M. L. THOMPSON.

BARREL-HEAD.

No. 192,664. Patented July 3, 1877.

Fig. 2.

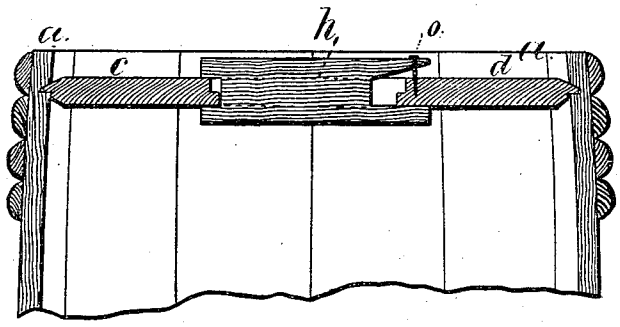
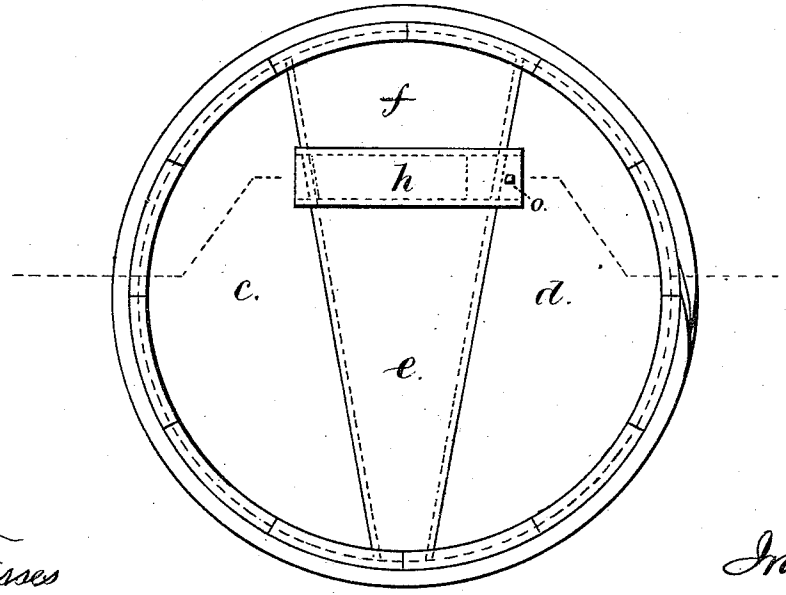


Fig. 1.



Witnesses

Chas. H. Smith

Geo. T. Pinckney

Inventor.

Merritt L. Thompson.

per Lemuel W. Serrell

atty.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MERRITT L. THOMPSON, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND JOHN P. RITTENHOUSE, OF FLEMINGTON, NEW JERSEY.

IMPROVEMENT IN BARREL-HEADS.

Specification forming part of Letters Patent No. **192,664**, dated July 3, 1877; application filed May 25, 1877.

To all whom it may concern:

Be it known that I, MERRITT L. THOMPSON, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Barrel-Heads, of which the following is a specification:

In Letters Patent Nos. 70,050 and 80,886, granted to me, the barrel-heads are shown as sections secured in place by blocking-pieces inserted between the sections.

My present invention is an improvement upon the same; and consists in wedge-acting sections that tighten up the parts of the head within the chine as the sections are driven together, and these are ultimately held in position by a blocking-piece somewhat similar to that shown in said Patent No. 70,050.

In the drawing, Figure 1 is a plan of the barrel-head, and Fig. 2 is a cross-section at the line *x x*.

The chine *a* of the barrel is channeled as usual, and the head is made of the four segments *c d e f*. The segments *c d* are similar in shape, and their straight edges have rabbets to receive corresponding reverse rabbets upon the pieces *e f*, and these pieces *e f* are sections of a wedge in shape, so that, when the sections *c d* are placed within the chine and the segment *f* placed at the widest part of the intermediate opening, the segment *e* can then be placed also between *c* and *d*, with its widest end near to the segment *f*, and then the segment *e* is to be driven endwise, to spread and tighten the other sections of the head within the barrel. The reverse movement allows the head to be removed without loosening the hoops; but to secure the parts when in use the blocking-piece *h* is introduced into the opening between the sections. This blocking-piece is slotted at the ends, and its outer surface is flanged so as to be wider than the opening between *e* and *f*, and the ends are notched and one of the notched ends is first inserted and the blocking-piece slipped endwise into place between *e* and *f*, then it is slipped back endwise, so that the notched ends hold beneath the sections *c d*, and thus it is held in its place, and serves also to hold the ends of *e f* down to the sections *c d*. A nail or tack at *o* prevents the return end movement of the blocking-piece.

I do not claim herein the tapering sections or the blocking-pieces, but by my construction of head it will be seen that the blocking-piece *h*, being notched at the ends, passes inside of the segments *c d* and receives its support from them, and that the flanged portions of this blocking-piece outside the ends of the sections *e f* hold them down into their places against the outward pressure of the contents of the barrel, thus furnishing a very secure but removable barrel-head.

I claim as my invention—

The combination, in a barrel-head, of the segments *c d*, with their edges rabbeted, the tapering sections *e f* of corresponding thickness, with rabbeted edges, and the blocking-piece *h*, flanged at its edges and slotted at the ends, substantially as set forth.

Signed by me this 21st day of May, A. D. 1877.

M. L. THOMPSON.

Witnesses:

GEO. T. PINCKNEY,

HAROLD SERRELL.