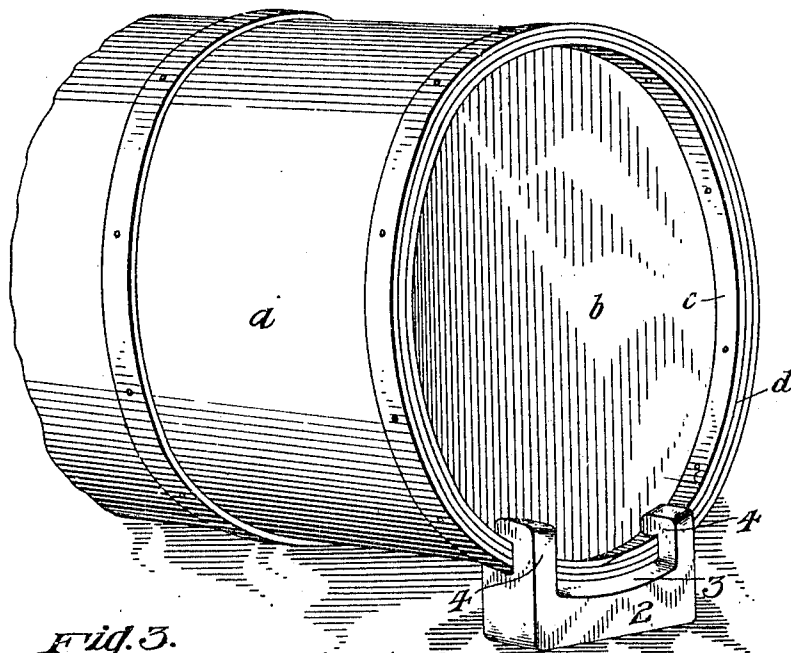


H. ROBERTS.  
HOOP NAILING JIG.  
APPLICATION FILED SEPT. 8, 1909.

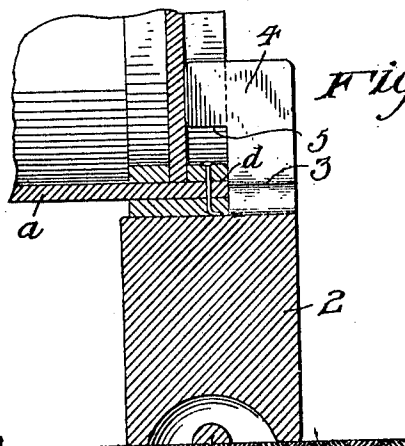
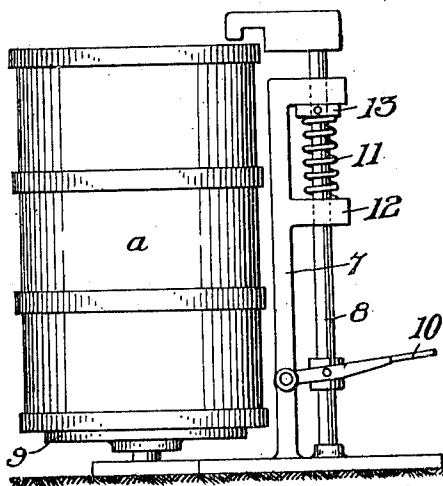
955,906.

Patented Apr. 26, 1910.

*Fig. 1.*



*Fig. 3.*



*Fig. 2.*

witnesses:  
*J. C. Appelman,*  
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*Inventor*  
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*his attorneys*

# UNITED STATES PATENT OFFICE.

HENRY ROBERTS, OF PITTSBURG, PENNSYLVANIA.

## HOOP-NAILING JIG.

955,906.

Specification of Letters Patent.

Patented Apr. 26, 1910.

Application filed September 8, 1909. Serial No. 516,744.

*To all whom it may concern:*

Be it known that I, HENRY ROBERTS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hoop-Nailing Jigs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

The object of my invention is to provide a nailing jig adapted for use in the application of lining hoops or strips to a barrel or package.

My invention is particularly adaptable to the inserting of the end-most lining hoop or strip used for securing in place the ends or heads of a barrel or package, as will be hereinafter more fully set forth.

I will now describe, in connection with the accompanying drawings, my invention so that others skilled in the art to which it appertains may understand and construct the same.

In the drawings, my invention is shown in connection with a cylindrical barrel or package, the body of which is indicated by *a*, and the head and head-securing strip by *b* and *c*, respectively; and—Figure 1 is a perspective view of my improved nailing jig; Fig. 2 is an enlarged vertical sectional view of the same; and Fig. 3 is an elevation to be hereinafter more fully referred to.

