

(No Model.)

C. S. REYNOLDS & J. H. WELDON.

STAND FOR HOLDING AND SEALING BOTTLES.

No. 334,983.

Patented Jan. 26, 1886.

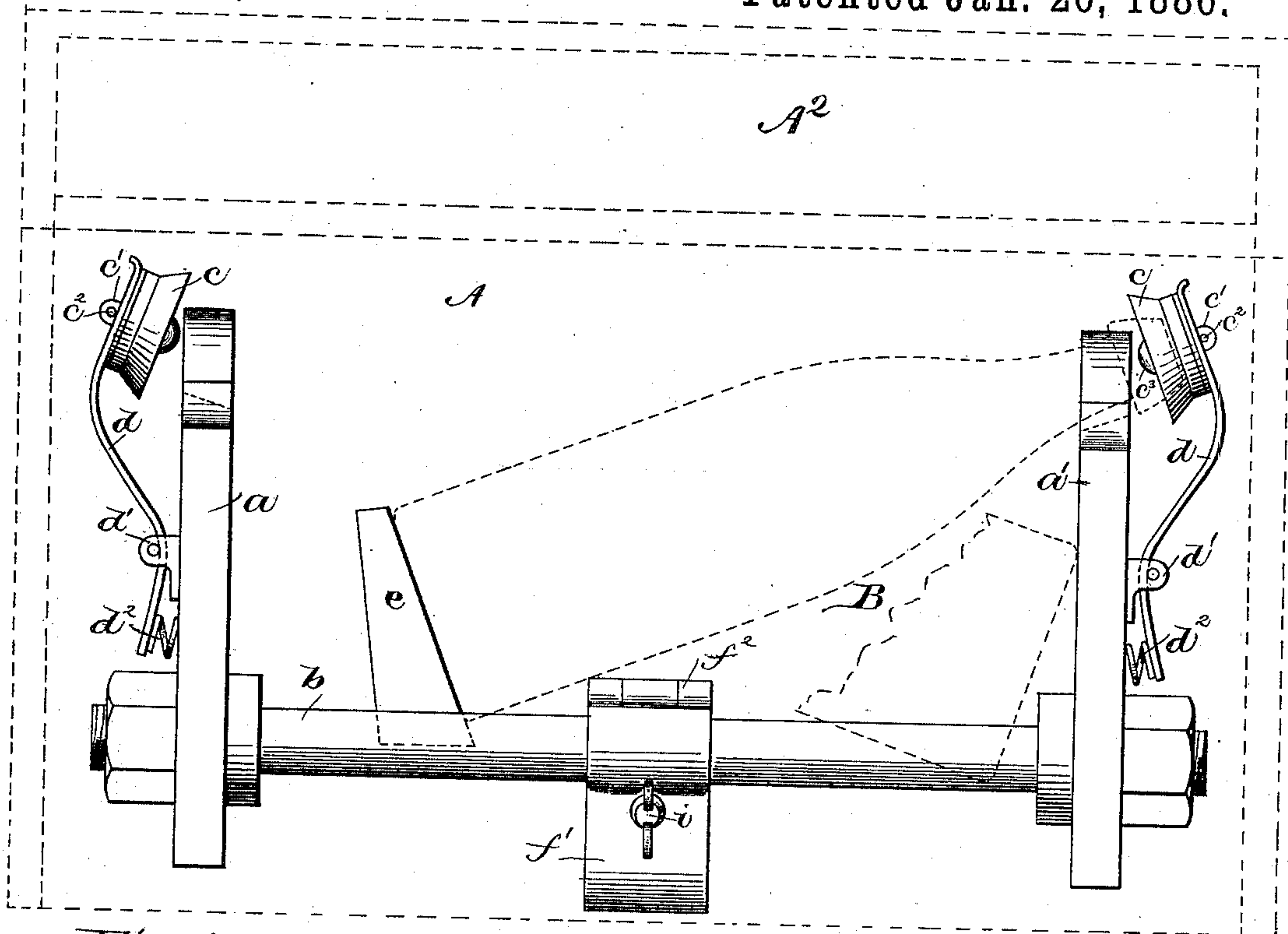


Fig. 1.

