E. KAUFMANN.

BUSHING.

APPLICATION FILED OCT. 12, 1906.

923,273.

Patented June 1, 1909.

Fig. 1.

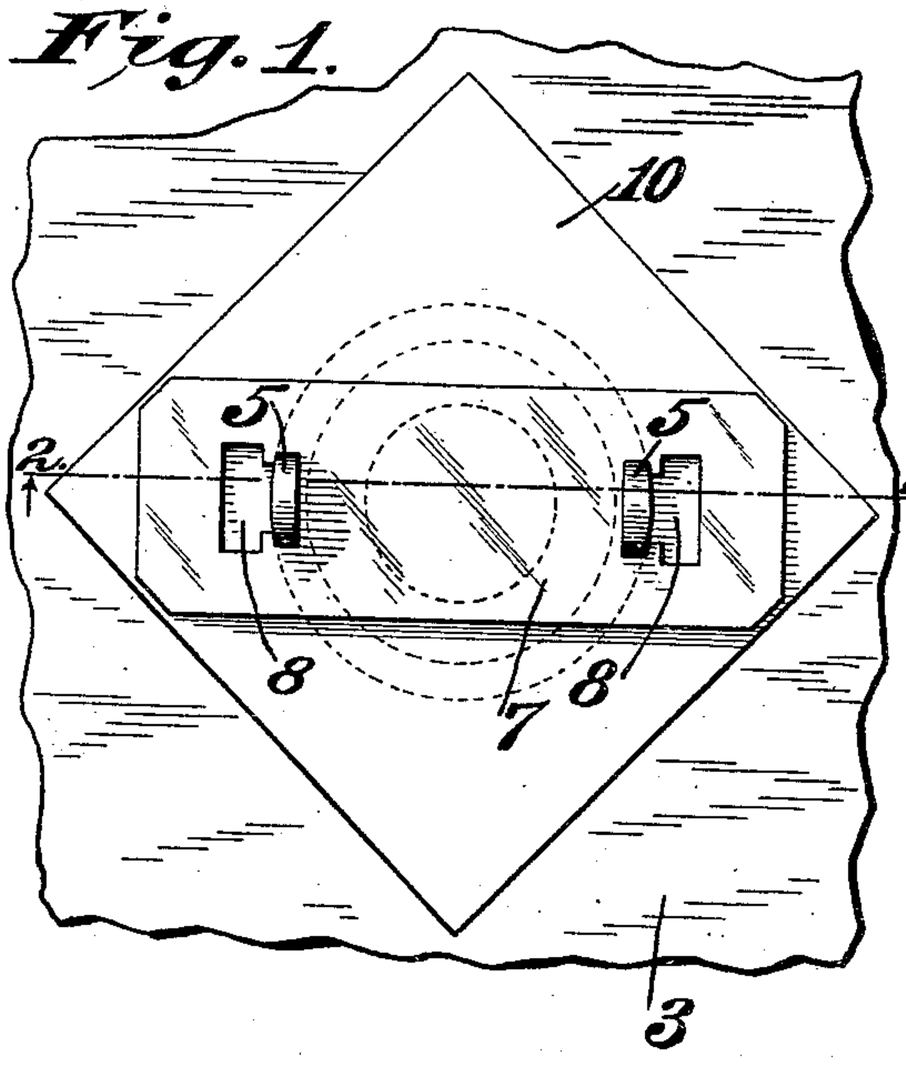

Fig. 2.

