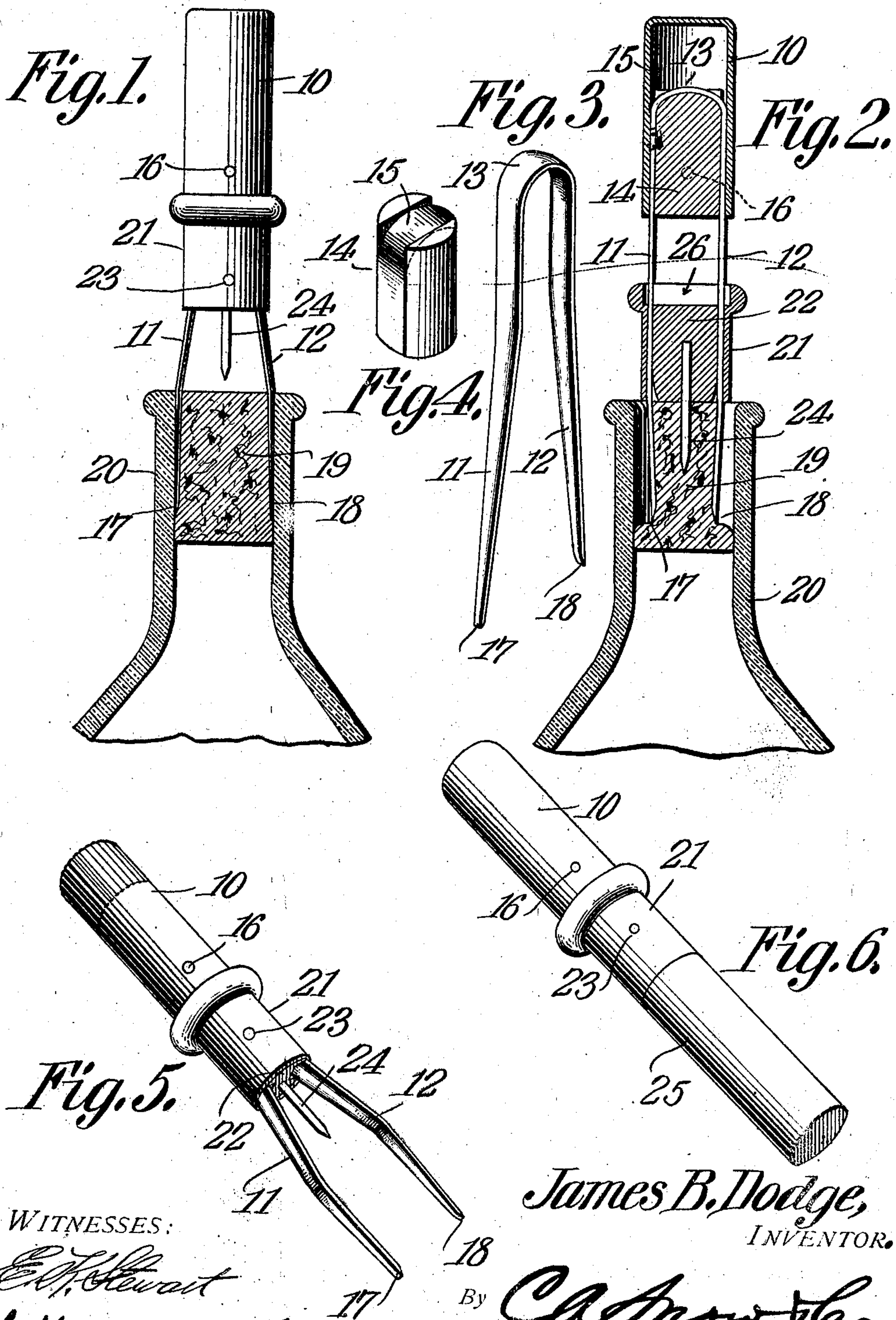


No. 854,812

PATENTED MAY 28, 1907.

J. B. DODGE.
CORK EXTRACTOR.
APPLICATION FILED SEPT. 5, 1906.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JAMES B. DODGE, OF JACKSONVILLE, FLORIDA.

CORK-EXTRACTOR.

No. 854,812.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed September 5, 1906. Serial No. 333,345.

To all whom it may concern:

Be it known that I, JAMES B. DODGE, a citizen of the United States, residing at Jacksonville, in the county of Duval and State of Florida, have invented a new and useful Cork-Extractor, of which the following is a specification.

This invention relates to cork extractors, and has for its object to improve and simplify the construction and increase the utility and efficiency of devices of this character.