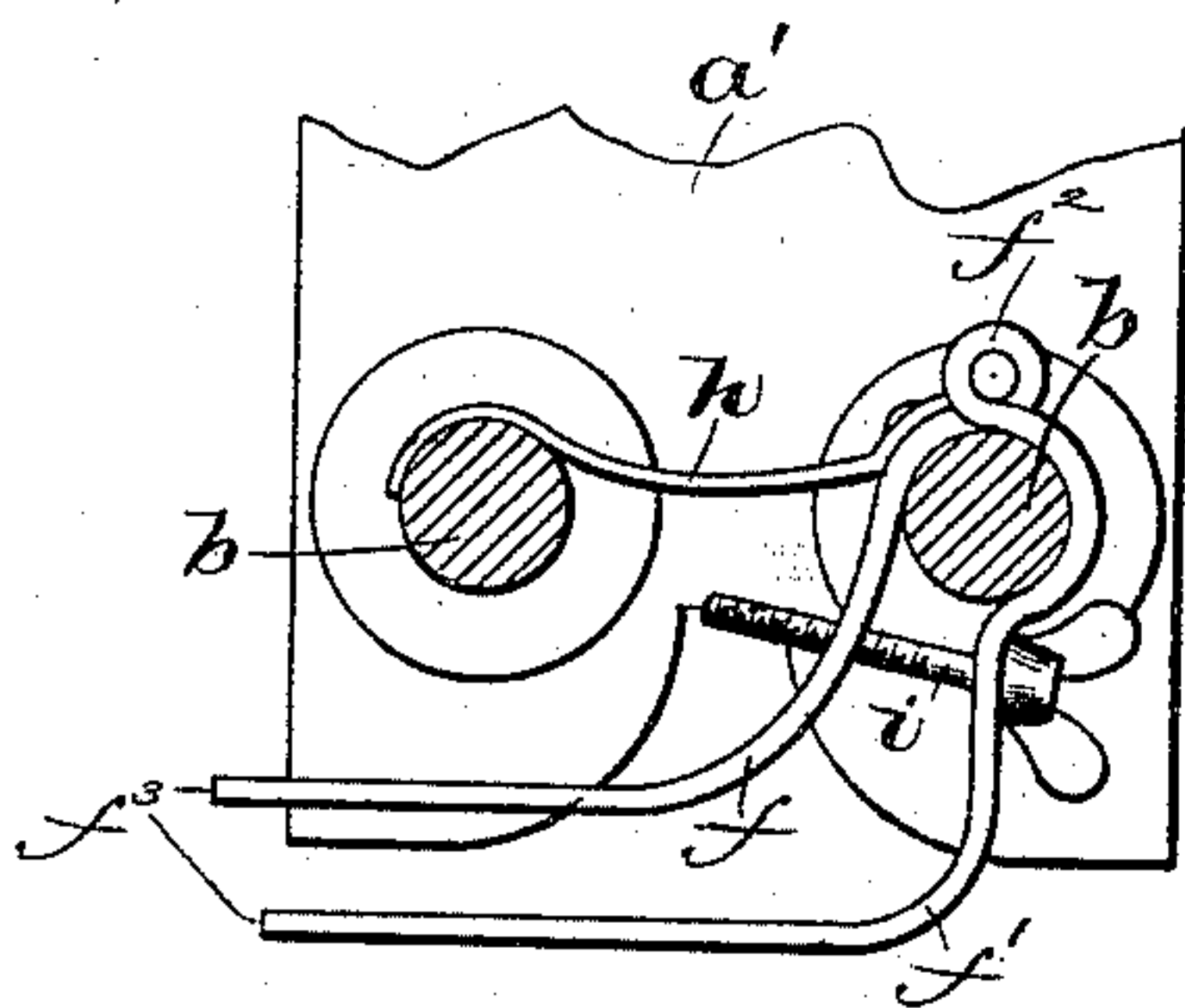


Fig. 2.

