

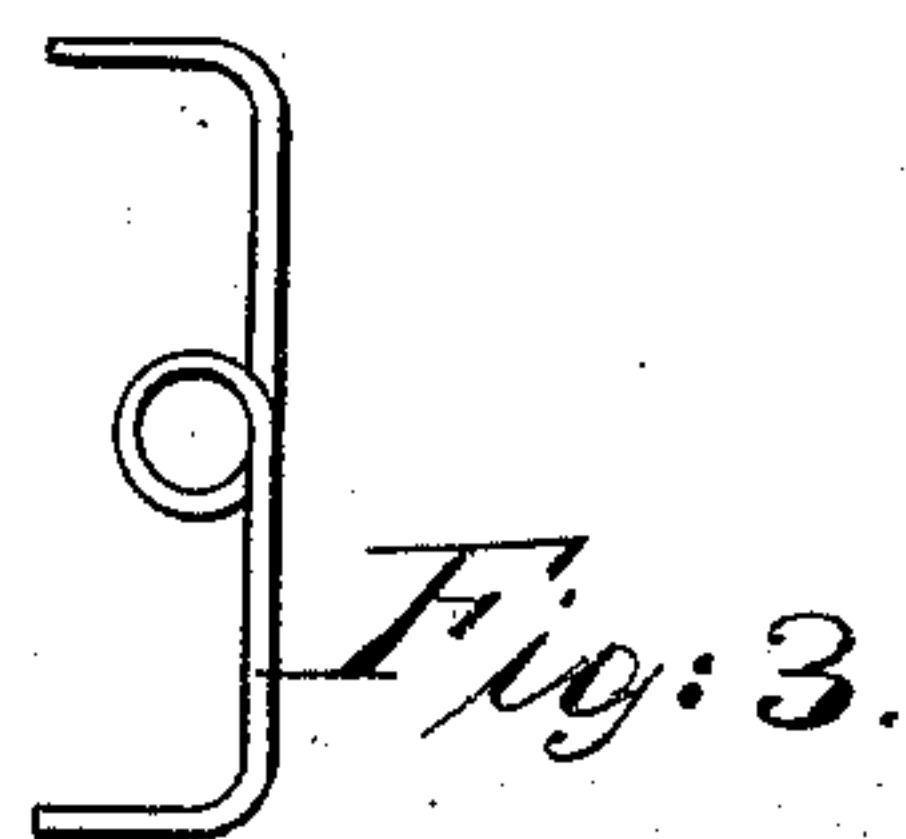
