

No. 702,467.

Patented June 17, 1902.

W. J. OTT.
LINING HOOP NAILING HORSE.

(Application filed Mar. 21, 1902.)

(No Model.)

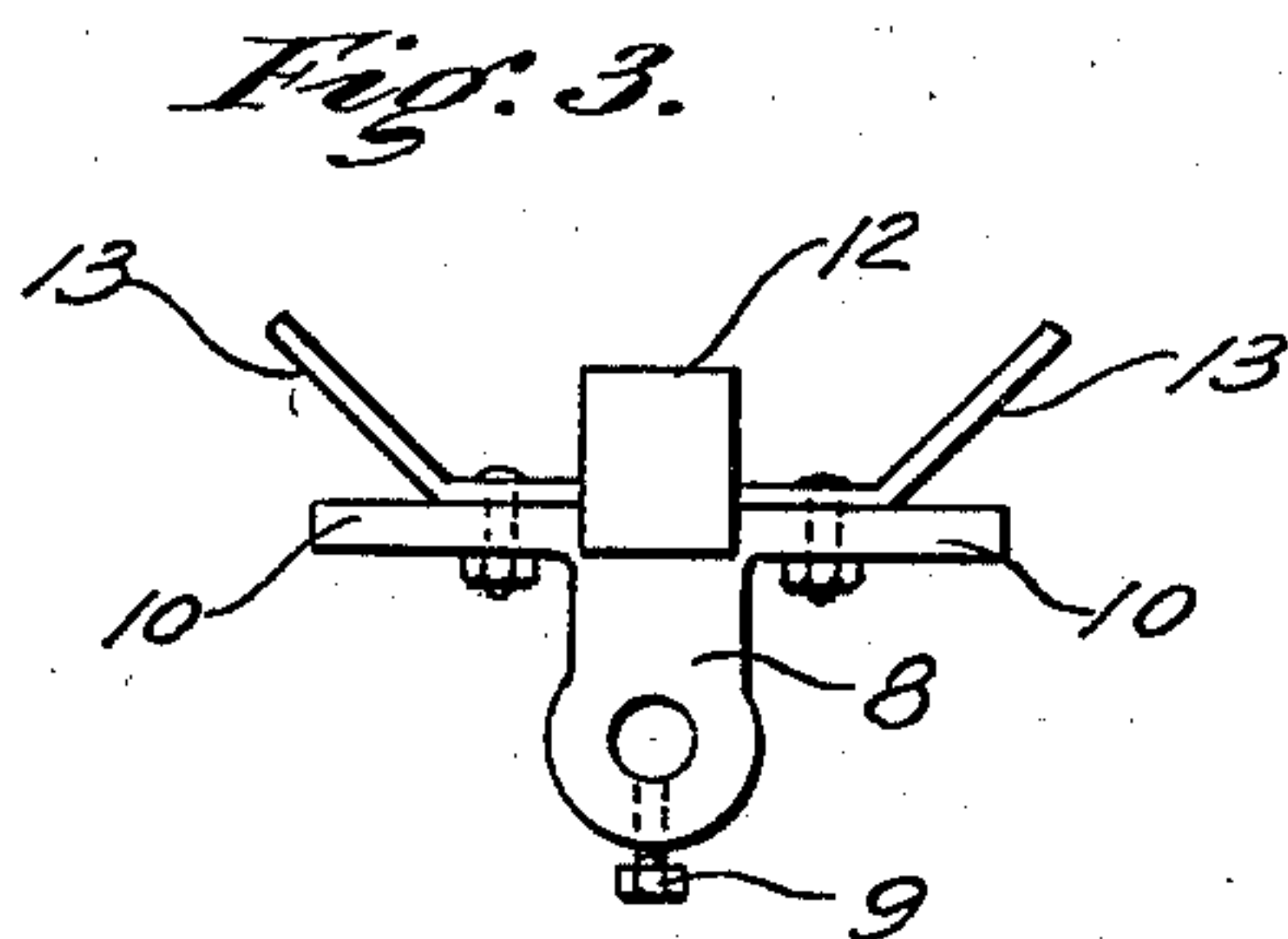
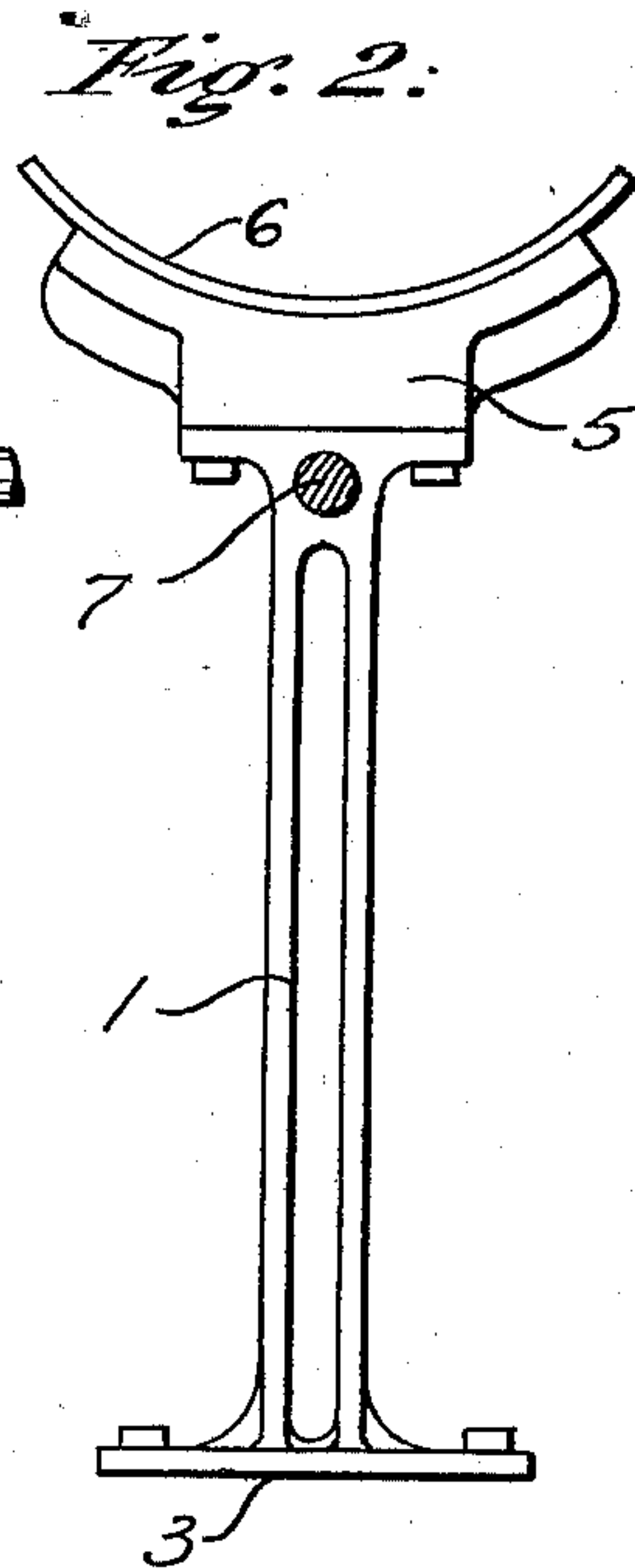
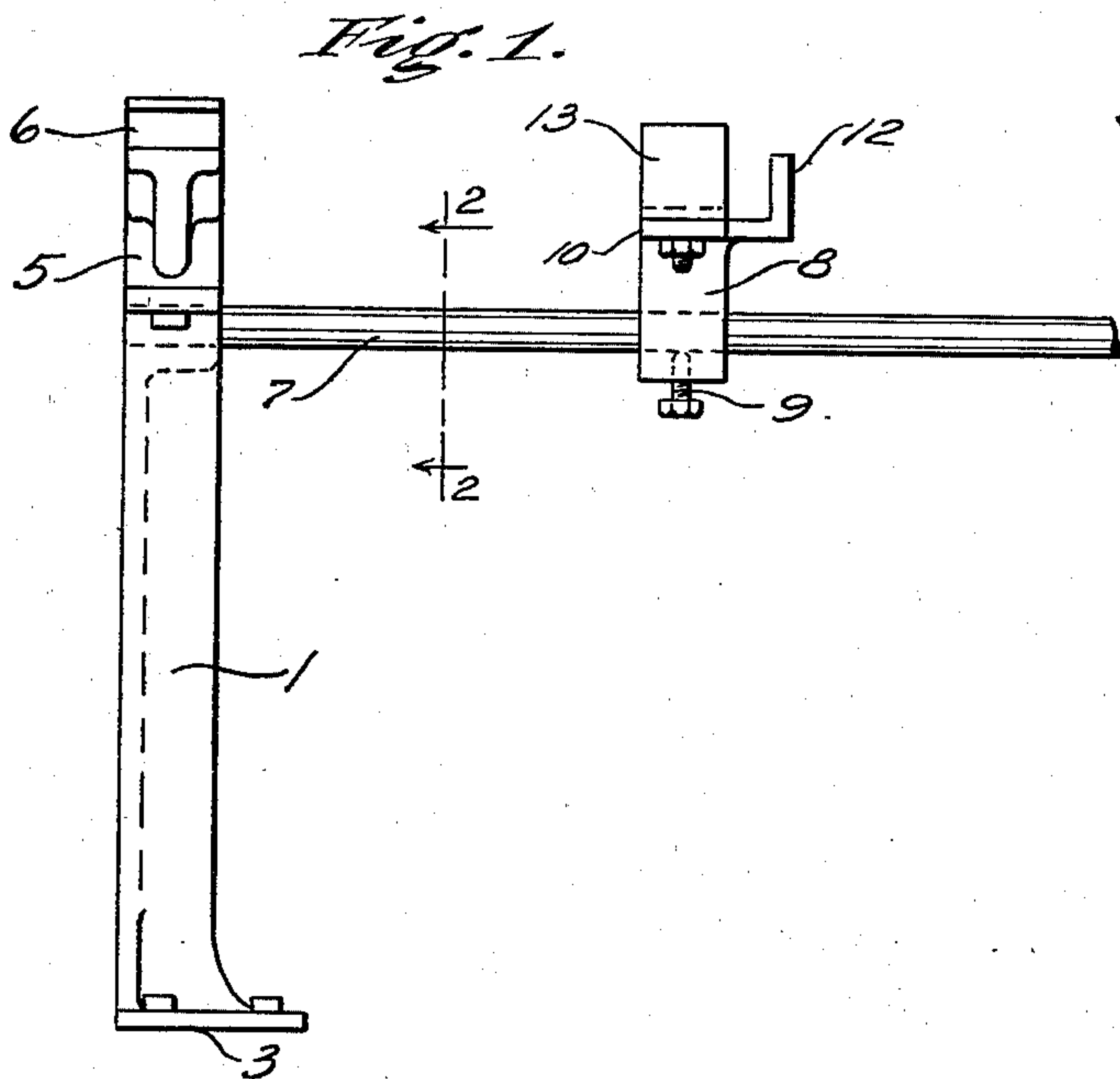


