

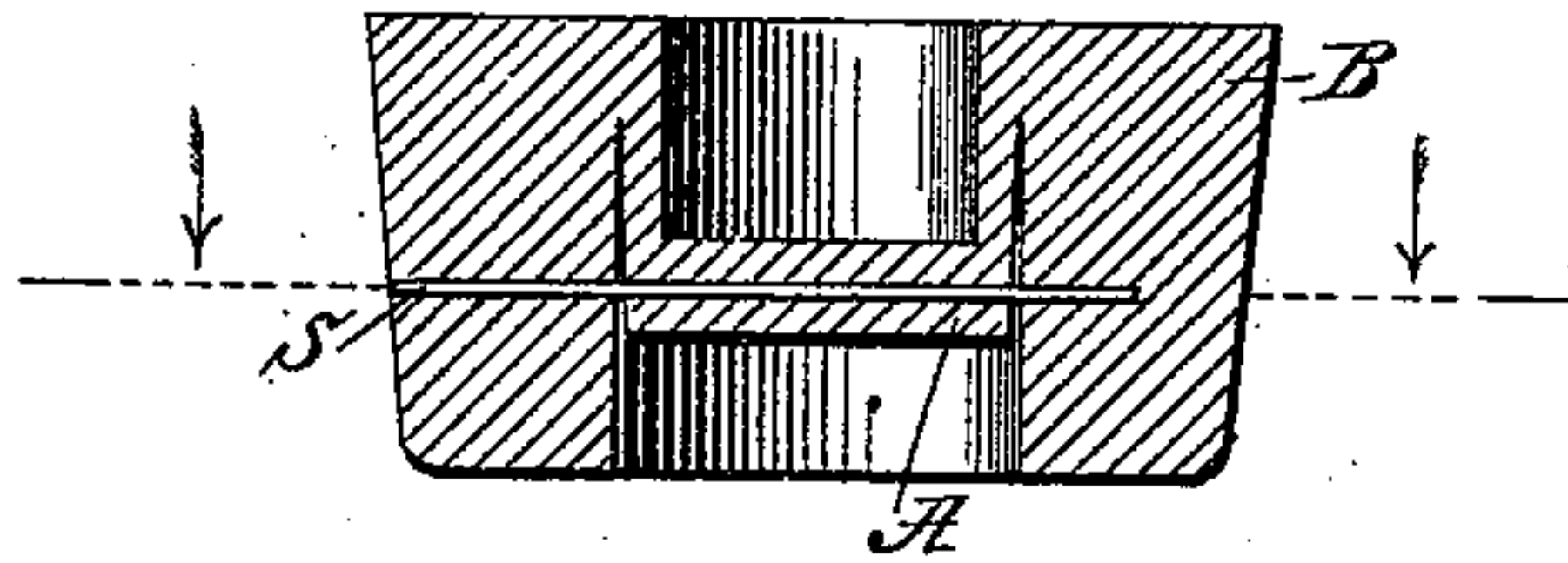
(No Model.)