With these and other objects in view which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction as hereinafter fully described and claimed.

In the accompanying drawings forming a part of this specification and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation.

In the drawings:—Figure 1 is a side elevation of the improved device applied to the cork within the neck of a bottle the bottle neck and cork in section and the parts of the implement shown in their first position. Fig. 2 is a sectional view with the parts of the improved implement in their second position. Fig. 3 is a perspective view of the resilient cork engaging element detached. Fig. 4 is a perspective view detached, of the holding plug of the cork engaging implement. Fig. 5 is a perspective of the improved implement without its shield. Fig. 6 is a perspective of the improved implement with the shield attached.

The improved implement comprises in general a stock or handle, two arms spaced apart and extending from said handle and with sharpened terminals adapted to be inserted between the cork and the neck of the bottle, and a sleeve slidable upon said arms and adapted to compress them upon the cork and firmly grip the same and removing it from the bottle when the stock and its attachments are withdrawn.

The stock portion 10 of the device is preferably tubular, and the spaced arms 11—12 in one piece preferably of spring steel bent into U-shape and inserted at its bent portion 13 into the tubular stock and provided within the stock with a plug, 14, preferably of wood

and provided with a recess 15 to receive the bend 13 of the arms. After the member 11—12 and its plug 14 are inserted into the stock, the latter is indented as at 16 by any suitable implement to firmly fasten the arms and plug into the stock. The terminals 17—18 of the arms 11—12 are chisel shaped as shown, to enable them to be readily thrust between the cork represented at 19 and the neck of the bottle represented at 20. Slidably disposed upon the arms 11—12 is a sleeve 21 having a plug 22 between which and the sleeves the arms operate the plug being preferably of wood, and secured in place by indenting the sleeve as at 23 by a suitable instrument. The sleeve is provided with a recess 26 in the end next to the socket and into which the adjacent end of the socket enters when the sleeve is in withdrawn position as in Figs. 1—5 and 6. Secured in the plug 22 is a spur 24 adapted to enter the cork 19 at the same time that the arms 11—12 are thrust between the cork and bottle neck, to assist in holding the same, and to increase the efficiency of the action.

The stock 10 and sleeve 21 are of less diameter than the cork 19 to be extracted and the arms 11—12 being of spring steel expand as shown in Figs. 1 and 5, and then when the arms have been thrust into position between the cork and bottle neck, and the sleeve forced toward the bottle, the arms will be firmly pressed into the soft material of the cork as illustrated in Fig. 2, and firmly grip the same. Then by slightly turning the stock 10 and its attachments the cork is loosened and can be readily withdrawn by an outward pull upon the stock, and without injury to the cork. A shield 25 is provided to be placed over the protruding arms 11—12 as shown in Fig. 6 when the implement is not in use, to enable it to be carried in the pocket, or otherwise disposed.

The device is simple in construction, can be inexpensively manufactured, and in varying sizes to correspond to bottles of different sizes.

Having thus described the invention, what is claimed is:—

1. In an implement of the class described, a tubular stock, spaced arms formed from a single piece bent into U shape and inserted at the bend into said stock, a plug between said arms within said stock, means for securing

said plug within said stock, and means operative over said arms for compressing the same.

2. In an implement of the class described, a tubular stock, spaced arms formed from a single piece bent into U shape and inserted at the bend into said stock, means for securing said arms in said stock, a sleeve slidable over said arms and operating to compress the same, and a spur carried by said sleeve.

3. In an implement of the class described, a stock, spaced arms extending from said stock, a sleeve slidable over said arms and operating to compress said arms and provided with a socket for receiving said stock when the sleeve is in withdrawn position.

4. An implement of the character described comprising resilient spaced arms adapted to embrace a cork, means carried by the arms for drawing them together, and a cork engaging device carried by said means.

5. An implement of the character described comprising resilient spaced cork embracing arms, means slidably mounted thereon for drawing them together, and a cork engaging device carried by the sleeve, said sleeve having a socket to receive the stock.

6. An implement of the class described comprising a stock, resilient spaced cork embracing arms extending from the stock, a sleeve slidably mounted thereon for drawing them together, and a cork engaging device carried by the sleeve.

7. An implement of the character described comprising a stock, resilient spaced cork embracing arms extending from the stock, a sleeve slidably mounted thereon for drawing them together, and a cork engaging device carried by the sleeve, said sleeve having a socket to receive the stock.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES B. DODGE.

Witnesses:

D. H. DAIG,

E. R. HEDSTROM.