

I. FRANCIS.
BARREL HEAD.

APPLICATION FILED JULY 20, 1908.

916,854.

Patented Mar. 30, 1909.

Fig. 1.

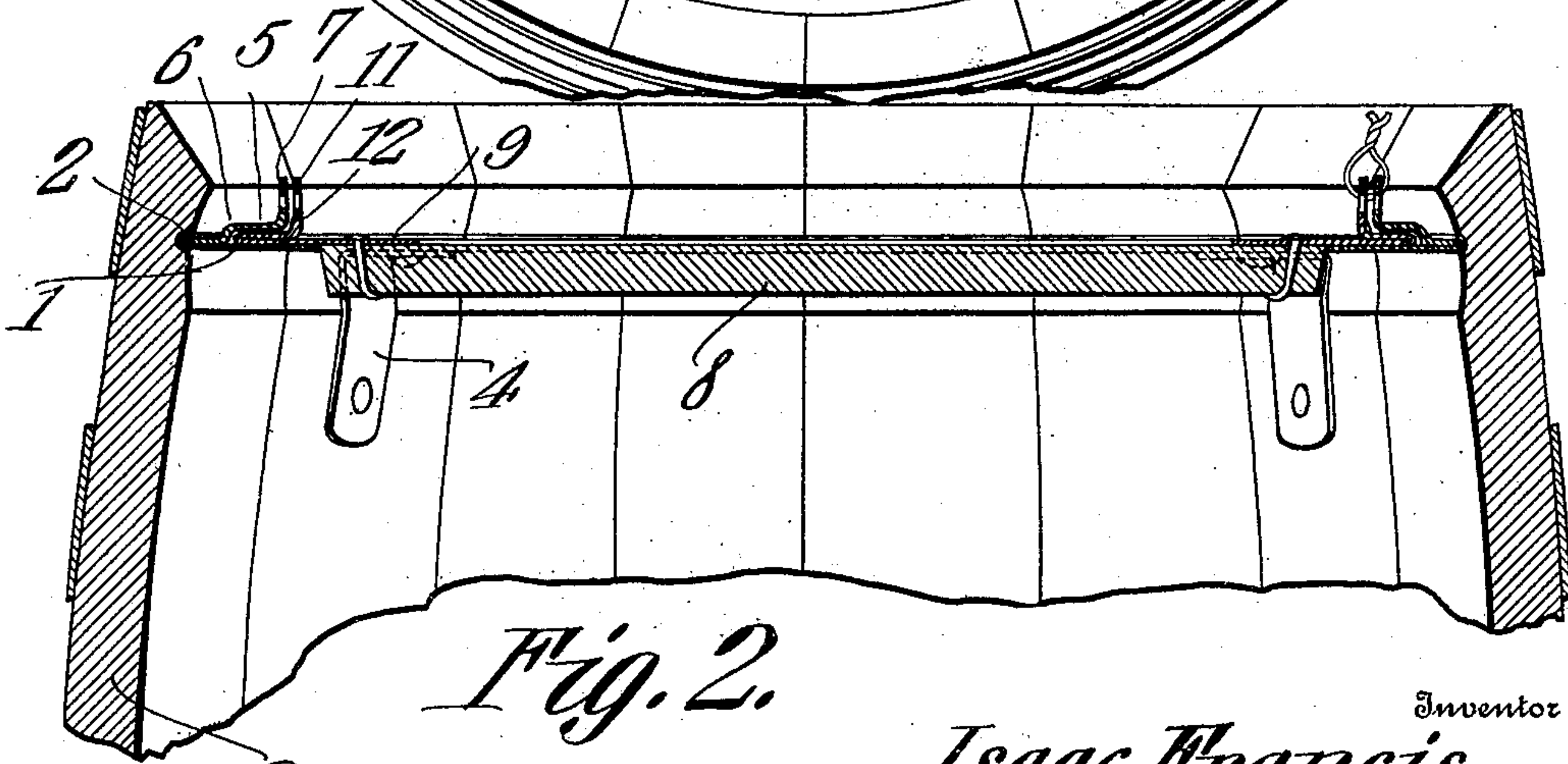
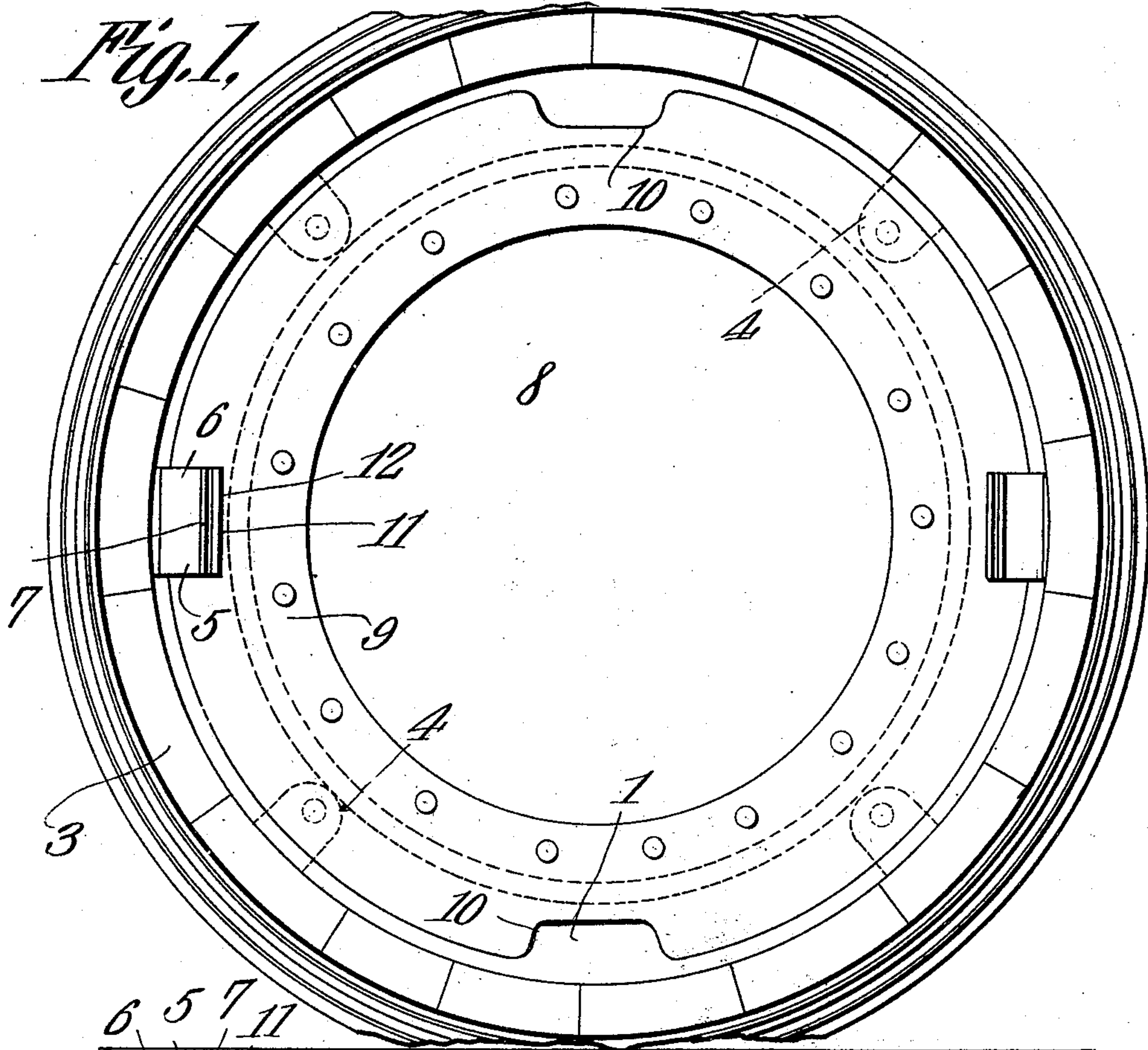