A. E. McKECHNIE.  
BUNG FOR BARRELS, &c.

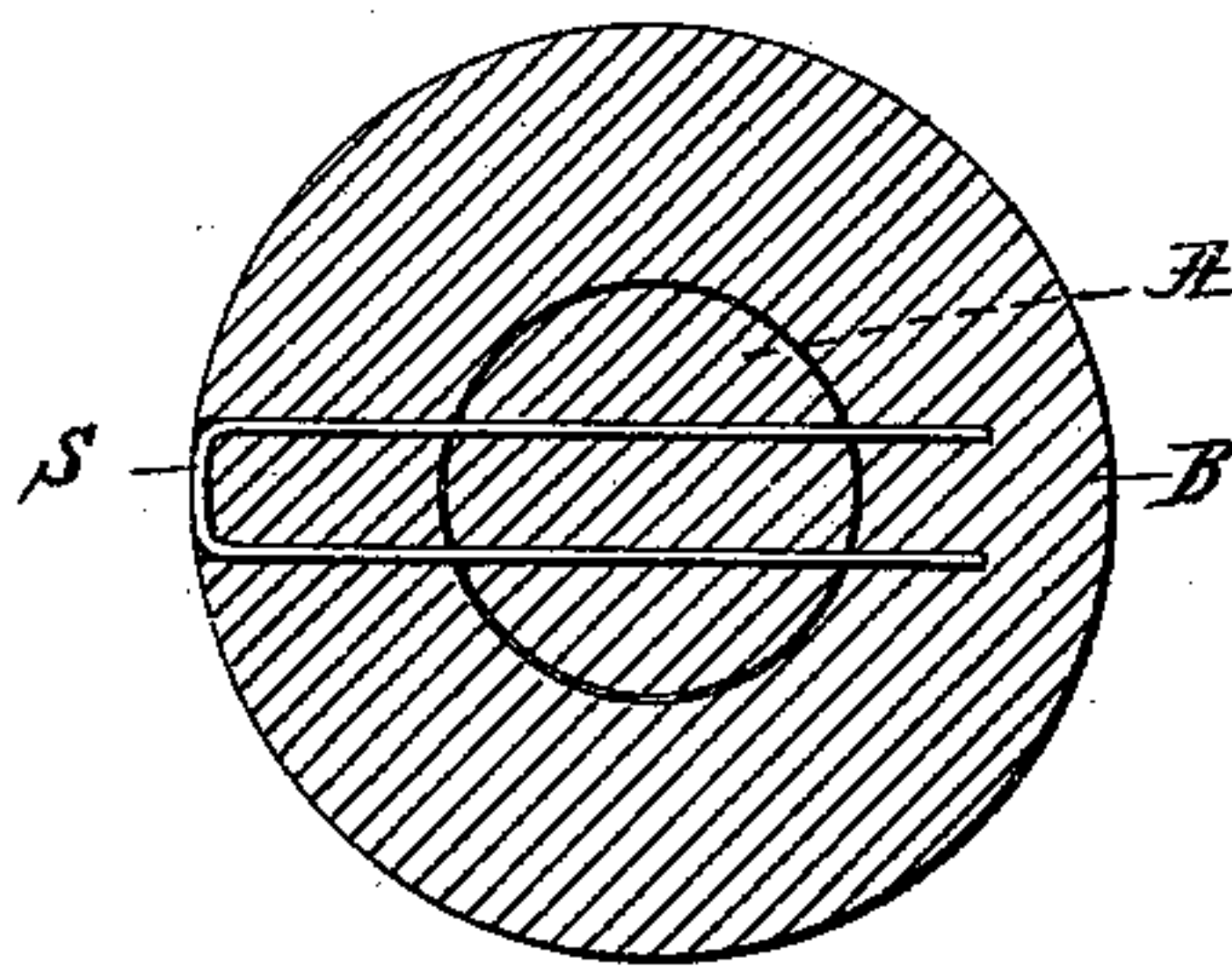
No. 547,735.

Patented Oct. 8, 1895.

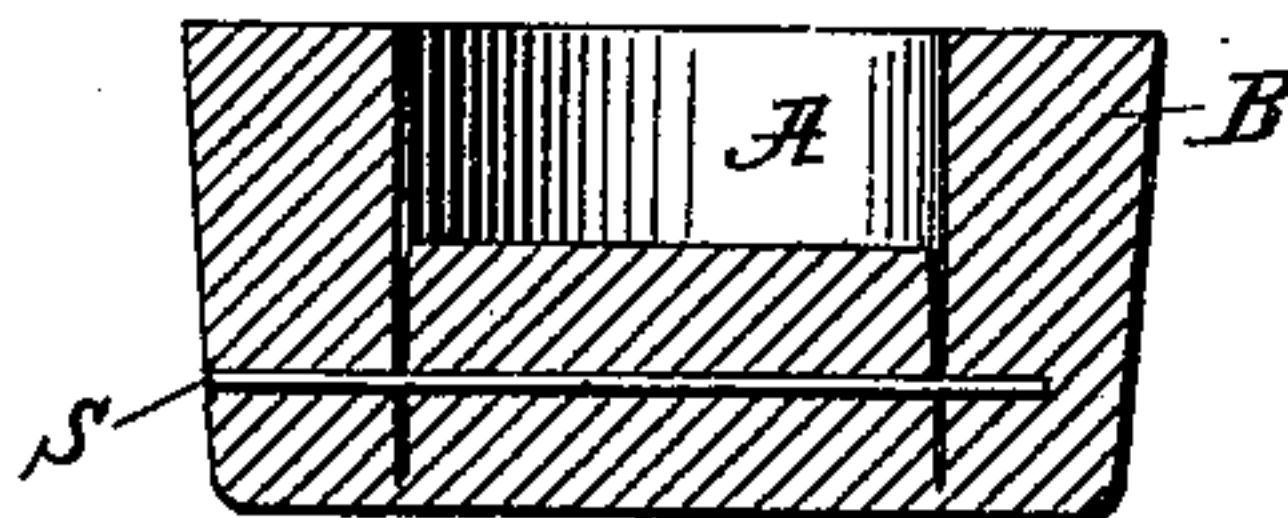
*Fig 1.*



*Fig 2.*



*Fig 3.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ARCHIBALD E. McKECHNIE, OF NEW YORK, N. Y.

## BUNG FOR BARRELS, &c.

SPECIFICATION forming part of Letters Patent No. 547,735, dated October 8, 1895.

