

No. 683,766.

Patented Oct. 1, 1901.

W. H. HUNT.

DEVICE FOR FASTENING HOOPS TOGETHER WITHOUT RIVETS.

(Application filed Apr. 9, 1901.)

(No Model.)

FIG. 1.

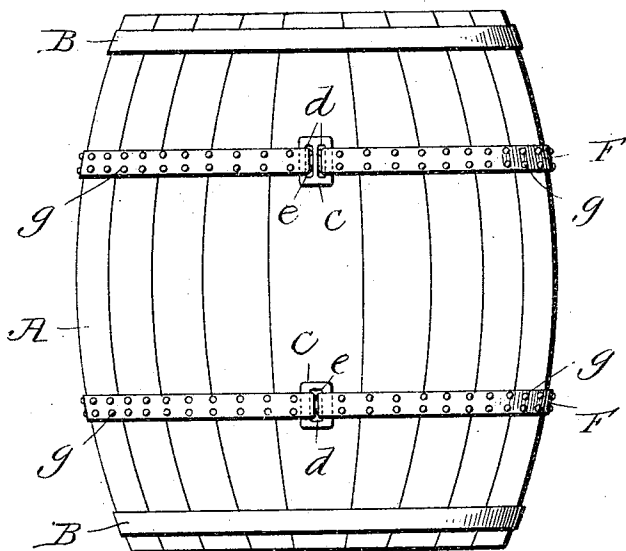


FIG. 2.

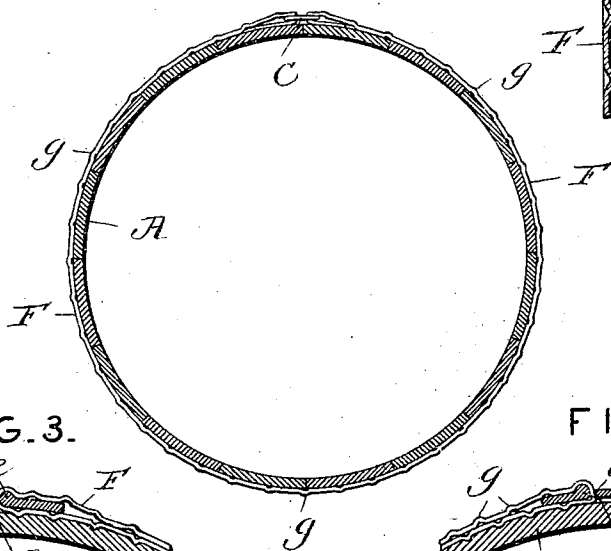


FIG. 5.

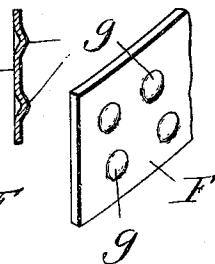
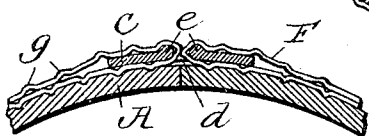


FIG. 3.



ATTEST.

Harry L. Ames.
George W. Anderson

FIG. 4.



INVENTOR.

William H. Hunt.

By *Edw. Anderson*
his Atty.

UNITED STATES PATENT OFFICE.

WILLIAM H. HUNT, OF BETHESDA, OHIO.

DEVICE FOR FASTENING HOOPS TOGETHER WITHOUT RIVETS.

SPECIFICATION forming part of Letters Patent No. 683,766, dated October 1, 1901.

Application filed April 9, 1901. Serial No. 55,014. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HUNT, a citizen of the United States, and a resident of Bethesda, in the county of Belmont and State of Ohio, have made a certain new and useful Invention in Devices for Fastening Hoops Together Without Rivets; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation of a barrel having my invention applied thereto. Fig. 2 is a cross-section of the same. Fig. 3 is a detail sectional view of my device as applied to a locking-plate having a single slot *d*. Fig. 4 is a similar view showing a plate having two slots *d*. Fig. 5 illustrates the strap in detail and on a larger scale.

The invention has relation to devices for hooping barrels, tanks, and like articles; and it consists in the novel construction and combination of parts, as hereinafter set forth.

The object of the invention is to provide means for fastening up barrels and other vessels formed of staves without using riveted hoops.

In the accompanying drawings the letter A designates a portion of a barrel, and B a hoop passing around it.

C represents a locking-plate having the curvature of the barrel and provided with a slot or slots, (indicated at *d*.) These slots are formed with their bearing edges *e* rounded. The slots are a little longer than the width of the hoop-strap F.

The hoop-strap F is made long enough to go around the barrel, with sufficient at the ends to be passed through the slots of the locking-plate and reversely bent—that is to say, each end of the hoop after being passed through its slot in the locking-plate from the outside inward is bent back upon itself.

The strap is a frictional strap made of metal and is provided with frictional projections *g*, formed by stamping indentations on the reverse side. When the ends are turned under, these projections are on the inside of the ends, and when the hoop-strap is driven on the barrel the ends engage the wood of the barrel and being clamped between the barrel and the lock-plate a secure fastening is formed capable of withstanding any pressure not sufficient to break the strap. The bearing edges of the slots of the locking-plate are rounded, as hereinbefore mentioned, in order to prevent the strap from being broken at the bend.

By means of this device any vessel of staves may be hooped in a secure manner whether it be a barrel or a tub or a water-tank.

The depressions upon the reverse side of the strap and coincident with the round frictional bosses when the strap is tightly drawn around the barrel receive the wood thereof, which swells into the same. At the same time the frictional bosses of the doubled end of the strap positively engage or sink into the wood of the barrel. In this way an effective lock is provided for without interfering with the adjustability of the strap.

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

The adjustable barrel-hoop comprising a slotted plate, and a hoop-strap formed with a series of round indented bosses throughout the length thereof, presenting outwardly, and leaving similar depressions coinciding with said bosses upon the reverse side of the strap, the ends of said strap being doubled and engaging the slot of said plate, substantially as specified.

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

WILLIAM H. HUNT.

Witnesses:

FRANK McNICHOLS,
GEORGE MURPHY.