

Alex Harvey's Improved Barrel Head.

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Fig 1

PATENTED AUG 1 1871

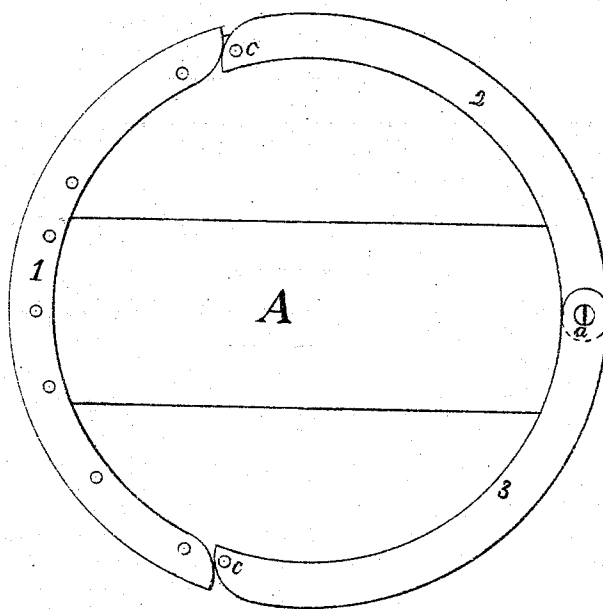
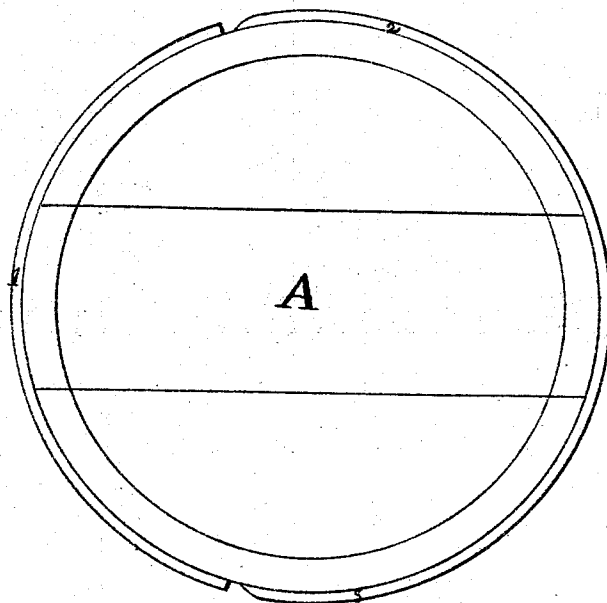


Fig. 2.



Witnesses

*Jacob H. H. H.*  
*John Bentley*

Inventor

*Alexander Harvey*

# UNITED STATES PATENT OFFICE.

ALEXANDER HANVEY, OF STEUBENVILLE, OHIO.

## IMPROVEMENT IN BARREL-HEADS.

Specification forming part of Letters Patent No. 117,536, dated August 1, 1871.

*To all whom it may concern:*

Be it known that I, ALEXANDER HANVEY, of Steubenville, in the county of Jefferson and State of Ohio, have invented a new and Improved Head for Barrels; and I do hereby declare that the following is a full description of the same.

My invention relates to a new method of constructing barrel-heads to facilitate the opening and closing of barrels; and consists in the attachment of a sectional metallic circle to the top side of a barrel-head, and extending past the same to fit into the groove on the inside of the barrel made to receive and hold the head in place. This metallic circle may be made of common hoop-iron bent edgewise into a circle of suitable size, then cut into sections, to be attached in the manner as will be hereinafter more fully described.

Figure 1 is a top or outside view of a barrel-head with my invention attached. Fig. 2 is the under-side view of a barrel-head with my improvement attached, showing the extension of the metallic circle past the wood part of the head.

A is the barrel-head, connected together by the metallic circle in three sections, as shown by the Figs. 1, 2, 3. Section 1 of the above-mentioned circle is cut of sufficient length to reach about two-fifths the circumference of the barrel-head, and is attached to each piece thereof by means

of screws or nails. Sections 2 and 3 are of equal length and shape, and fill up the intervening space between the ends of section 1. The ends of these sections 2 and 3 overlap, as shown at *a*, Fig. 1, and are fastened at this point by means of a screw passing through them both into the wood part of the head. The other end of each of these sections 2 and 3 is beveled off at the outer corner, and is fastened by means of a screw or nail near the inside corner of the same, as shown at *c*. To remove the head, withdraw the screw at *a*, Fig. 1, and move these overlapping ends inward toward section 1 until these sections 2 and 3 are entirely withdrawn from the groove in the barrel; then, by a slight movement of the whole head, section 1 is released from the groove and the head removed without disturbing the hoops. By reinserting the screw at *a*, section 1, the whole head is bound together, and may be used as a cover for the barrel.

I claim—

A barrel-head, provided with sectional metallic circles, when constructed in the manner and for the purpose substantially as herein set forth.  
ALEXANDER HANVEY.

Witnesses:

BENJ. T. BLINN,  
WILLIAM SMURTHWAITE.