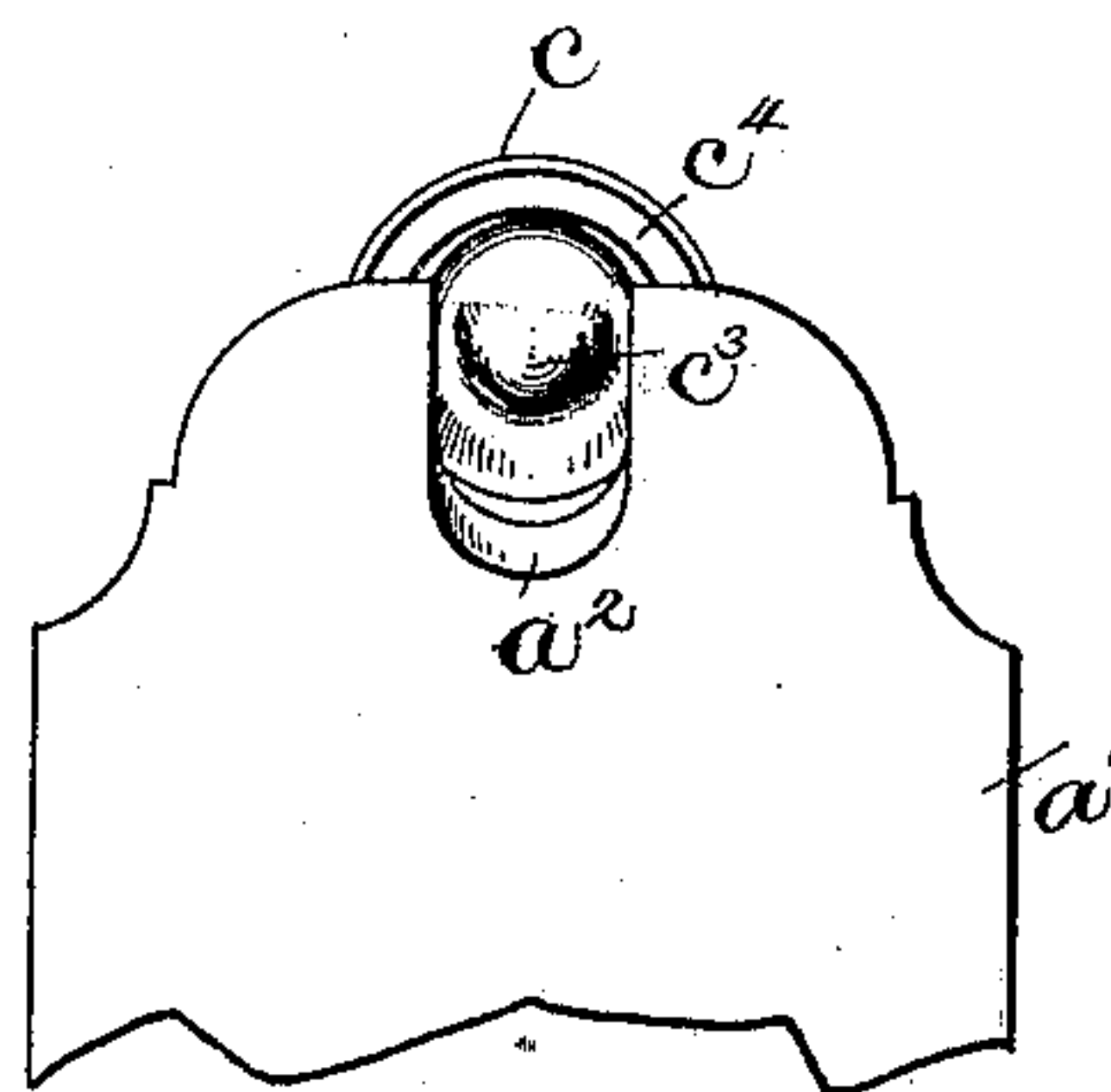


Fig. 4.

