A. WOLLNER.

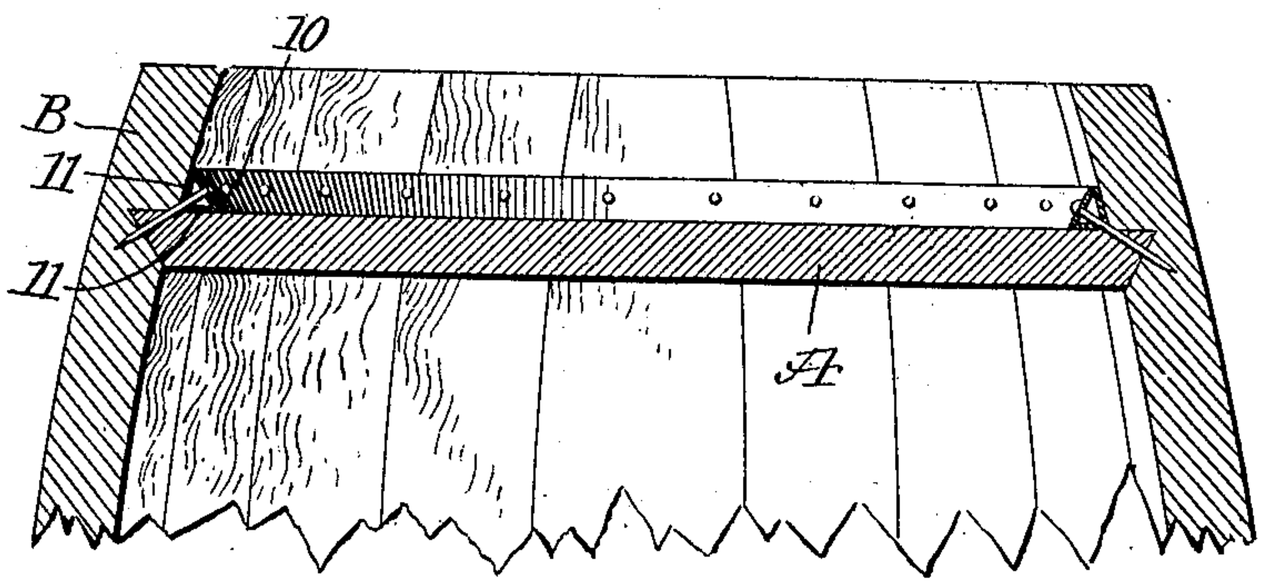
FASTENER FOR BARREL HEADS AND THE LIKE.

APPLICATION FILED APR. 21, 1908.

916,819.

Patented Mar. 30, 1909.

Fig. 1.



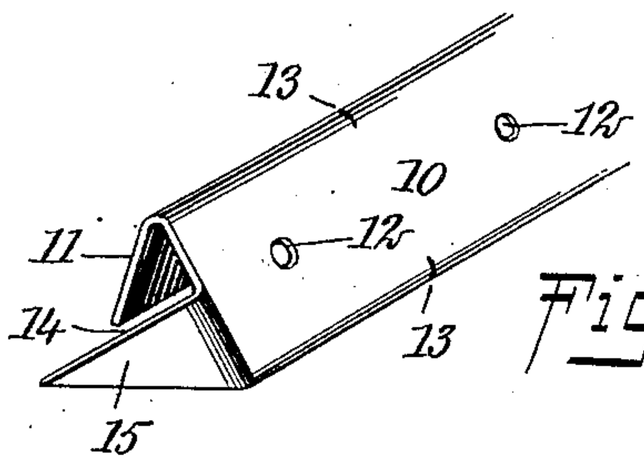


Fig. 2.

Fig. 3.

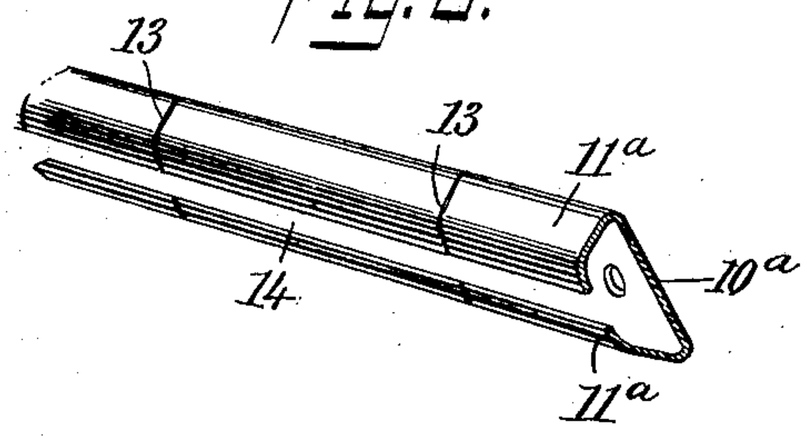
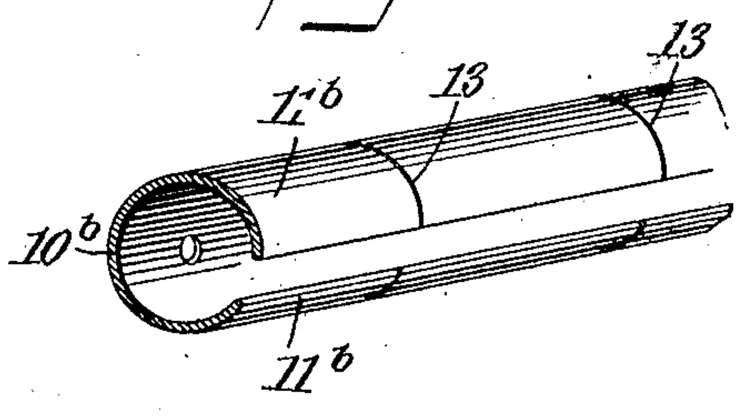


