

F. J. BERRY.
BOTTLE-CORKING MACHINE.

No. 174,058.

Patented Feb. 29, 1876.

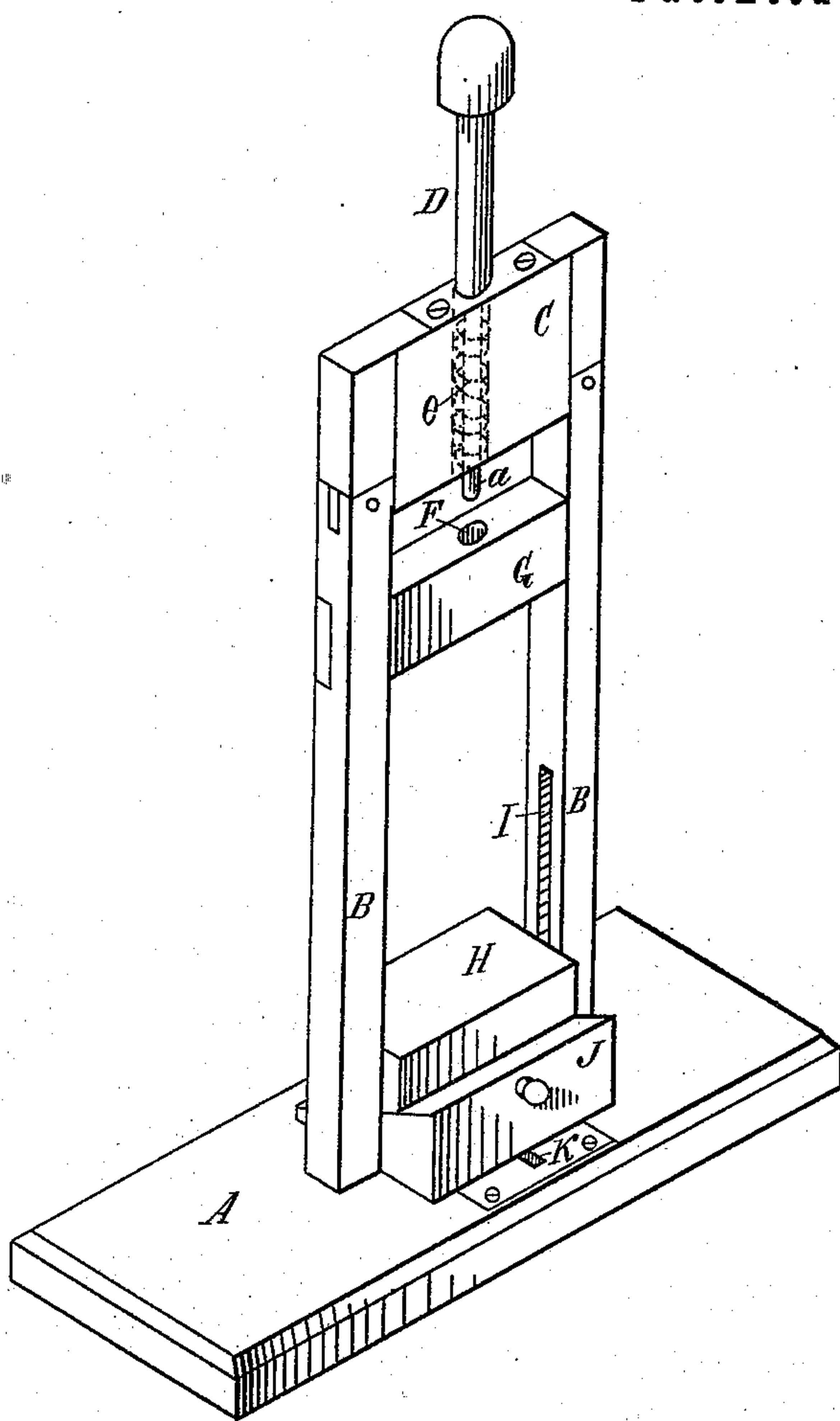


Fig. 1.

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UNITED STATES PATENT OFFICE.

FREDERICK J. BERRY, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-THIRD HIS RIGHT TO WILLIAM H. GREENLEAF, OF SAME PLACE.

IMPROVEMENT IN BOTTLE-CORKING MACHINES.

Specification forming part of Letters Patent No. **174,058**, dated February 29, 1876; application filed January 31, 1876.

To all whom it may concern:

Be it known that I, FREDERICK J. BERRY, of Boston, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Bottle-Corking Machines, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view.

My invention relates, principally, to that class of bottle-corking machines which are employed in putting up ale, beer, &c.; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a more effective device of this character is produced than is now in ordinary use.

The nature and operation of my invention will be readily obvious to all conversant with such matters from the following description.

In the drawing, A represents the bed-piece, B the uprights or standards, and C the cross-head. A plunger-rod, D, is fitted to work vertically in the cross-head, and is provided with a coiled spring, e, acting expansively to keep it elevated. This rod is arranged to pass vertically through a hole, F, in the cross-bar G, the lower part of the hole being made smaller (not shown) to receive the mouth or neck of the bottle. A supporting-rest, H, is fitted to slide vertically in the standards B, by means

of short studs (not shown) projecting laterally from the rest, and working in the grooves or ways I. The upper side of this rest is level, and the lower side beveled or inclined to correspond with the beveled or inclined upper side of the slide J, which is fitted to work horizontally between the standards B by means of a stud (not shown) projecting into the groove K in the bed A.

In the use of my improvement the cork is inserted in the hole F, and the filled bottle placed upon the rest H, directly under the same. The slide J is then moved to force the rest H upwardly, and bring the neck of the bottle into the diminished end of the hole, when, by means of the plunger D pressed forcibly in a downward direction, the cork may be driven into the bottle. The hole F is slightly tapering from its upper end to the diminished portion at its lower end, which serves to compress the cork as it is forced through the same by means of the plunger D.

Having thus explained my invention, what I claim is—

In a bottle-corking machine, substantially such as described, the bed A, slide J, rest H, standards B B, cross-head C, plunger D, and cross-bar G, provided with the hole F, all constructed and arranged substantially as set forth and specified.

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Witnesses:

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