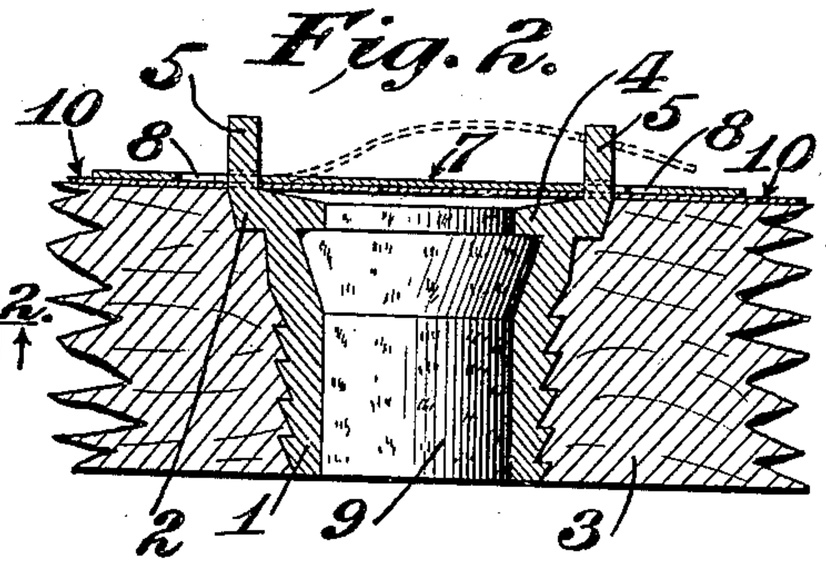

Fig. 3.

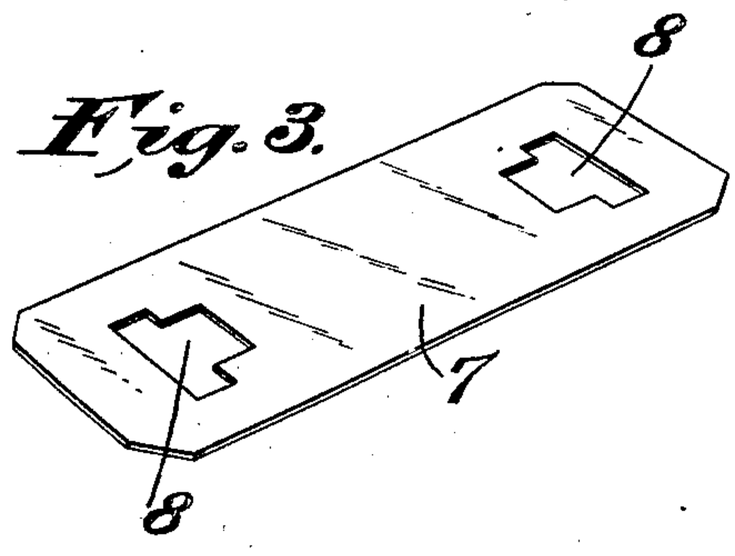

Fig. 4.