Fig. 4.



WITNESSES

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FASTENER FOR BARREL-HEADS AND THE LIKE.

No. 916,819. Specification of Letters Patent. Patented March 30, 1909.

Application filed April 21, 1908. Serial No. 428,350.

To all whom it may concern:

Be it known that I, ALFRED WOLLNER, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Fastener for Barrel-Heads and the Like, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in fasteners adapted to be applied to barrels, kegs, and the like, for securing the barrel head in place, and consists of a strip of metal adapted to be secured in the angle between the outer surface of the barrel head and the inner surface of the chime. The strip is so formed that it may be readily bent to fit the curvature of the particular barrel or keg, and is adapted to be secured in place by nails, screws, or other means.

Reference is to be had to the accompanying drawings, forming a part of this specification in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a longitudinal section through a barrel having the head thereof secured in position by one form of my improved cleat; Fig. 2 is a perspective view of one form of my improved cleat; and Figs. 3 and 4 are perspective views of cleats constructed in accordance with my invention, but differing slightly in form from that shown in Fig. 2.

My improved fastener is formed of sheet metal and is adapted to be secured to a barrel upon the outer surface of the head A and along the inner surface of the chime B. The fastener is substantially tubular in form, and is constructed of sheet metal cut and bent to permit of its being readily bent to any desired curve and adapted for the passage of nails or other securing means therethrough.

In the specific form of the fastener shown in Figs. 1 and 2, the tubular strip is substantially triangular in form, there being provided a central web 10 and flat side flanges 11. The angles at which the flanges lie in respect to the web are determined by the angle of the chime in respect to the barrel head. The web is provided with a plurality of apertures 12, through which nails may be driven to secure the strip in place, and the flanges 11 are provided with a plurality of transverse cuts or slits 13, extending from the free edges of the flanges to the web. The cuts or slits in one flange are directly opposite to those in the opposite flange, whereby the web may be readily bent to open the slits in the flanges and cause the strip to assume a curved form. The cuts or slits subdivide the flanges into sections and the length of these sections may be as great or as small as desired, depending upon the diameter of the keg or barrel in connection with which the device is to be employed. The flanges terminate a short distance from each other, so as to leave a slot or opening 14, extending longitudinally of the strip and opposite to the row of nail holes or apertures 12.

The web preferably carries a terminal flange 15, having one edge thereof substantially in alinement with one of the flanges and having the opposite edge intersecting the first-mentioned edge in a point. This flange is adapted to be driven into the chime of the barrel or the head thereof, to hold the end of the strip in position before beginning nailing.

The cross sectional form of the strip may be varied at will, as neither the web portion nor the flanges need necessarily be flat. In Fig. 3, I have shown the tube with a substantially flat web 10^a and curved flanges 11^a, the curvature of the flange adapting it to fit a variety of different barrels having different angles of intersection between the barrel head and the chime. In Fig. 4, the tubular strip is shown substantially cylindrical in cross section, the web or back portion 10^b having substantially the same curvature as the flanges 11^b.

It will be noted that the tubular strip cannot be bent very readily, due to its cross-sectional form, except at the points where the slots 13 are cut through the flanges to the web. The only part which connects one section to another is the web, which may be readily bent and forms a flexible connection between the adjacent sections.

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

1. A barrel head fastener formed of a plurality of sections flexibly connected together, each section comprising a sheet metal tubular body having converging sides spaced apart, and provided with apertures in said sections, opposite the space between their converging sides and adapted to be secured

upon the outer face of a barrel head with one converging side in engagement with said head and its other converging side in engagement with the staves of the barrel.

2. A device of the class described, comprising a tubular strip of sheet metal having a slot or opening along one side thereof and an aperture for nails or other securing means on the side opposite to said slot, the portions adjacent said slot being cut or weakened transversely.

3. A device of the class described, comprising a strip of sheet metal, including a web and side flanges, said flanges being subdivided into sections by transverse cuts.

4. A device of the class described, comprising a strip of sheet metal, including a web and side flanges, said flanges being subdivided into sections by transverse cuts, and said web having apertures for nails or other suitable securing means.

5. A device of the class described, comprising a tubular strip of sheet metal having a plurality of apertures for nails or other suitable securing means and having a pointed terminal flange extending transversely of said strip.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED WOLLNER.

Witnesses:

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