Fig. 5.

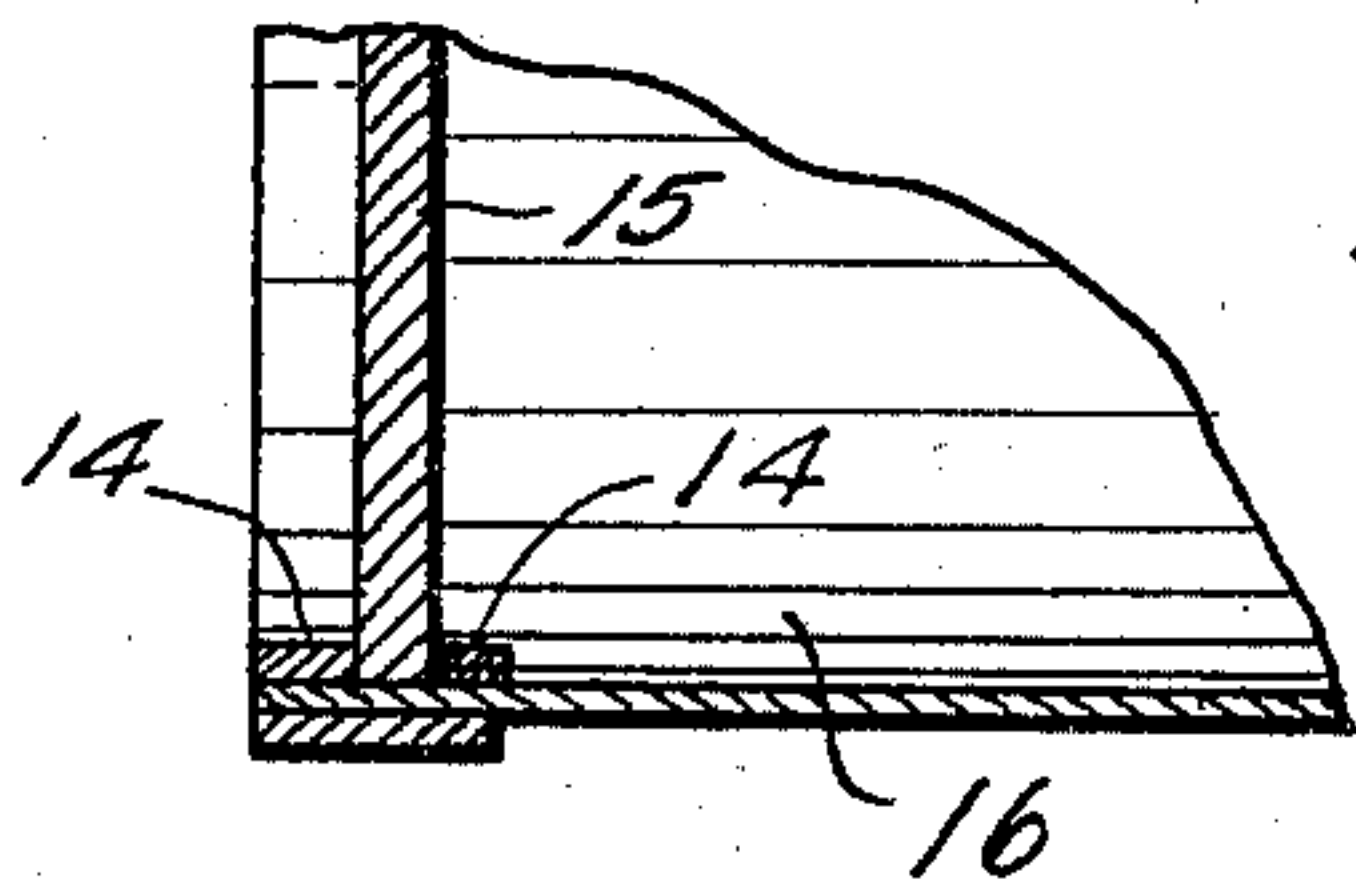
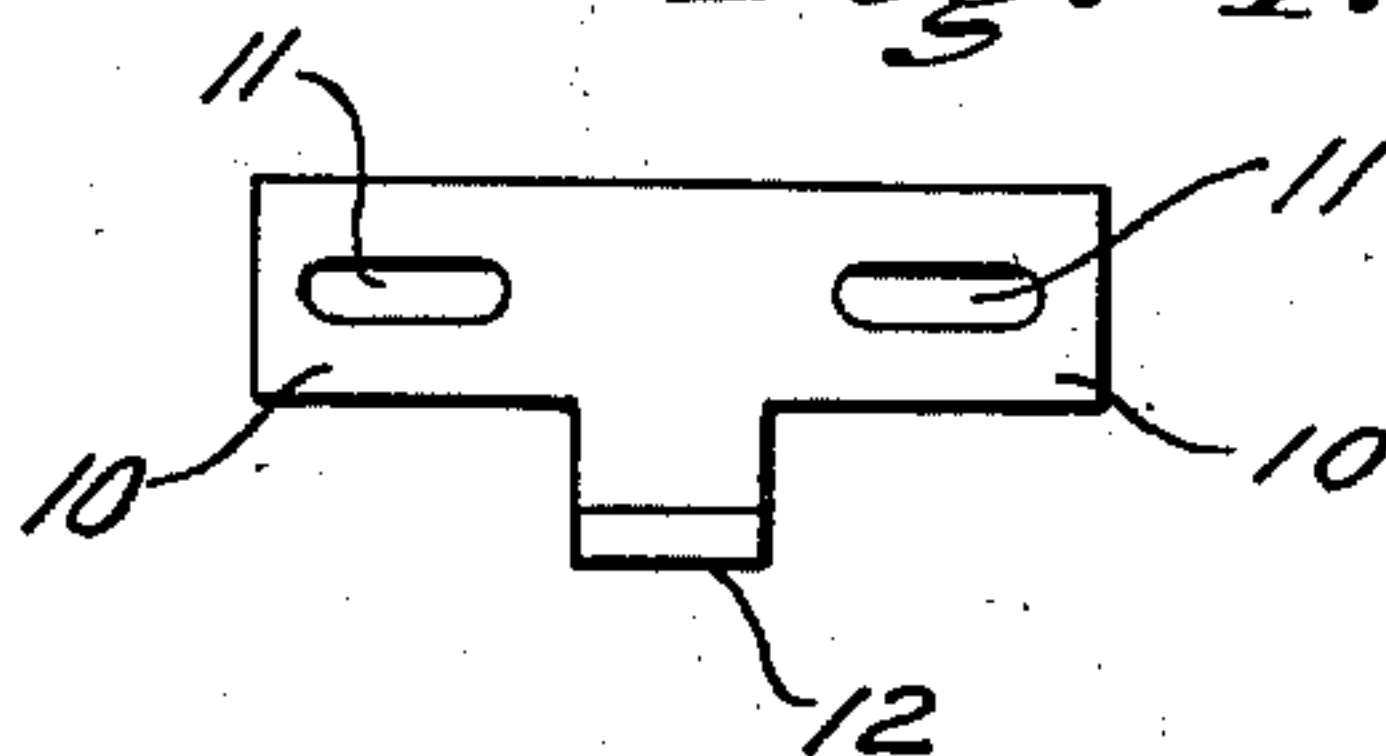


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLARD J. OTT, OF CHICAGO, ILLINOIS, ASSIGNOR TO VENEER BARREL MACHINE CO., OF CHICAGO, ILLINOIS.

