D. F. Fetter.

Barrel Bush.

No. 91,618. Patented Jun. 22, 1869.

Fig. 1.

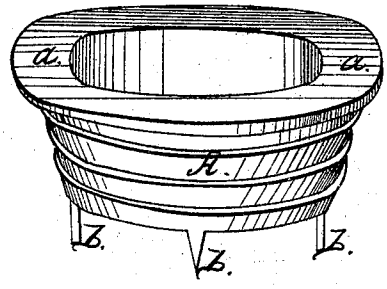
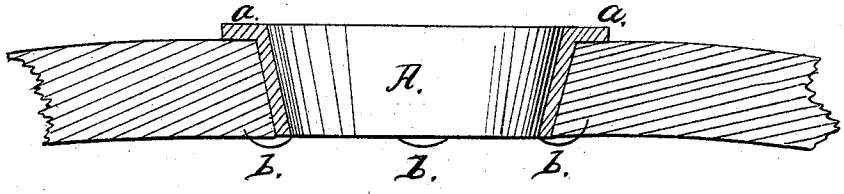


Fig. 2.



Witnesses.
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DAVID F. FETTER, OF NEW YORK, N. Y.

Letters Patent No. 91,618, *dated June* 22, 1869.

IMPROVEMENT IN BUSH FOR BARRELS, &c.

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, DAVID F. FETTER, of New York city, in the county and State of New York, have invented a new and improved Bush for Bungs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a perspective view of my improved bush.

Figure 2 is a vertical central section of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to provide a lining or bushing for the bungs of barrels, and for other purposes, in such manner that it can be readily applied and securely fastened, without injuring the wood or other material of which the barrel or other article is made.

The invention consists in forming, on the lower edge of the bush or lining, a series of projecting ears or lugs, which, when the bush is applied, are turned out to fit under the wood. The wood is thus held between the upper shoulder and the lower turned-out lugs of the bush, and the latter cannot be readily removed.

This fastening is far superior to all heretofore introduced, as it does not in the least injure the wood; while the devices now in use are fastened by driving nails or prongs into the wood, causing thereby frequent cracking of the wood, and consequent rapid destruction of the barrel or other article.

A, in the drawing, represents the lining or bush for bungs, and for lining other apertures. It is made of suitable form and size, with a projecting shoulder, *a*, on its upper edge, and with an indented or corrugated side, as in fig. 1, or smooth, as in fig. 2.

b b are a series of lugs or pins projecting from the lower end of the bush. They allow the same to be readily entered in the bung-hole, and are then turned out, as in fig. 2, to fit under the wood, or may even be pressed slightly into the same. It is evident that in this manner the bung is securely fastened, without any danger of injuring the wood.

I am aware of the patent granted to E. White and W. Shilvock, January 28, 1868, for an improved bushing for bung-holes, but I claim nothing therein shown as my invention.

I claim as new, and desire to secure by Letters Patent—

The bush or lining A *a*, provided at its lower edge with the downward-projecting lugs *b*, which are adapted to be bent outward against the inner surface of the stave, to retain the bushing in place, as herein shown and described.

The above specification of my invention signed by me, this 9th day of February, 1869.

D. F. FETTER.

Witnesses:

FRANK BLOCKLEY,

E. G. COLLINS.