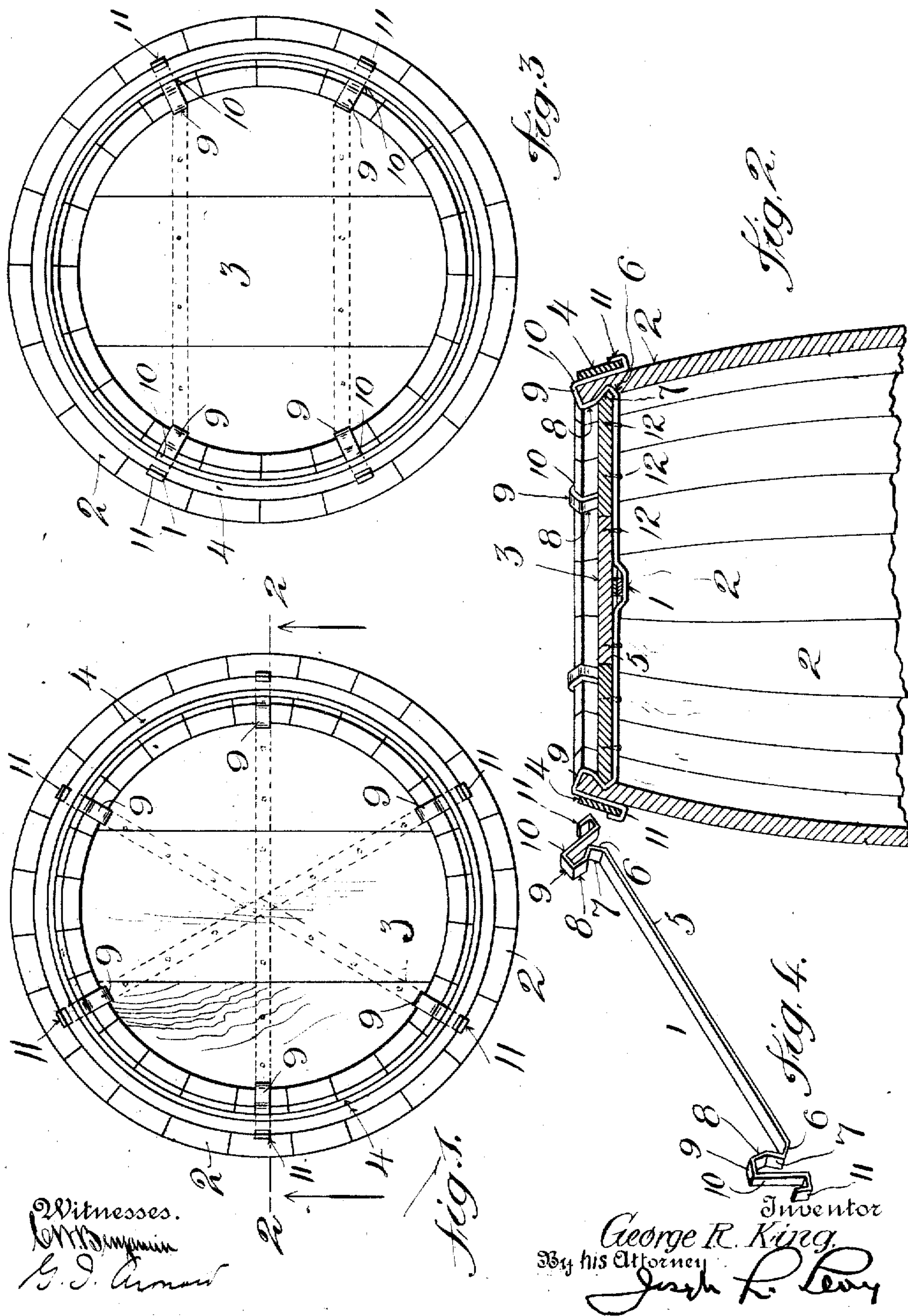


G. R. KING.
 BARREL FASTENER.
 APPLICATION FILED OCT. 7, 1908.

922,292.

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UNITED STATES PATENT OFFICE.

GEORGE R. KING, OF NEW YORK, N. Y., ASSIGNOR TO J. B. KING & CO., A CORPORATION OF NEW YORK.

BARREL-FASTENER.

No. 922,292.

Specification of Letters Patent.

Patented May 18, 1909.

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To all whom it may concern:

Be it known that I, GEORGE R. KING, a citizen of the United States, and a resident of the city of New York, county of Richmond, and State of New York, have invented a new and useful Improvement in Barrel-Fasteners, of which the following is a specification.

The object of my invention is to provide a means for more securely fastening heads in barrels; and it consists in a fastener which will secure the head to the nearest hoop in such a manner that the head cannot be removed without first removing the hoop. This object is accomplished by my invention, certain embodiments of which will be described below.

For a more particular description of my invention, reference is to be had to the accompanying drawings, forming a part thereof, in which,

Figure 1 is a plan view of a barrel provided with my improvement. Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1, looking in the direction of the arrows. Fig. 3 is a plan view of a modification. Fig. 4 is a perspective view of a fastener.

Throughout the various views of the drawings, similar reference characters designate similar parts.

My improved fastener 1 may be applied to any suitable barrel 2, with a head 3 and a hoop 4 adjacent to said head.

In the illustrated embodiment of my invention, the fastener 1 consists of a metal band having a flat portion 5 and anchoring ends. The ends are formed by bending the band upwardly and outwardly as at 6, then upwardly and inwardly at 7 so as to fit snug against the head 3 and thence upwardly at a less acute angle to form parts 8 which run against the interior of the staves and from thence outwardly to form a part 9 adapted to fit against the ends of the staves and thence downwardly and outwardly to form a portion 10 which is adapted to lie between the staves of the barrel and the hoops 1 and at their lower ends the parts 10 are provided with

hooks 11 which are adapted to engage the hoop 4 as shown. These anchoring ends may be otherwise conformed to meet the requirements of special constructions of barrel heads.

The fasteners 1 may extend diametrically across the head as shown in Figs. 1 and 2, the centers being suitably off set, when necessary, to permit crossing as shown in Fig. 2, or the fasteners 1 may be placed as cords, as shown in Fig. 3. In either instance they are secured to the head 3 by means of suitable nails or screws 12.

When my improved fastener is used, the barrel head 3 is inserted in the barrel 2 in the conventional manner, and then the ends of the fasteners project and engage the staves of the barrel 2 as shown. The hoop 4 is then driven home and engages the parts 10 and the hooks 11 of the fasteners 1, thereby fixing the head in place subject to the removal of the hoop 4. The hoop 4 is then secured by nails, or other suitable means, not shown. When the head 3 is to be removed, the reverse operation takes place, that is, the hoop 4 is first removed and then the head 3 may be withdrawn as usual.

While I have shown and described various embodiments of my invention, it is obvious that it is not restricted thereto, but is broad enough to cover all structures that come within the scope of the annexed claim.

What I claim is:

In a device of the class described, a head and a band secured to the under face thereof and insertible and removable therewith, said band having adjacent its ends integral therewith oppositely inclined portions to engage the chime of a barrel and inclined portions to receive and embrace the inner and outer faces and ends of staves and hook terminals to receive and embrace a hoop.

GEO. R. KING.

Witnesses:

JOHN COSTELLO,
EDWARD D. KING.