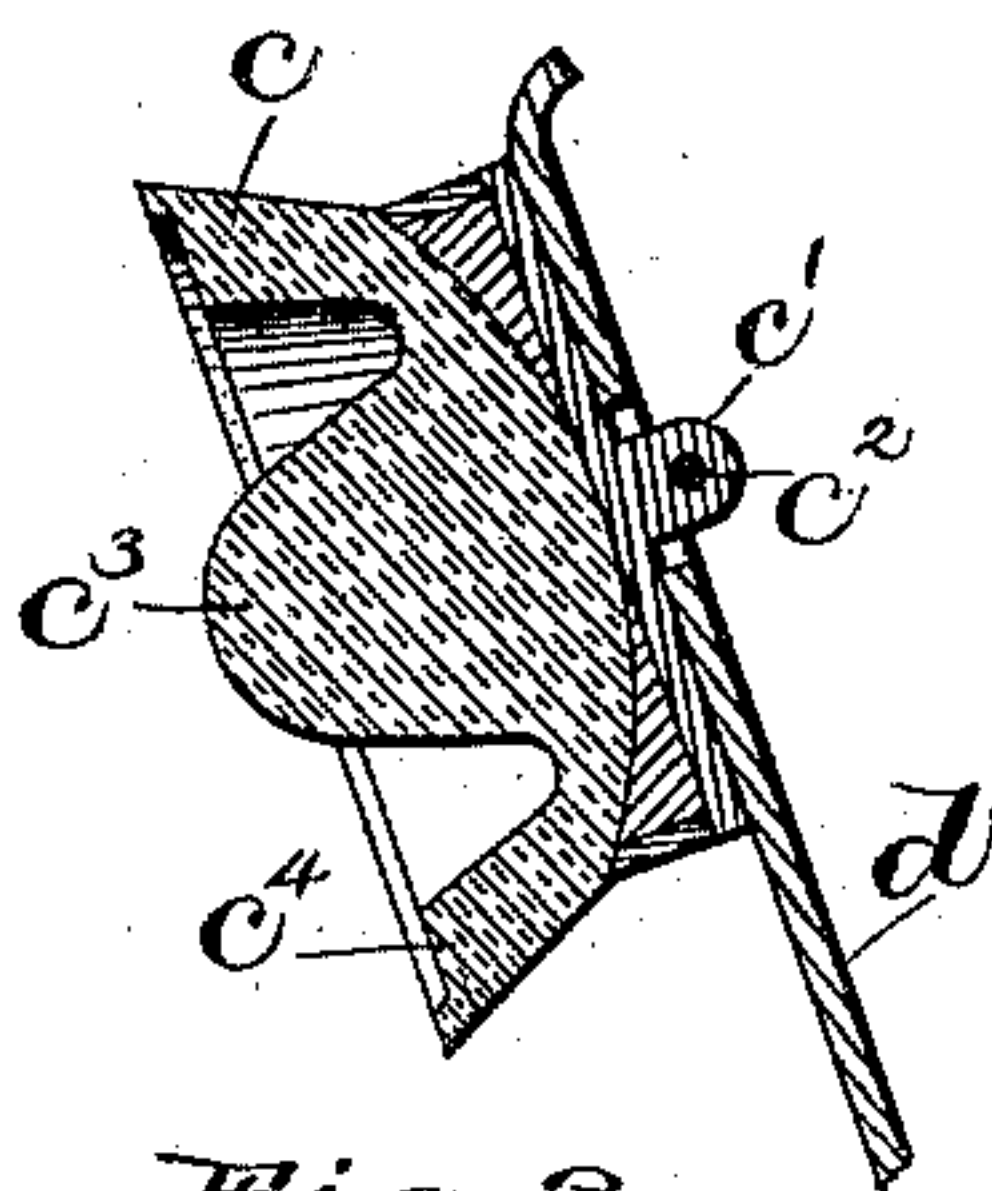


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES S. REYNOLDS AND JAMES H. WELDON, OF LAWRENCE, MASS.

STAND FOR HOLDING AND SEALING BOTTLES.

SPECIFICATION forming part of Letters Patent No. 334,983, dated January 26, 1886.

Application filed March 12, 1885. Serial No. 158,630. (No model.)

To all whom it may concern:

Be it known that we, CHAS. S. REYNOLDS and JAMES H. WELDON, of Lawrence, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Stands for Holding and Sealing Bottles, of which the following, taken in connection with the accompanying drawings, is a specification.

10 The object of our invention is to provide a device for supporting a bottle and sealing the mouth of the same after the cork or other stopper has been removed.

15 In removing a cork from a bottle the cork is likely to be broken or to be pierced wholly through, so as to be no longer air-tight, and it frequently swells, so as to make it difficult to again insert it in the bottle, and consequently when a small portion of the contents of a 20 bottle containing aerated or other sparkling liquid has been removed the remainder of the liquid, if allowed to stand for a short time, will become flat and unfit for use.

25 Our invention consists, essentially, in a stand or frame adapted to receive and hold a bottle, and provided with a sealing device which covers and tightly closes the mouth of the bottle while held in the stand or frame, so that by placing the bottle in such a stand after its 30 cork has been removed the bottle will be tightly closed and its contents preserved in good condition until subsequently used.

35 As shown, in this instance of our invention the stand is provided with two seats or holders to receive bottles of two different sizes—such, for instance, as a quart and a pint ale-bottle—and has two sealing devices or stoppers, one to co-operate with either bottle, and the apparatus is preferably arranged to hold 40 the bottles in an inclined position, so that the sediment will collect at one side of the lower part of the bottle, where it will be least affected or disturbed in emptying the contents of the bottle.