Fig. 2.

Witnesses

E. J. Francis
E. Francis

Inventor

Isaac Francis.

By

C. A. Snowles,
Attorneys

UNITED STATES PATENT OFFICE.

ISAAC FRANCIS, OF FREMONT, NEBRASKA.

BARREL-HEAD.

No. 916,854.

Specification of Letters Patent.

Patented March 30, 1909.

Application filed July 20, 1908. Serial No. 444,412.

To all whom it may concern:

Be it known that I, ISAAC FRANCIS, a citizen of the United States, residing at Fremont, in the county of Dodge and State of Nebraska, have invented a new and useful Barrel-Head, of which the following is a specification.

This invention relates to barrel heads and it consists in the novel construction and arrangement of all its parts, as hereinafter shown and described.

The object of this invention is to provide a barrel head of simple construction, and which is especially adapted to be used on barrels which contain bottled goods.

The device consists primarily of an annular ring which is adapted to fit snugly within the croze groove of the barrel and which is provided with clips for securing the same to the inner sides of the barrel staves. The said ring is provided with upstanding lugs which are bent from the metal at its outer edge, and which are disposed over the upper portion of the ring and have vertically extending extremities. The head proper consists of a disk which is adapted to fit snugly within the aforesaid ring, and which is provided with an annular ring which forms a flange. The said flange ring is provided on its sides with recesses which are adapted to receive the lugs located upon the first said ring. The ring attached to the disk is provided with lugs which are bent up from the metal at its edge and which also are provided with upstanding extremities. The lugs upon the ring mounted upon the disk are adapted to come in register with the lugs carried by the ring located in the croze groove, and the bail of a lock or seal or other securing device may pass through registering perforations in the said lugs. By providing a barrel head as above described, it will be seen that in order to remove the same it is not necessary to use tools or implements: that the head may be readily withdrawn without injury to the body of the barrel. Furthermore, should the barrel become unfit for use for any reason the head may be removed and fitted in another barrel.

In the accompanying drawing:—Figure 1 is a plan view of the barrel head, and Fig. 2 is a sectional view of the same.

The barrel head consists of annular ring

1, which is adapted to fit snugly within the croze groove 2 of the barrel 3. The clips 4 are attached to the under side of the ring 1 and are adapted to be secured in the inner side of the staves composing the barrel 3. The lugs 5 are formed at the outer edges of the ring and are bent back over the ring and spaced from the same as at 6, and terminate in the upstanding extremities 7.

The head proper consists of the circular disk 8, which is adapted to fit snugly in the ring 1. The annular ring 9 is attached to the upper side of the disk 8, and projects beyond the edge thereof and forms a flange. The said ring 9 is adapted to lie upon the upper surface of the ring 1 and the ring 9 is provided at opposite sides and in its edges with the recesses 10 through which the lugs 5 are adapted to pass when the ring 9 is seated upon the upper surface of the ring 1. After the ring 9 is in position upon the ring 1 as above described the said ring 9 and the disk 8, are turned so that the edge of the ring 9 is carried under the portion of the fixed lugs 5 and the ring 9 is provided with the upstanding lugs 11 which are formed from the metal at the edge of the ring and which terminate in the upstanding portions 12 which are adapted to register with the upstanding portions of the lugs 5. The upstanding portions of the said lugs are perforated, and said perforations may receive the bail of a lock or seal or other securing device.

From the foregoing description, it is obvious that a barrel head of simple construction is provided and that the parts when assembled are securely held in their proper position and that the head may be easily and readily removed from the barrel without the use of tools or implements and without damage to the body of the barrel. It will also be seen that should the barrel for any reason, become unserviceable, the head together with the supporting rings located within the croze groove, may be removed and placed in another barrel. By reason of the fact that the rings only of the structure are composed of metal and the disk which forms a portion of the barrel head proper is preferably of wood, the structure is light, and inasmuch as the inner portion of the outer surface of the disk forming the head proper is exposed it may be stenciled or otherwise suitably labeled.

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

1. A barrel head comprising an annular ring adapted to be fitted within the croze groove of the barrel and having upstanding lugs, a head proper comprising an annular disk adapted to fit snugly within the said ring and having at its edge an annular ring which forms an outstanding flange adapted to rest upon the first said ring and lugs carried by the last said ring and adapted to register with the lugs of the first said ring.

2. A barrel head comprising an annular ring adapted to fit in the croze groove of a barrel and having upstanding flanges, a head proper consisting of an annular disk adapted to fit snugly in the first said ring, an annular ring attached to the said disk and projecting beyond the edge thereof and forming a flange adapted to rest upon the first said ring, the last said ring having recesses for the reception of the lugs upon the first said ring, the last said ring also having lugs adapted to register with the first said lugs.

3. A barrel head comprising an annular

ring adapted to fit in the croze groove of a barrel, said ring being formed of metal and having lugs bent back at its outer edge and extending over the body of the ring and being spaced from the ring and terminating in upstanding extremities, a head proper consisting of an annular disk adapted to fit snugly within the first said ring and having attached to its upper side an annular ring which projects at its edges beyond the edge of the disk, the said ring upon the disk being provided at its opposite sides with recesses through which the lugs mounted upon the first ring are adapted to pass, the ring upon the disk being provided at its outer edge with lugs which are formed of the metal bent back upon itself and terminating in upstanding extremities, the extremities of the lugs upon both of the said rings being perforated.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ISAAC FRANCIS.

Witnesses:

JOHN GUMB,
H. BECKMAN.