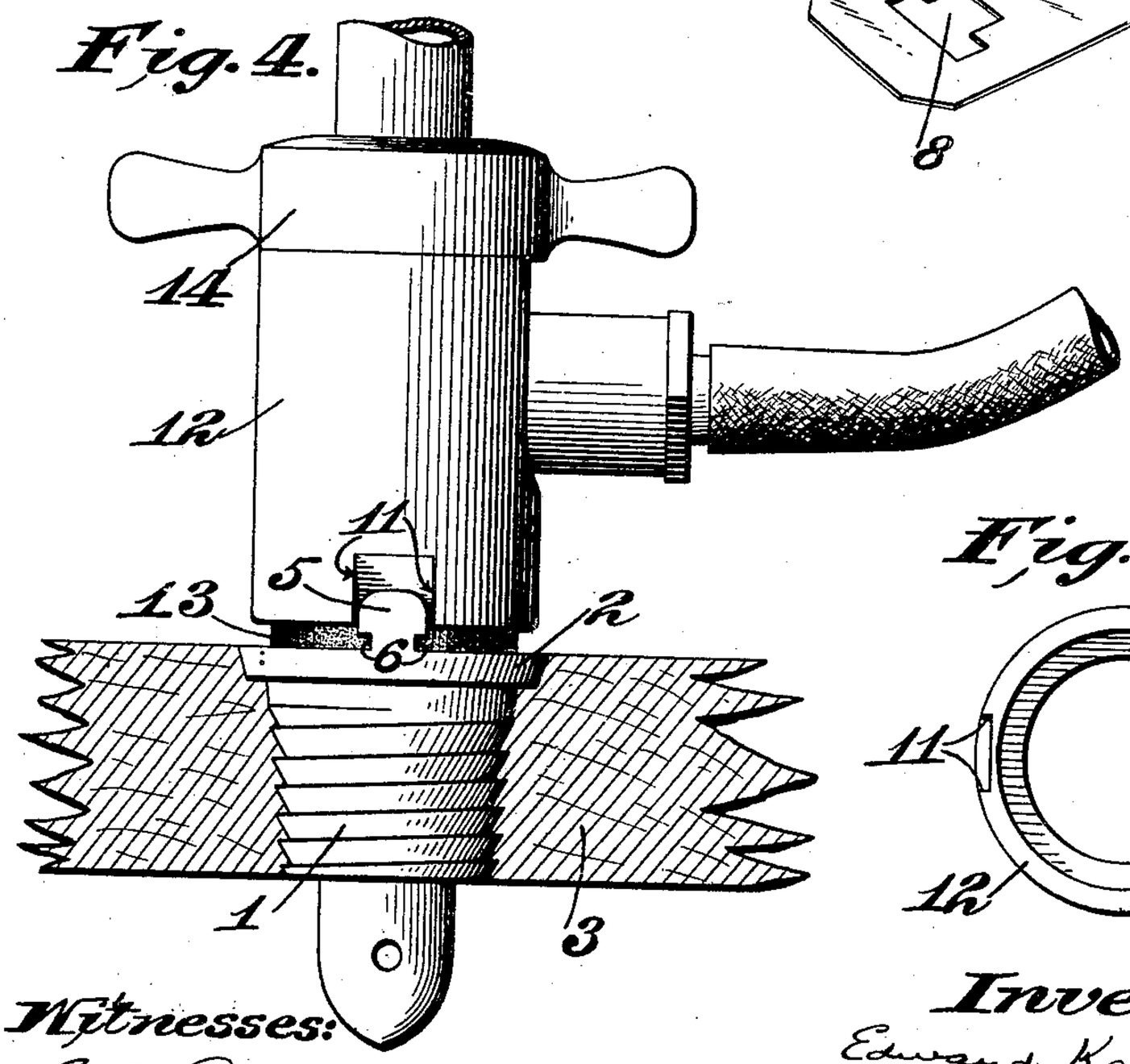

Fig. 5.

Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD KAUFMANN, OF ST. LOUIS, MISSOURI.

BUSHING.

No. 923,273. Specification of Letters Patent. Patented June 1, 1909.

Application filed October 12, 1906. Serial No. 338,568.

To all whom it may concern:

Be it known that I, EDWARD KAUFMANN, a citizen of the United States, and a resident of the city of St. Louis and State of Missouri, have invented a new and useful Improvement in Bushings, of which the following is a specification.

My invention relates to bungs for barrels, kegs and the like, and has for its principal objects to provide a simple and efficient device adapted to retain a revenue stamp or label in place over the bung; to provide a bung bushing with means constituting a part of the stamp retaining device; and adapted to facilitate the proper positioning of a tapping device; and to attain certain other advantages hereinafter more fully appearing.

The invention consists in the parts and in the arrangements and combinations of parts hereinafter described and claimed.

In the accompanying drawings, which form part of this specification and wherein like symbols refer to like parts wherever they occur, Figure 1 is a fragmentary view of a portion of a barrel head showing a representation of a revenue stamp or label affixed over the bung, and the securing device in position; Fig. 2 is a section taken on the line 2—2 of Fig. 1; Fig. 3 is a detail view of a preferred form of securing strip; Fig. 4 is a view showing the manner in which the holding means on the bung bushing is adapted to cooperate with the casing of a beer tap, to prevent rotation thereof, and, Fig. 5 is a bottom view of said casing showing the arrangement of shoulders.

My invention comprises an externally screw-threaded bung bushing 1 which is slightly tapered and provided with an external annular shoulder 2. This bushing is adapted to be inserted in a counter-sunk bung or tap hole in a barrel head 3, so that the outer end of the bushing will be flush with the outer face of said head. The bushing is counterbored to form an internal annular shoulder 4 at its outer end which is adapted to be engaged by the locking members of a beer-tap, such for instance as that shown in U. S. Letters Patent No. 808,341, granted to Manley J. Chaplin on December 26, 1905. On the outer end of the bushing 1 are lugs 5. These lugs are provided with notches 6 or grooves close to the bushing. A flexible, and preferably resilient plate or strip 7, having key slots 8 therein near its ends, is adapted to be interlocked with said lugs 5.

