

(No Model.)

P. J. BATCHELOR.
CHINE STRENGTHENER FOR KEGS.

No. 458,935.

Patented Sept. 1, 1891.

Fig. I.

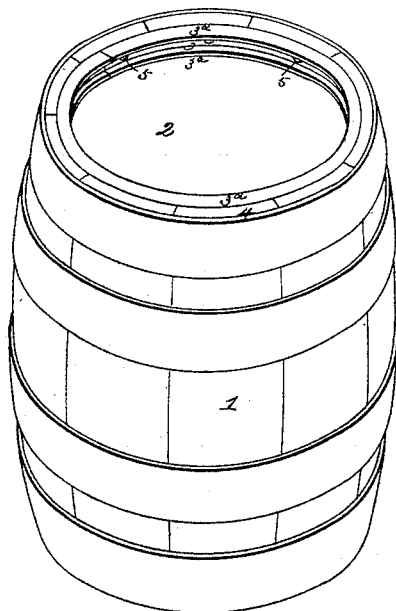


Fig. II.

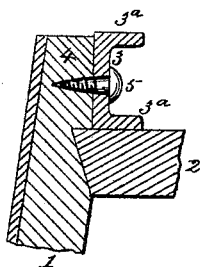


Fig. III.

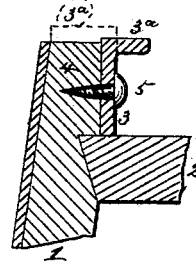
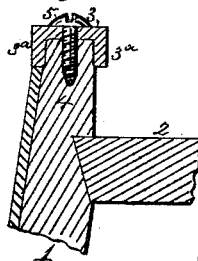


Fig. IV.



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PRENTISS J. BATCHELOR, OF ST. LOUIS, MISSOURI.

CHINE-STRENGTHENER FOR KEGS.

SPECIFICATION forming part of Letters Patent No. 458,935, dated September 1, 1891.

Application filed March 9, 1891. Serial No. 384,315. (No model.)

To all whom it may concern:

Be it known that I, PRENTISS J. BATCHELOR, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Chine-Strengtheners for Kegs, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a device for strengthening the chines of beer and other kegs, barrels and casks, by means of which the chines are prevented from breaking when they fall on a hard substance; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a perspective view of a keg, showing my improved device attached thereto. Fig. II is a detail vertical section. Figs. III and IV are detail vertical sections showing modifications.

In the drawings, 1 represents a keg having an ordinary head 2.

3 represents an annular metal channel bar or ring that fits within the chine 4 and against the head 2 of the keg, which ring may be secured in position in any suitable manner. I have shown it secured by screws 5.

Beer kegs and barrels are often rendered worthless by violent concussion against the pavement when filled, a part of the chine being broken by the concussion. By means of a strengthening-ring made as above described the chines of a keg are greatly strengthened, and will not break by any ordinary treatment.

In the modification shown in full lines, Fig.

III, the ring is formed of angle-iron, the outer flange 3^a extending toward the center of the head 2. The flange may, however, fit over the ends of the chine, as shown in dotted lines in the same figure.

In the modification shown in Fig. IV I have shown the channel-bar ring fitting over the chine and the flanges 3^a extending inward toward the center of the keg.

Another object of my invention is the material saving of wood in the making of staves. As made at present, the staves require to be very heavy at the ends to give them strength, while the inner part requires to be cut away in order that the stave may be easily bent into form. By the use of my invention the staves can be made of the reduced and uniform thickness throughout, and the wood that would be otherwise cut to waste and lost is thus saved.

I claim as my invention—

1. As a new article of manufacture, a chine-strengthener made from a bar bent into ring form and having a flange at top and bottom, both of which extend inwardly toward the center of the ring, substantially as set forth.

2. The combination, with a keg or barrel, of a chine-strengthener composed of a metal bar secured to the chine and having flanges at top and bottom, the bottom one of which rests on the head of the keg, and both flanges extending inwardly toward the center of the ring, substantially as set forth.

PRENTISS J. BATCHELOR.

In presence of—

E. S. KNIGHT,

A. M. EBERSOLE.