In describing my invention the reference numeral 2 indicates the body portion of the jig, having the curved face 3 and the upwardly extending terminal lugs 4. The curvature of the face 3 is adapted to conform to the radius of the cylinder *a* and constitutes a clenching surface by means of which the nails driven into the hoop *c* will be clenched on the outside of the barrel or package. Carried by the lugs 4 are the shoulders or faces 5 which overhang the clenching face 3. These lugs 4 by reason of the shoulders 5, are adapted to overhangingly engage with the end edge or chime *d* of the barrel or package and hold the jig in operative position.

The lugs 4 with their face 5 while serving to hold the jig in position against the barrel or package *a* also prevent displacement during the nailing operation of the hoop or strip *c* which is adapted to lie against the inner face of the chime *d* between such chime and the shoulders or faces 5 of the lugs.

With one end of the hoop *c* secured in position between the faces 5 and the inner face of the barrel or package, a shifting of the jig 2 along the edge of chime *a* will cause the hoop or strip *c* to pass beneath the faces 5 into position against the head *b* and the inner face of the body *a*, the hoop being nailed to the body at points directly opposite the clenching face 3 as the jig is caused to be so shifted. A handle 6 affords a hand-grasp for the operator.

In Fig. 3 I have shown the standard 7 carrying the vertically shiftable rod 8, the upper end of which is adapted to receive the nailing jig. Rotatably mounted at the base of the standard 7 is the barrel support or table 9 by means of which the barrel is caused to be presented to the nailing jig. Vertical shifting of the rod 8 is accomplished by means of a suitable foot lever 10 which has a pivotal connection with the standard 7 and the lower end of the rod 8. A coiled spring 11 embracing the rod 8 and interposed between the lower rod supporting bracket 12 and the fixed collar 13 carried by the rod 8, serves to normally hold the rod in an elevated position; depression of the foot lever 10 being adapted to shift the jig into operative position over the barrel. The operation of inserting the hoop along the edge of the barrel with this arrangement is the same as that described above; the barrel in this instance being rotated and the jig held in a fixed position. The body 2 is preferably removably carried by the standard 7 for the reason that barrels or packages of radical curvatures would require the substitution of a head having a clenching face the curvature of which would agree or conform to the radius of the barrel or package adapted to be received thereby.

It will be apparent that changes which would not be a departure from my invention may be made in the construction set forth and I do not therefore desire to limit myself thereto.

The advantages of my invention will be appreciated by those skilled in the art. The application of lining hoop to barrel or packages is greatly facilitated thereby, and the device is simple, durable, and inexpensive to manufacture.

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

1. In a nailing jig of the character de-

scribed, the combination of a body portion having a nail-clenching surface, and means for guiding and holding the hoop in nailing position, the hoop guiding means forming a support for holding the barrel in operative position against the clenching surface.

2. In a nailing jig of the character described, the combination of a body portion carrying a clenching face, and means for supporting the clenching face in operative position, the supporting means having a face lying parallel with the clenching face and adapted to form guiding means for the lining hoop.

3. In a nailing jig of the character described, the combination of a body portion, body supporting means adapted to engage with the edge of the barrel, and a clenching face carried by said body portion and lying intermediate the supporting means.

4. In a nailing jig of the character described, the combination of a body portion, having a nail-clenching surface, and a lug extending from the body at an angle to the clenching surface and provided with a shoulder adapted to overhangingly engage with the edge of the barrel.

5. In a nailing jig of the character described, the combination of a body portion, having a nail-clenching surface, and lugs extending from the body at an angle to the clenching surface and provided with a shoulder adapted to overhangingly engage with the edge of the barrel.

6. In a nailing jig of the character described, the combination of a support, a head carried thereby and having a nail clenching surface, means carried by the head and adapted to engage with and hold the barrel in position against the clenching surface,

and means for shifting the head into and out of operative position.

7. In a nailing jig of the character described, the combination of a support, a head carried thereby and having a nail-clenching surface, a barrel support, means carried by the head and adapted to engage with and hold the barrel in position against the clenching surface, and means for shifting the head into and out of operative position.

8. In a nailing jig of the character described, the combination of a support, a head carried thereby and having a nail-clenching surface, a rotatory barrel support, means carried by the head and adapted to engage with and hold the barrel in position against the clenching surface, and means for shifting the head into and out of operative position.

9. In a nailing jig of the character described, the combination of a support, a head carried thereby and having a nail-clenching face, means for guiding and holding the hoop in nailing position, and means for shifting the head into and out of operative position.

10. In a nailing jig of the character described, the combination of a support, a head carried thereby and having a nail-clenching surface, a barrel support, means for guiding and holding the hoop in nailing position, and means for shifting the head into and out of operative position.

In testimony whereof, I have hereunto set my hand.

HENRY ROBERTS.

Witnesses:

M. A. BARTH,  
M. ARTHUR KELLER.