

G. M. Huntly,

Barrel.

No. 106,327.

Patented Aug. 30. 1870.

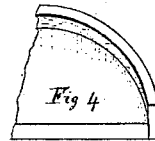


Fig 1.

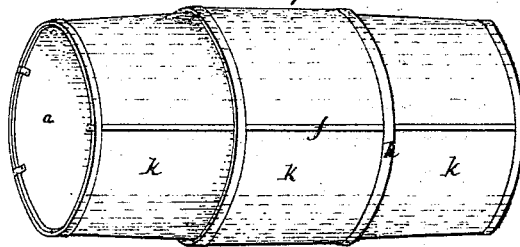


Fig 2.

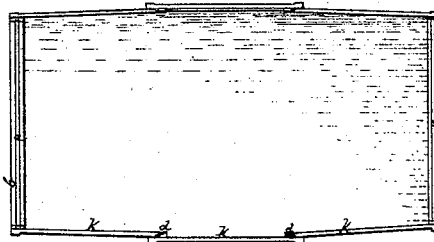
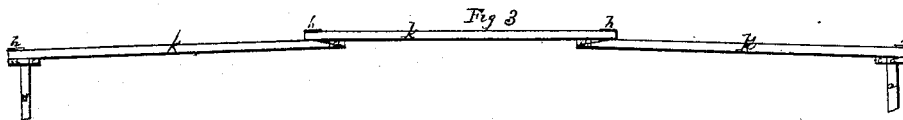


Fig 3.



Witnesses.

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GEORGE M. HUNTLY, OF GRAND RAPIDS, MICHIGAN.

Letters Patent No. 106,827, dated August 30, 1870.

IMPROVED BARREL.

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, GEORGE M. HUNTLY, of the city of Grand Rapids, county of Kent and State of Michigan, have invented a new and improved Mode of Manufacturing Barrels for the Packing of Dry Material; and I do hereby declare that the following is a true, full, and exact description thereof, reference being had to the accompanying drawing and to letters of reference marked thereon.

The nature of my invention consists in making barrels, and half and quarter barrels, and kegs and casks, for the purpose of packing dry material, with the ordinary bulge and chime of three wooden bands or sections, more or less, the middle of which bands or sections is larger than the end bands or sections, and all which sections are banded and hooped, as hereinafter described, with four hoops around the circumference of said barrel, and three strips of strap or hoop-iron outside of said bands or sections, running lengthwise of said barrel, and equidistant from each other, for the purpose of keeping said bands or sections together, and also for the purpose of confining and fastening the heads of said barrel in their proper places.

To enable others to make and use my invention, I proceed to describe its construction, and refer to the drawing.

Figure 1 is a view of a complete barrel, showing one of the three longitudinal iron strips, *f*, on the outside, but passing under the iron hoops as designed to be used.

Figure 2 is a longitudinal half section of the barrel, showing the manner of construction and insertion.

Figure 3 is an enlarged section of one side of said barrel.

K represents the three wooden bands or sections, the middle of which sections is enough larger than the end sections to admit the end sections within it

two inches, more or less, and at the point there is a hoop fastened to the inside of the middle section, as a stop to the end sections.

On the outside of the barrel, at equidistant points, are three pieces of band or hoop-iron, passing under the hoop, and lengthwise of the barrel, and three or four inches longer than the barrel itself, as shown in fig. 1, which are used for the purpose of holding the barrel together longitudinally.

Said strips, marked *f*, are fastened at each end by being bent over the chime, and nailed through the same, or to the head, as shown at fig. 1.

The heads of said barrel are made loosely fitting, of one or more pieces, and around the circumference thereof is a wooden hoop, to make a closely-fitting head, and fastened to said head, as shown at fig. 3, the upper edge of which hoop is flush and even with the chime of said barrel, and, when the head is inserted, forms a part of such chime.

On the outside of the barrel, on the ends of the middle sections, and on the chime ends of the end sections, are strong hoops, of wood, or of band or hoop-iron, for the purpose of strengthening said sections, and holding the same in shape.

Claim.

What I claim as my improvement in dry barrels made of three sections of bent timber is—

Confining the sections together by means of upright iron bands or straps, *f*, secured as shown, in combination with the head, constructed with its inside hoop *b* and flange *a* for its support, all as shown and described, for the purpose set forth.

GEORGE M. HUNTLY.

Witnesses:

SAMUEL D. CLAY,
ALBERT H. KIMBALL.