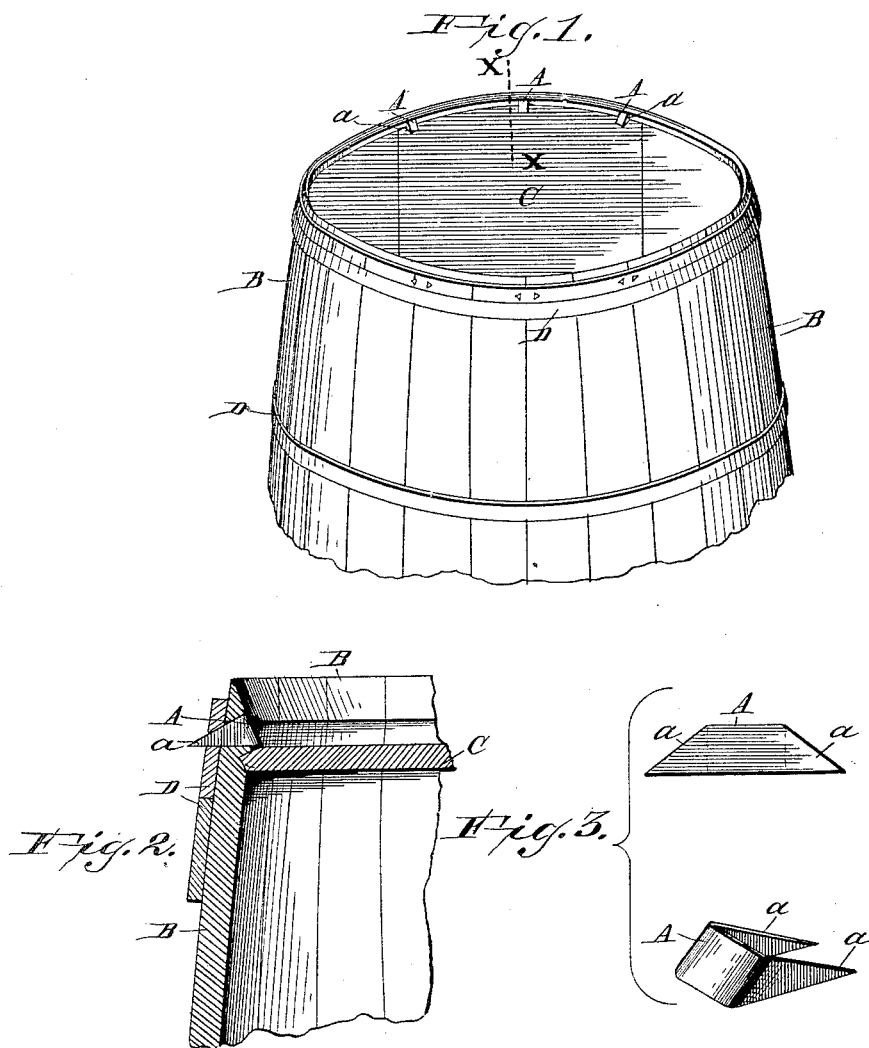


(No Model.)

S. W. ALEXANDER.  
BARREL HEAD FASTENER.

No. 419,097.

Patented Jan. 7, 1890.





# UNITED STATES PATENT OFFICE.

SILAS WRIGHT ALEXANDER, OF LETART FALLS, OHIO.

## BARREL-HEAD FASTENER.

SPECIFICATION forming part of Letters Patent No. 419,097, dated January 7, 1890.

Application filed July 6, 1889. Serial No. 316,662. (No model.)

*To all whom it may concern:*

Be it known that I, SILAS WRIGHT ALEXANDER, a citizen of the United States, residing at Letart Falls, in the county of Meigs and State of Ohio, have invented certain new and useful Improvements in Barrel-Head Fasteners; 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 make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to a barrel-head fastener.

The improvement consists of the novel features which will be hereinafter more fully described and claimed, and which are shown 20 in the annexed drawings, in which—

Figure 1 is a perspective view of the end of a barrel, showing the application of my invention. Fig. 2 is a detail section of the barrel on the line X X of Fig. 1. Fig. 3 is a perspective view of the fastener and an elevation 25 of the blank from which the fastener is formed.

The object of the invention is to provide a metal fastener for barrel-heads which approximates the bevel of the chine and is 30 wedged in the angle between the head and chine and secured therein by having a portion extended into the said barrel.

The fastener is in the shape of a staple and comprises the inclined end A and the side 35 prongs *a*, the latter being parallel and approximately triangular in shape, the point being opposite the inclined end A.

The barrel, comprising the staves B, the head C, and the hoops D, is of usual construction. The fastener is placed on the head 40 and driven through the chine and hoop opposite the head. The inclined end of the fastener approximates the bevel of the chine.

Having thus described my invention, what 45 I claim, and desire to secure by Letters Patent, is—

1. The combination, with the barrel, of the head-fastener composed of an end portion A, which approximates the bevel of the chine and 50 is wedged in the angle between the head and the chine, and having a portion projected into the barrel, whereby the fastener is held in place, substantially as described.

2. The hereinbefore-specified barrel-head 55 fastener, composed of an inclined portion A, which is designed to be wedged in the angle between the chine and head of the barrel, and having fastening-prongs at each end, substantially as and for the purpose described. 60

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

SILAS WRIGHT ALEXANDER.

Witnesses:

JOHN O. PRICE,  
A. B. ALEXANDER.