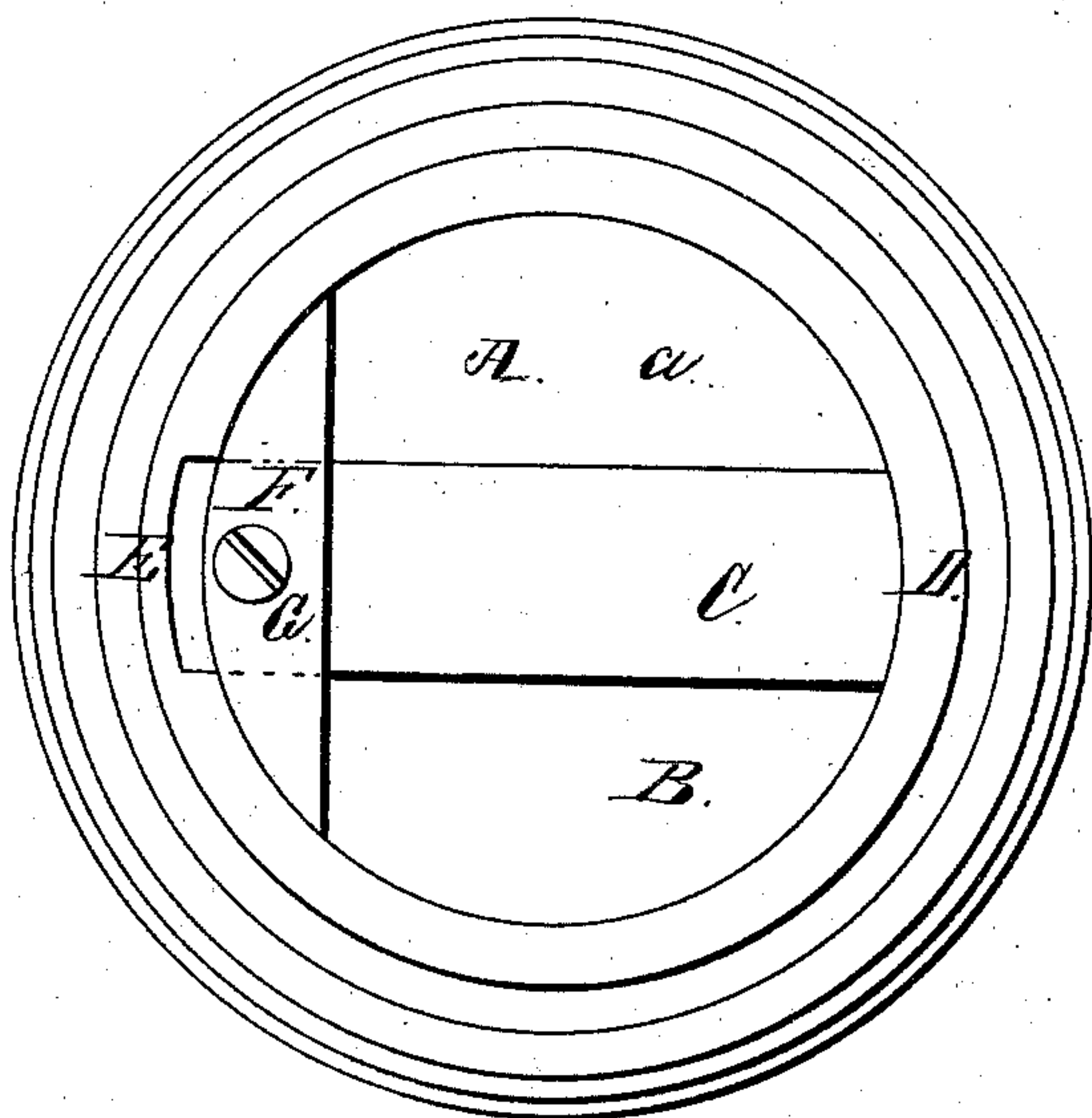
*A. C. Yanger,*