LINING-HOOP-NAILING HORSE.

SPECIFICATION forming part of Letters Patent No. 702,467, dated June 17, 1902.

Application filed March 21, 1902. Serial No. 99,325. (No model.)

To all whom it may concern:

Be it known that I, WILLARD J. OTT, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Lining-Hoop-Nailing Horses, of which the following is a specification.

The main object of my invention is to provide an improved form of lining-hoop-nailing horse which is provided with means for ready adjustment to suit barrels of different sizes. I accomplish this object by the device shown in the accompanying drawings, in which—

Figure 1 is a side elevation of a device constructed according to my invention. Fig. 2 is a section of the same along the line 2 2 of Fig. 1. Fig. 3 is an end elevation of the adjustable supporting means shown in Fig. 1. Fig. 4 is a top plan of the support shown in Fig. 3 with the upwardly-extending arms removed. Fig. 5 is a longitudinal section, partly broken away, of a cylindrical barrel, showing the position of the lining-hoop.

The device shown consists of an upright standard 1, having a broad base 3, adapted to be bolted to the floor and having bolted at its upper end a removable anvil 5. The anvil 5 is preferably made of cast-iron, with a facing 6 of harder material. The upper surface of the facing 6 of the anvil 5 is a segment of a cylinder having a horizontal axis. Anvils conforming to cylinders of different radius may be substituted for the anvil 5. A horizontally-disposed arm or rod 7 is rigidly secured to the standard 1. A collar 8 fits the rod 7 and is secured thereto by means of a set-screw 9. The upper side of the collar 8 is provided with two flanges 10, extending transversely of the rod 7 and provided with slots 11. The collar 8 is also provided with an upwardly-extending lug or stop 12. The angle-pieces 13 are bolted to the flanges 10 at the slots 11, and thus form upwardly-disposed lateral arms, which are adjustable toward and from each other.

The device shown is particularly adapted for inserting lining-hoops 14, such as are ordinarily used for securing in place the heads 15 to a cylindrical barrel or package 16, a fragment of which is shown in Fig. 5.

The operation of the device shown is as follows: When lining-hoops are to be inserted into a barrel of a certain size, an anvil of cor-

responding curvature is bolted to the standard 1 and the collar 8 is moved along the rod 7 and clamped into such position that when the base of a barrel bears against the lug 12 its head will be in such position that the anvil 6 will clench nails which are driven into the lining-hoop 14. The arms 13 are adjusted along the slots 11 until they bear upon the periphery of a barrel of the desired size. Barrels of different sizes can generally be nailed on the same anvil; but when the device is to be readjusted to barrels having a radically different curvature it is preferable to substitute for the anvil 5 another whose curvature more nearly agrees with that of the barrel. When adjustment is made for different-sized barrels, it is simply necessary to substitute the proper anvil 5 and adjust the support 8 to suit the change of curvature.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a lining-hoop-nailing horse, the combination of an anvil having a curved upper surface, and having an arm extending rearwardly below said surface and parallel with the axis thereof; and a support mounted on said arm and adjustable along same toward and from said anvil; said support having on its rear part an upwardly-extending stop for the rear end of a barrel, and having a pair of upwardly-disposed lateral arms adjustable toward and from each other for bearing against the periphery of the barrel.

2. In a lining-hoop-nailing horse, the combination of an anvil having a curved upper surface, and having a rod extending rearwardly below said surface and parallel with the axis thereof; and a collar mounted on said rod adjustable longitudinally thereof, having at its rear part an upwardly-extending stop for the rear end of a barrel and having at its upper part a pair of opposite lateral members and an upwardly and outwardly inclined arm movably mounted on each of said lateral members; said inclined arms being adjustable toward and from each other for bearing against the periphery of the barrel.

Signed at Chicago this 19th day of March, 1902.

WILLARD J. OTT.

Witnesses:

EUGENE A. RUMMLER,
WM. R. RUMMLER.