

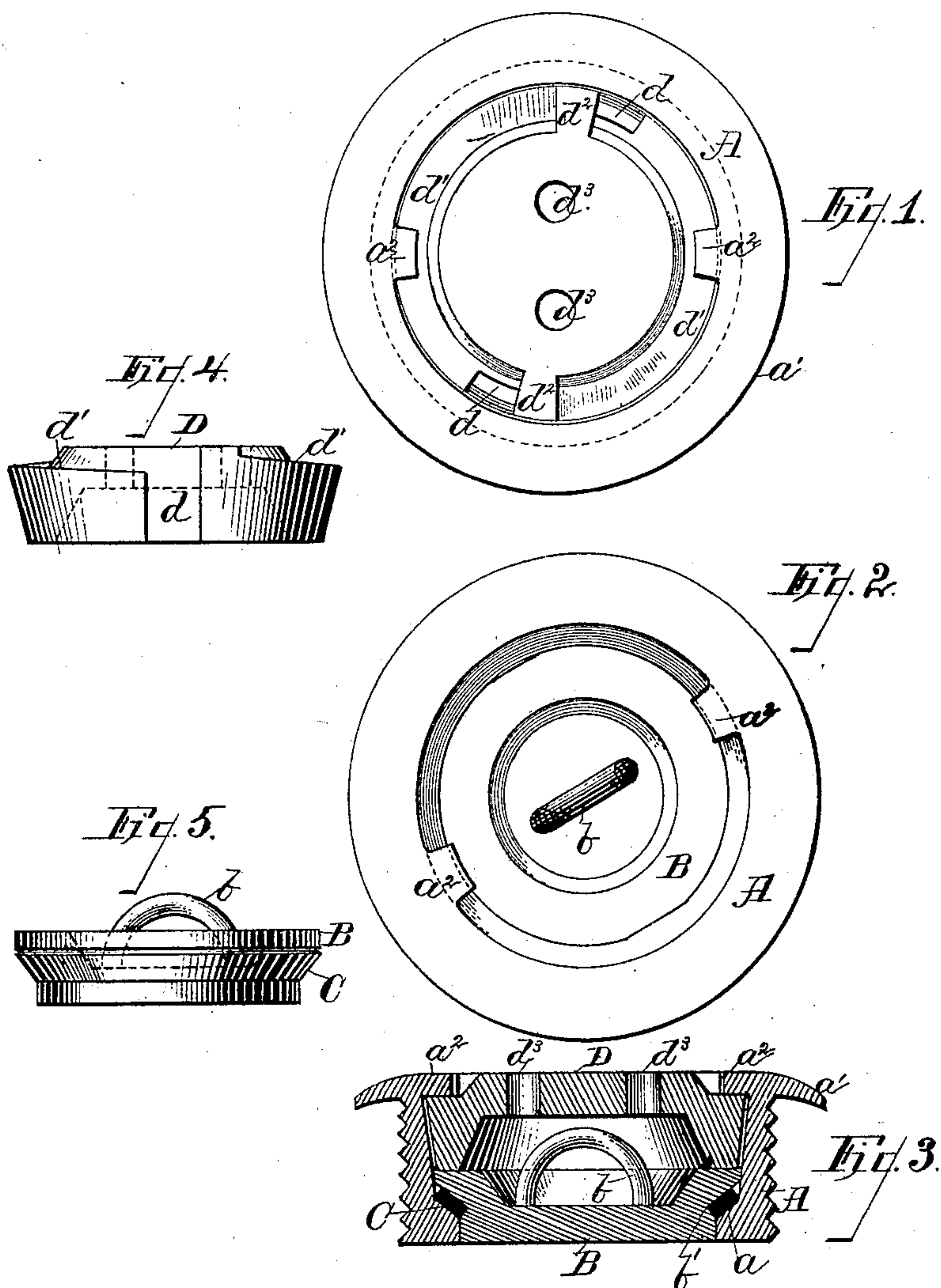
(No Model.)

P. MADLENER.

COMBINED BUNG AND BUSHING FOR BEER BARRELS.

No. 258,448.

Patented May 23, 1882.



Witnesses:

E. G. Asmus
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UNITED STATES PATENT OFFICE.

PHILIPP MADLENER, OF MILWAUKEE, WISCONSIN.

COMBINED BUNG AND BUSHING FOR BEER-BARRELS.

SPECIFICATION forming part of Letters Patent No. 258,448, dated May 23, 1882.

Application filed March 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, PHILIPP MADLENER, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a certain
5 new and useful Improvement in Combined Bung and Bushing for Beer-Barrels, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to a combined bung
10 and bushing for beer and other barrels, and will be more particularly described hereinafter.

In the drawings, Figure 1 is a plan view of my device. Fig. 2 is a like view with the locking-nut removed. Fig. 3 is a vertical cross-
15 section, and Figs. 4 and 5 are details.

A represents the bushing, constructed with exterior screw-thread, and having a lower interior circular inclined flange or bung-seat, *a*,
20 an upper outer circular projecting flange, *a'*, and upper inward projecting locking-lugs, *a*².

The bung proper, B, (shown in elevation in Fig. 5 and in plan and section in Figs. 2 and 3, respectively,) is preferably provided with a
25 handle, *b*, and is grooved at *b'* to receive a rubber packing-ring, C.

The locking-plug D, (shown in elevation in Fig. 4 and in plan and section in Figs. 1 and 3, respectively,) is provided with two vertical grooves, *d*, cutting into opposite sides of its inclined periphery, so that it may be
30 dropped to place on top of the bung B, the grooves *d* being necessary to enable it to pass the lugs *a*² on the bushing A. An inclined way, *d'*, leads up on each side from one wall of the grooves *d*, terminating in a stop, *d*², as shown, and the plug is provided with two
35 holes, *d*³ *d*³, so as to enable it to be readily turned in either direction by the prongs of a
40 wrench in the ordinary manner.

The operation of my device is obvious from

the foregoing description of its construction. The bushing A is screwed into the barrel, the upper outer flange, *a'*, of the bushing being forced tightly down against and into the wood, 45 thereby insuring a tight joint. Now, to close the bung-hole the bung B, with its rubber packing-ring C attached, is dropped onto the bung-seat *a*, and then the locking-plug D is placed on top of the bung and given a half- 50 turn, which forces the plug under the locking-lugs *a*² as far as the increasing height of the inclined ways *d'* on the upper edges of the plug will permit, thus securely locking the whole device together and closing the barrel. 55 The least turn of the wrench in the opposite direction loosens the plug, and a farther turn brings the grooves *d* in line with the lugs *a*², when the plug can be lifted out by the wrench, 60 and the bung beneath easily removed by means of its handle whenever it is desired to open the barrel.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is— 65

The combination of the bushing A, having locking-lugs *a*², with the bung B, provided with handle *b*, and the locking-plug D, provided with grooves and inclined ways for the lugs, and cut away centrally on its under side, 70 so as to leave space for the handle of the bung, and also a downward depending circular flange adapted to be interposed between the said bung and the locking-lugs on the bushing, as set forth. 75

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of March, 1882.

PHILIPP MADLENER.

Witnesses:

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