Application filed July 26, 1895. Serial No. 557,196. (No model.)

*To all whom it may concern:*

Be it known that I, ARCHIBALD E. McKECHNIE, a subject of the Queen of Great Britain, residing at New York, in the county of New York and State of New York, have made a new and useful Improvement in Bungs for Barrels, &c., of which the following is a specification.

My invention is directed to improvements in that type of barrel-bungs which are usually made of a single piece of wood or analogous material and arranged so as to permit the admission of a spigot or the like by forcing the same through the center of the bung; and its object is to provide a means for preventing the separable or ruptured portion from being wholly detached therefrom and thus left in the interior of the barrel or cask, as is now the case with the type of bungs referred to.

My invention will be fully understood by referring to the accompanying drawings, in which—

Figure 1 is a vertical sectional view taken through a well-known form of bung provided with my improvement. Fig. 2 is a horizontal sectional view taken through Fig. 1 and as seen looking in the direction of the arrows from the top toward the bottom of the drawing upon that figure. Fig. 3 is a sectional view of a different form of bung which is well known and in general use, but having my improvement applied thereto.

My invention is especially applicable to bungs like those shown and described in United States Patents to Pentlarge, No. 148,747, dated March 17, 1874; Pentlarge & Hirsch, No. 192,386, dated June 26, 1877, and Borst, No. 203,316, dated May 7, 1878.

In the use of well-known forms of bungs made of wood and analogous materials, in connection with beer-barrels, wine-casks, and the like, such bungs are cored out on their opposite faces, as shown in Fig. 1, or upon the outer face only, as shown in Fig. 3. When, therefore, the spigot is driven through the bung from the upper surface, the central portion becomes detached and is forced to the inside of the barrel, splinters or chips often breaking off, and thereby becoming deposited on the inner surface of the barrel. It is found necessary, therefore, to exercise con-

siderable care during the washing of barrels provided with said bungs to remove these detachable portions, and not a little annoyance and trouble result in such removal.

My invention has for its special object the avoidance of this annoying feature in the use of bungs provided with detachable parts, and will be fully understood by referring to the accompanying drawings in detail, in which—

B represents a well-known form of bung, A the removable or detachable portion, and S a metallic or other yielding staple adapted to be driven through the bung in such manner as to pass entirely through the removable section A, with its free ends extending to points somewhat near the outer surface of the bung, as clearly shown in Figs. 1, 2, and 3.

The type of bung disclosed with my improvement attached is used as follows: The bung B is put in position in the head of the barrel or cask in the usual manner. When it is desired to draw off the material contained in the barrel or cask, the inner end of the spigot is placed against the outer surface of the detachable or removable part A, and the spigot is then given a sharp blow with a mallet or hammer, thereby disrupting the the part A from the bung B and at the same time causing it to pass inward through the inner cored-out portion in such manner as to withdraw the staple therefrom until the removable portion reaches a point where it is caused to turn about the stationary portion of the staples. After the liquid is withdrawn from the barrel the bung may then be removed in the usual manner, and the detachable portion A will be withdrawn with it.

I do not limit myself to the specific means herein shown and described for preventing the actual severing or disrupting of the detachable part A from the bung B in a bung having a detachable part integral therewith, as I believe it is broadly new with me to provide means for maintaining union between these two parts in such manner that when the bung is withdrawn the detachable part will be withdrawn with it, and my claims cover, generically, means for holding or securing the detachable part A to the bung after the spigot is forced through the latter.

My invention is adapted, also, for use in



connection with the vent-plug of a barrel or cask, or, in fact, in any place where it is desired to sever the inner portion of a bung from the bung proper and still secure the parts together, so that they may both be withdrawn from the barrel or cask at the same time, and my claims are therefore of the most generic nature as to means for effecting the result hereinbefore referred to.

10 Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A bung provided with a separable part which is integral therewith and means for 15 holding the separable part after it has been severed from the bung proper.

2. A bung provided with a separable part which is integral therewith and a hinge which permits the separable part to be forced inside 20 the barrel and still be attached to the bung.

3. A bung provided with a separable part which is integral therewith and a yielding sus-

taining device for holding it attached to the bung after it is severed therefrom.

4. A bung provided with a separable part 25 which is integral therewith and one or more hinged parts adapted to hold the separable part securely to the bung after it is separated therefrom.

5. A bung made of a single piece of wood 30 with a detachable part adapted to be severed or broken therefrom, and a holding device extending through the two parts and concealed therein.

6. A bung provided with a separable part 35 and a holding device extending laterally through the bung and the separable part substantially as shown and described.

In testimony whereof I have hereunto subscribed my name this 25th day of July, 1895. 40

ARCHIBALD E. McKECHNIE.

Witnesses:

CHAS. J. KINTNER,  
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