*Barrel Head.*

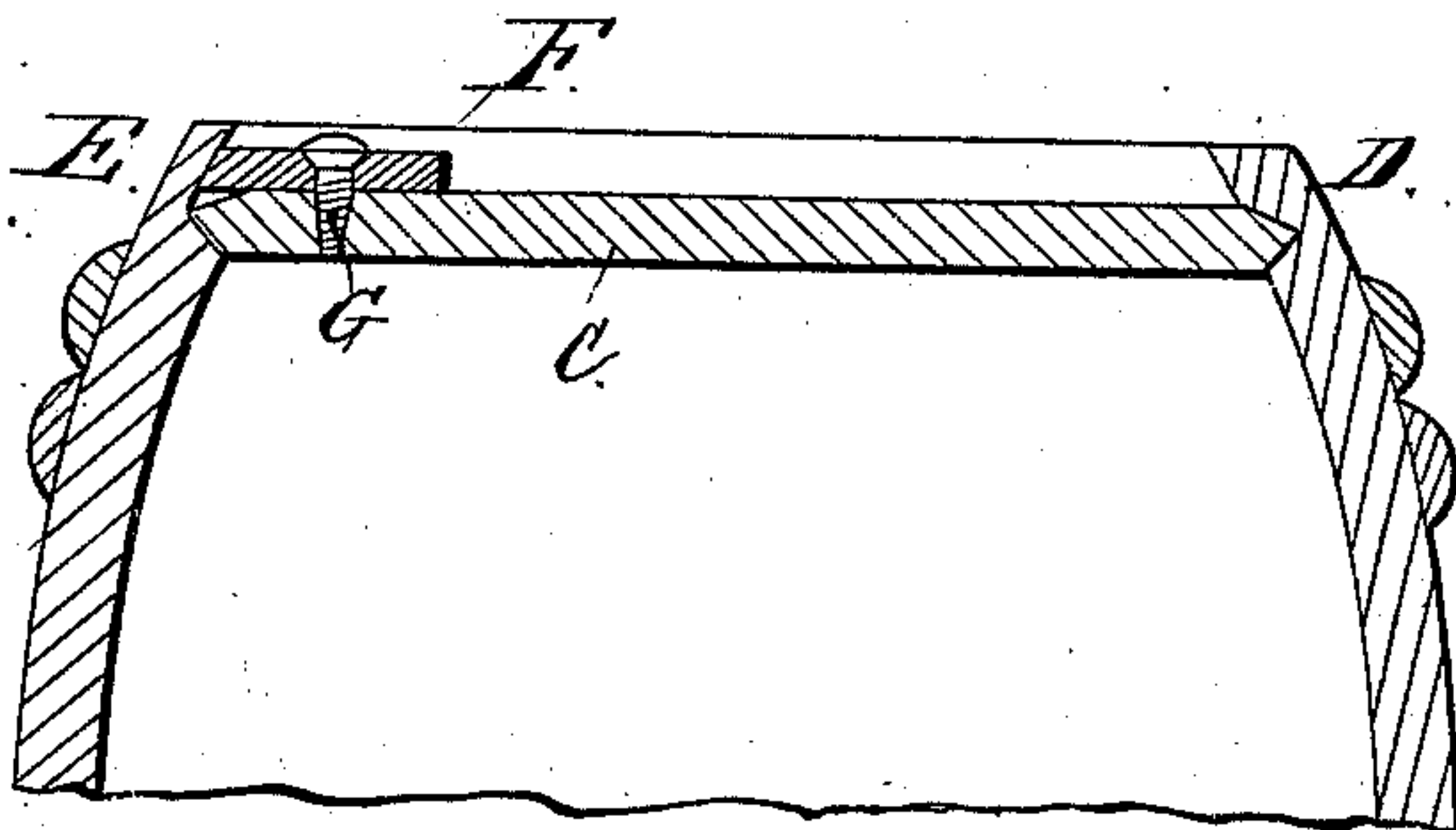
*N<sup>o</sup> 80,582*

*Patented Aug. 4, 1868.*

*Fig. 1.*



*Fig. 3.*



*Fig. 2.*

*Witnesses:*

*Boace Harris*  
*S. W. Clark*

*Inventor:*

*Andrew C. Yanger*

# United States Patent Office.

ANDREW C. YAWGER, OF NEWARK, NEW JERSEY.

*Letters Patent No. 80,582, dated August 4, 1868.*

## IMPROVEMENT IN ADJUSTABLE BARREL-HEADS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, ANDREW C. YAWGER, of Newark, in the county of Essex, and State of New Jersey, have invented an Improved Removable Barrel-Head; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in the mode employed of putting the centre-piece of a barrel-head in its place, and of removing it when required, without injuring any part of the head, and without disturbing the hoops.

One end of the piece C is put in its place in the croze of the stave D, the other end is then pressed down between the pieces A B, a part of the stave E having been cut away above the croze, to allow it to come down upon the shoulder formed by the lower side of the croze. Then, by a simple device, the piece C is held in its place, or may be readily removed. One way of securing this piece is by a small plate, F, of wood or metal, crowded against the chime in a prepared croze, covering the end of the piece C, and extending on to the pieces A B. This plate is held by one or more screws firmly in its position.

Other modes of fastening this piece C will be readily suggested. One is by a piece of iron or wire, bent so that the two ends shall pass into the staves, over the pieces A B, and made fast to the head by one or more screws, as in the case of the plate F.

I do not claim as new a movable strip to allow a barrel-head to be taken out or put in at pleasure; but

I claim the pieces A and B, when used in connection with piece C of a barrel-head, and held in place by means of piece F and screw G, all constructed and operating substantially as set forth.

A. C. YAWGER.

Witnesses:

HORACE HARRIS,  
R. B. YARD.