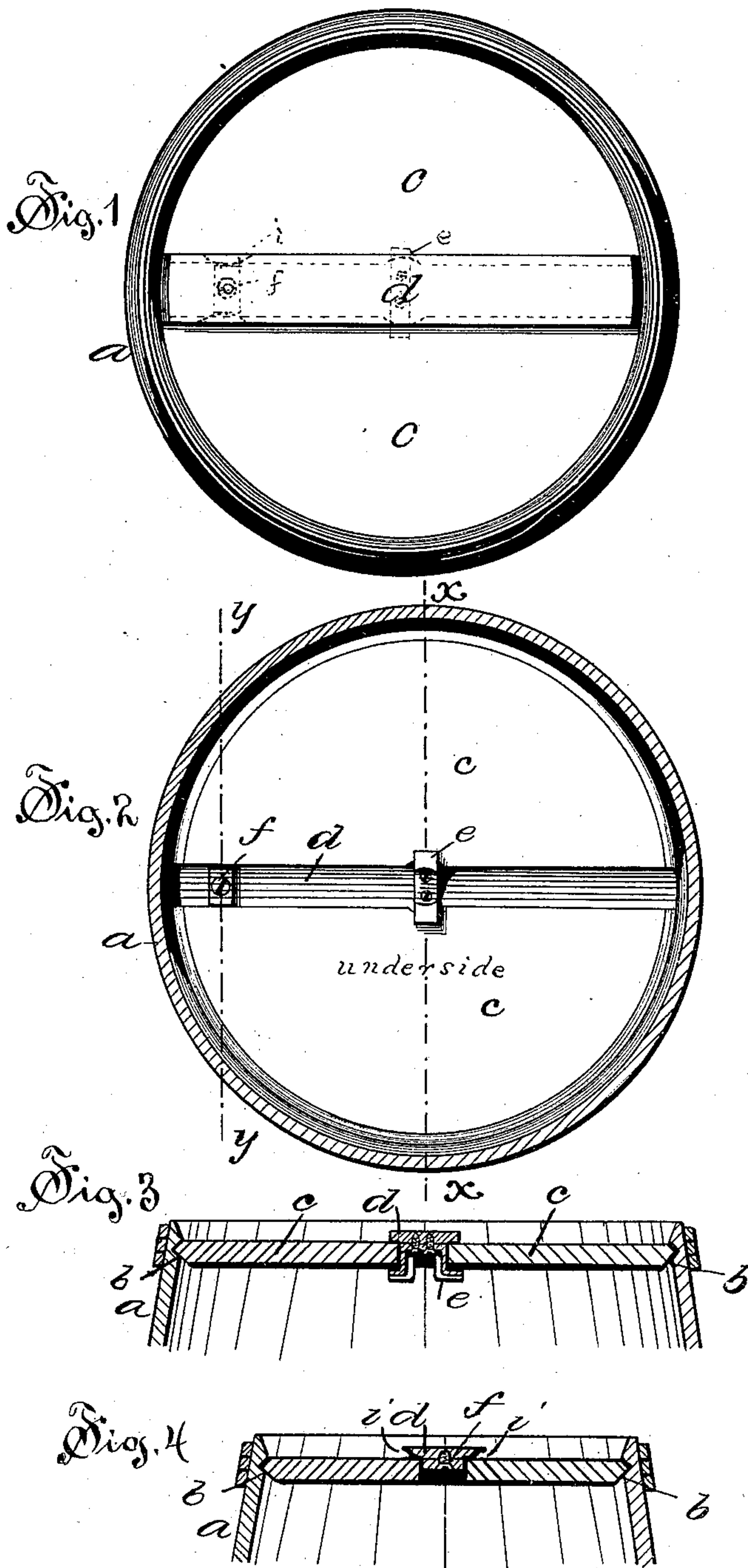
(No Model.)

J. ALVORD.

BARREL HEAD.

No. 376,223.

Patented Jan. 10, 1888.



WITNESSES:

H. R. Williams;
W. M. Yorkman.

INVENTOR,

James Alvord
by Linwood Burdett
his ATTY.

UNITED STATES PATENT OFFICE.

JABEZ ALVORD, OF WINSTED, CONNECTICUT, ASSIGNOR OF ONE-HALF TO
ROLLIN H. COOKE, OF SAME PLACE.

BARREL-HEAD.

SPECIFICATION forming part of Letters Patent No. 376,223, dated January 10, 1888.

Application filed July 28, 1887. Serial No. 245,487. (No model.)

To all whom it may concern:

Be it known that I, JABEZ ALVORD, of Winsted, in the county of Litchfield and State of Connecticut, have invented a certain new and
5 useful Improvement appertaining to Barrel-Heads, of which the following is a description, reference being had to the accompanying drawings, wherein—

Figure 1 is the end or top view of the barrel
10 end and barrel-head embodying my improvement. Fig. 2 is the bottom or underside view of the same parts that are shown in Fig. 1, the barrel cut in horizontal cross-sections. Fig. 3
15 is a view of the same parts that are shown in Figs. 1 and 2, represented as cut in central vertical sections on the plane xx . Fig. 4 is a view of the same parts that are shown in Figs. 1 and 2, represented as being cut in vertical sections
20 on the line yy .

The object and purpose of this improvement
25 is to produce a barrel-head which may be readily attached and detached from the barrel at pleasure without the removal or loosening of the chine hoops.

The letter a denotes a barrel-body as a whole,
30 and b denotes an annular groove made on the interior thereof.

The letters $c c$ denote two barrel-head sections whose edges are chamfered and beveled
35 to fit the groove b . These barrel-head sections do not entirely fill the barrel, but they are separated by an interval, which is covered by an interval-cap, shortly to be described.

The letter d denotes this interval-cap, which
40 should be of some slightly-elastic material. Many kinds of wood will answer for this purpose.

The letter e denotes a button, preferably
45 made of metal, which can be readily inserted through the interval which separates the barrel-head sections when the interval-cap is at right angles to that interval. Then by rotat-

ing the interval-cap to the position shown in the drawings the button places the cap tightly down, closing the interval, and the stop f drops
50 into the interval and sufficiently locks the interval-cap into position. That end of the interval-cap which carries the stop f has on its edges the chamfers i , by the aid of which a person's fingers may grasp the spring and lift
55 that end to raise the stop out of the interval, after which the interval-cap can be given a quarter-rotation, which unlocks it from the barrel-head sections, after which the barrel-head sections can be moved readily toward the
60 center of the barrel and taken out.

It will be observed that the button e not only serves the purpose of drawing the interval cap closely down upon the barrel-head sections, but it also pushes the barrel-head sections apart
65 and into proper contact with the groove b .

I claim as my improvement—

1. In combination, the barrel-body a , bearing the interior groove, b , the barrel-head sections $c c$, separated by an interval, and the interval-cap d , carrying the button e , all substantially as described, and for the purpose
70 set forth.

2. In combination, the barrel-head sections $c c$, separated by an interval, the interval-cap
75 d , carrying the button e and made of some slightly-elastic material, and the stop f , all substantially as described, and for the purpose set forth.

3. In combination, the barrel-head sections
80 $c c$, separated by an interval, and the interval-cap carrying the button and provided with the chamfers i , all substantially as described, and for the purpose set forth.

JABEZ ALVORD.

Witnesses:

FRANK D. HALLETT,
WARHAM H. WILLIAMS.