45 If desired, a cover may be employed to inclose the entire apparatus and bottle supported thereon, the said cover being provided with a receptacle for ice for cooling the contents of the bottle. A clamping device is provided 50 for fastening the apparatus in a convenient position upon a shelf or table.

Figure 1 is a side elevation of an apparatus for holding and sealing bottles embodying our invention; Fig. 2, a partial transverse section thereof, showing the clamping device; Fig. 3, 55 a longitudinal section of one of the stoppers or sealing devices on a large scale; and Fig. 4, a detail showing the upper portion of one of the uprights as seen when looking toward the sealing device.

60 The apparatus consists, essentially, of a frame composed of two uprights, a a' , united by longitudinal members b , shown in this instance as consisting of rods, upon which the uprights are bolted or otherwise securely 65 fastened. The uprights a a' are notched at their upper ends, as shown at a^2 , to receive the neck of the bottle near its mouth and support the same in proper position to be engaged by the stopper or sealing device c , 70 shown as loosely connected by a lug, c' , and transverse pin c^2 , with a holding-arm, d , pivotally connected, one with each upright a a' at d' , and acted upon by a spring, d^2 , tending to force the stopper toward the upright and press 75 it against the mouth of the bottle supported in the frame, as shown in dotted lines, Fig. 1.

80 The longitudinal members or rods b are of sufficient length to hold a bottle of the largest size, so that its lower end rests upon the said rods and against the upright a' , as shown in dotted lines at B, Fig. 1, the neck of the bottle then resting in the notch of the upright a , with its mouth closed by the stopper connected with the said upright. The longitudinal mem- 85 bers or rods b are also provided with a seat or support, e , at proper distance from the upright a' to receive and support the lower end of a smaller bottle, the neck of which rests in upright a' and is closed by the sealing device 90 c , connected therewith.

95 The parts that engage and support the bottle are in such a position with relation to one another as to hold the bottle in an inclined position, which is found to be best for settling its contents and enabling the liquid to be 100 poured out clear.

The stoppers c are preferably of soft rubber and of the shape shown in Fig. 3, having a central projection, c^3 , which is tapering and enters the mouth of the bottle, tightly closing the same, and the said stopper also has a

flange, c^4 , which surrounds and overlaps the end or mouth of the bottle, and in connection with the projection c^3 insures a tight closure of the bottle, even if its edge is somewhat broken or uneven.

The stand or support $a\ a'\ b$ may, if desired, be provided with a clamping device (best shown in Fig. 2) for fastening the same in a convenient position upon a shelf or table. The said clamping device consists of two members, $f\ f'$, pivoted or hinged together at f^2 , so as to embrace one of the rods b between them, the said members being provided with projections f^3 , to engage the upper and under sides of the shelf, board, or other part upon which the apparatus is to be fastened, and the upper member, f , is provided with a finger, h , which engages the opposite rod, b , to the one between the members of the clamp. A clamp-screw, i , operates to draw the members of the clamp together, so as to embrace the edge of the table or board between the portions f^3 of the clamp, at the same time drawing the finger h' down tightly upon the rod b , so that the entire bottle-supporting frame is securely fastened.

The apparatus may be made of ornamental appearance for table use, and it may be provided with a cover, A , (shown in dotted lines, Fig. 1,) preferably provided with a chamber, A^2 , to contain ice or cooling material, by which the contents of the bottle are kept cool until used up.

We claim—

1. A bottle-stand having an upright provided with a recess which receives the neck of the bottle, combined with a spring-pressed sealing device on said upright by which the mouth of the bottle is closed, substantially as described.

2. In a bottle-stand, the combination of two uprights and sealing devices connected therewith, with independent seats for receiving bottles of different size and supporting the same, with their mouths in position to be engaged and sealed by these sealing devices, substantially as described.

3. In a bottle-stand, the combination, with a seat which may receive and support a bottle, of a stopper and a holding-arm for the said stopper pivotally connected with the bottle-stand and loosely connected with the stopper, and a spring acting on the said arm to press the stopper toward the bottle held in the stand, substantially as described.

In testimony whereof we have signed our names to this specification, in the presence of two subscribing witnesses, on this 9th day of March, A. D. 1885.

CHARLES S. REYNOLDS.
JAMES H. WELDON.

Witnesses:

JOS. P. LIVERMORE,
J. J. MALONEY.