

G.W. Gilbert - Barrel Head.  
No 51260. Patented Nov. 28. 1865.

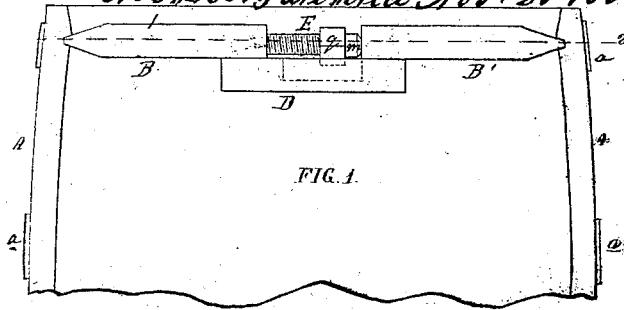


FIG. 2.

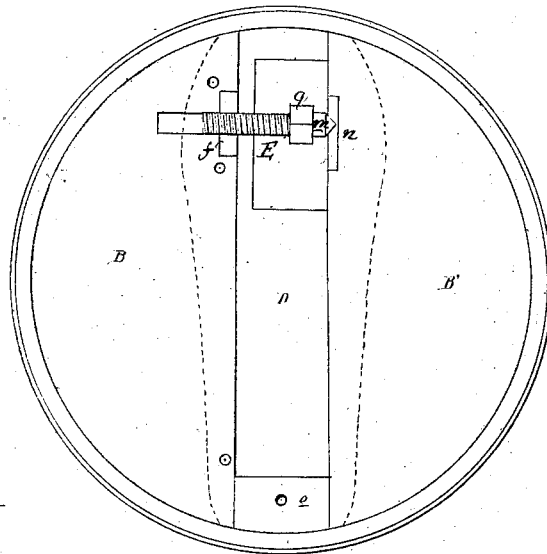
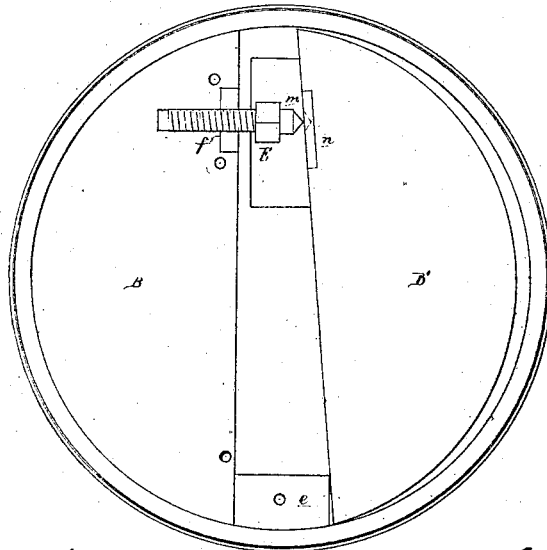


FIG. 3.



Witnesses { Wm. Albert Stear,  
John Parker.

G. W. Gilbert  
By his atty

# UNITED STATES PATENT OFFICE.

GEORGE W. GILBERT, OF RADNOR, ASSIGNOR TO HIMSELF, G. RIGHTER, JR.,  
AND J. B. MAXWELL, M. D., OF SPREAD EAGLE, PENNSYLVANIA.

## BARREL-HEAD.

Specification forming part of Letters Patent No. 51,260, dated November 28, 1865.

*To all whom it may concern:*

Be it known that I, G. W. GILBERT, of Radnor, Pennsylvania, have invented an Improved Barrel-Head; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists of a barrel-head constructed in the peculiar manner fully described hereinafter, so that it can be readily withdrawn from and readjusted to the barrel without removing the hoops from the latter.

In order to enable others to make and use my invention, I will now proceed to describe its construction and operation.

On reference to the accompanying drawing, which forms a part of this specification, Figure 1 is a sectional view of the upper portion of a barrel with my improved detachable head, and Figs. 2 and 3, sectional plan views.

A represents the upper portion of a barrel, consisting of staves confined by hoops *a*, as usual, and having in the inside a groove for the reception of the edge of the head.

My improved barrel-head consists of the three pieces B, B', and D, the former being sections of a disk and having edges adapted to the groove in the barrel, and the piece D being of the form or approximating to the form represented by dotted lines in Fig. 2.

The sections B B' are of such dimensions that when adjusted to their places there shall be a space between them, and this space is occupied by the piece D, which is secured to the section B, and which forms a ledge for supporting the straight edge of the loose section B'.

A block, *e*, secured to the piece D, serves to maintain the two sections a proper distance

apart at one end, and their distance apart at the other end is determined by the set-screw E, the threads of which are adapted to the internal threads of a nut, *f*, which is let into and secured to the edge of the section B, the pointed end *m* of the set-screw fitting into a notch in a plate, *n*, let into the edge of the section B'.

By the application of a suitable instrument to a square collar, *q*, on the set-screw the latter can be turned at pleasure.

On turning the set-screw in one direction the section B' will be moved away from the section B, and consequently the two sections will be forced into the grooves of the barrel, and with the piece D will form a perfectly-secure head. When it is desired to remove the head from the barrel the set-screw is turned in an opposite direction, so that the section B' can be moved toward the section B, as seen in Fig. 3, when the entire head can be withdrawn.

My invention, although applicable to all barrels, is especially well adapted to such as contain flour, meal, &c., inasmuch as the head can be readily detached without the usual preliminary operation of removing the upper hoops of the barrel.

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

The within-described barrel-head, consisting of the pieces B, B', and D and set-screw E, the whole being constructed and adapted to a barrel, substantially as and for the purpose herein set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE W. GILBERT.

Witnesses:

CHARLES E. FOSTER,  
JOHN WHITE.