In practice, after the stopper 9 has been forced into the bushing as shown in Fig. 2, the stamp or label 10 is pasted over the stopper. The stamp being easily punctured by the lugs 5, can be made to lie flat against the head of the barrel. The plate 7 is then placed in position above the stamp and lies against it. Thus, if the paste should not adhere to the barrel, or if the stamp should become loosened therefrom in any manner, it will still be held in place by the lugs 5 and plate 7, until the plate is intentionally removed. The plate 7 can be conveniently and quickly applied by first placing the slotted portion at one end in engagement with one of the lugs 5 and then bending or buckling the plate, as shown in dotted lines in Fig. 2, until the slot at the other end can be passed over the opposite lug 5, whereupon the plate is pressed or sprung into the position shown in full lines in Figs. 1 and 2.

The plate 7 may be made of sheet metal, or any other suitable material, such as heavy oiled card board, may be employed to advantage. It is desirable that a material be used which can be readily removed, yet which possesses the necessary strength and quality of resisting the action of moisture. It is obvious that instead of forming the key slots 8 in the plate 7, said plate can be bifurcated or notched at its ends, and in other respects changed without in the least departing from the nature and spirit of the invention. Also, instead of providing the notches 6 at the sides of the lugs 5, grooves may be provided in the opposing faces of the lugs. Furthermore, instead of arranging said lugs at points diametrically opposite, as shown in the drawings, a plurality of lugs may be provided and differently arranged within the scope of the invention.

In attaching a tapping device to a bung bushing, especially a beer tap of the type disclosed in the Chaplin patent hereinbefore referred to, the casing must be held against turning while the locking is being effected, to insure a tight connection and to prevent undue wear of the packing ring or gasket. By providing shoulders 11 on the casing 12 the lugs 5 may be made to engage therewith when the tap is properly positioned so that its locking members can engage the internal annular shoulder 4 of the bushing. Thus the lugs can be made to facilitate the proper positioning of the tap prior to locking, as well as preventing rotation of the casing 12 and

packing ring 13 when the cap piece 14 is turned to effect the locking of the parts. The shoulders 11 on the casing 12 may be provided by cutting notches as shown in Figs. 4 and 5, or otherwise formed as desired.

What I claim as new and desire to secure by Letters Patent is:

1. A device for retaining revenue stamps on barrels comprising spaced lugs mounted at the sides of the bung hole and a plate adapted to be removably interlocked with said lugs, said plate being resilient so that it may be sprung into place over the stamp.

2. A device for retaining revenue stamps on barrels comprising spaced undercut lugs and a slotted plate adapted to be detachably interlocked with said undercut lugs.

3. A device for retaining revenue stamps on barrels comprising spaced undercut lugs mounted at the sides of the bung hole and a slotted plate adapted to be detachably interlocked with said undercut lugs, said plate being resilient so that it may be sprung into place.

4. A bung bushing having lugs projecting longitudinally beyond the end thereof, said lugs being adapted to coöperate with a beer tap and constitute means for coöperating with a stamp retaining member.

5. A bushing having longitudinally projecting undercut lugs arranged substantially as and for the purpose specified.

6. A device for retaining revenue stamps on barrels comprising a bung bushing adapted to coöperate with the stopper and having spaced longitudinally projecting undercut lugs thereon, and a stamp retaining member adapted to be detachably interlocked with said undercut lugs.

7. A device for retaining revenue stamps on barrels comprising a bung bushing adapted to coöperate with a stopper and having spaced longitudinally projecting lugs thereon, and a resilient stamp retaining member adapted to be detachably interlocked with said lugs, said member being resilient so that it may be sprung into place.

8. The combination with a barrel having a tap hole of a bushing in said tap hole, said bushing being adapted to receive a stopper and interlock with a tap and having lugs thereon adapted to facilitate the proper positioning of said tap relative thereto, and a stamp retaining member adapted to interlock with said lugs.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses this 8th day of October, 1906, at St. Louis, Missouri.

EDWARD KAUFMANN.

Witnesses:
J. B. MEGOWN,
G. A. PENNINGTON.