

(No Model.)

H. KROUS.  
BOTTLER'S STEAMING PAN.

No. 464,774.

Patented Dec. 8, 1891.

Fig. 1.

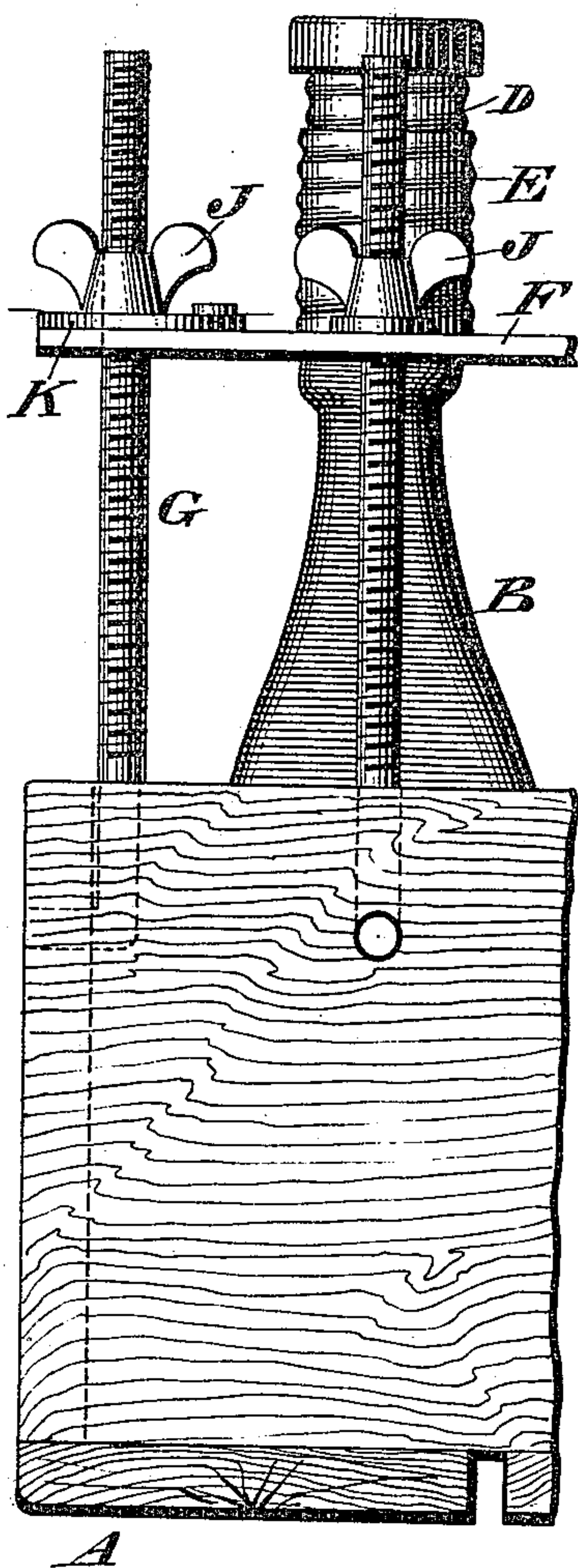


Fig. 2.

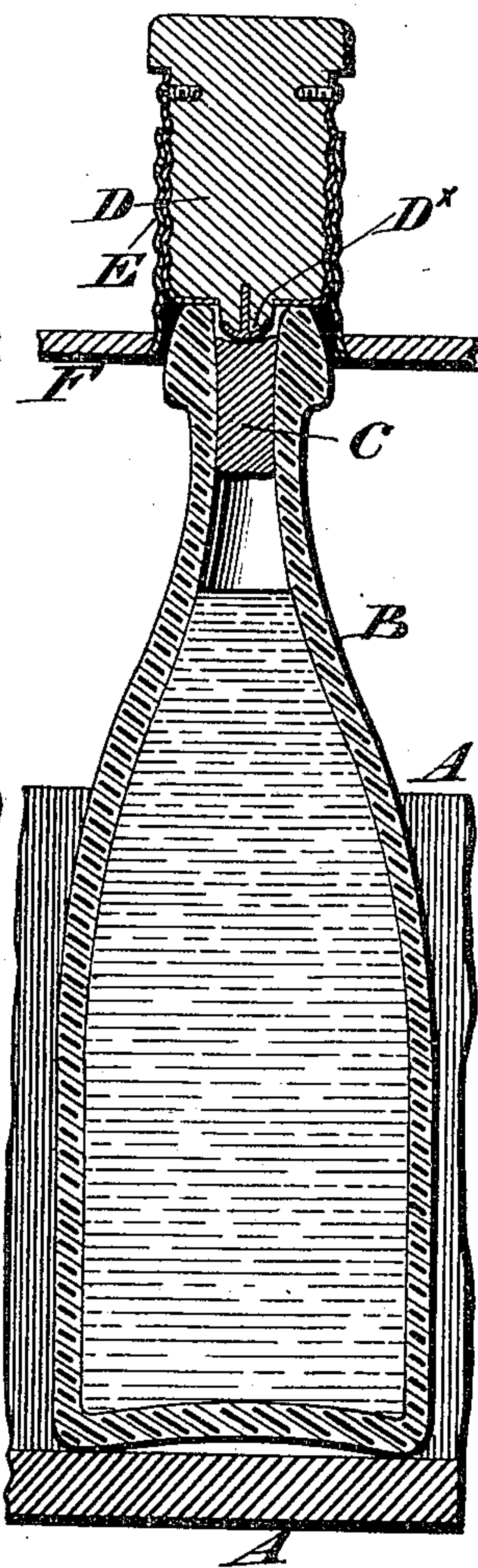


Fig. 3.

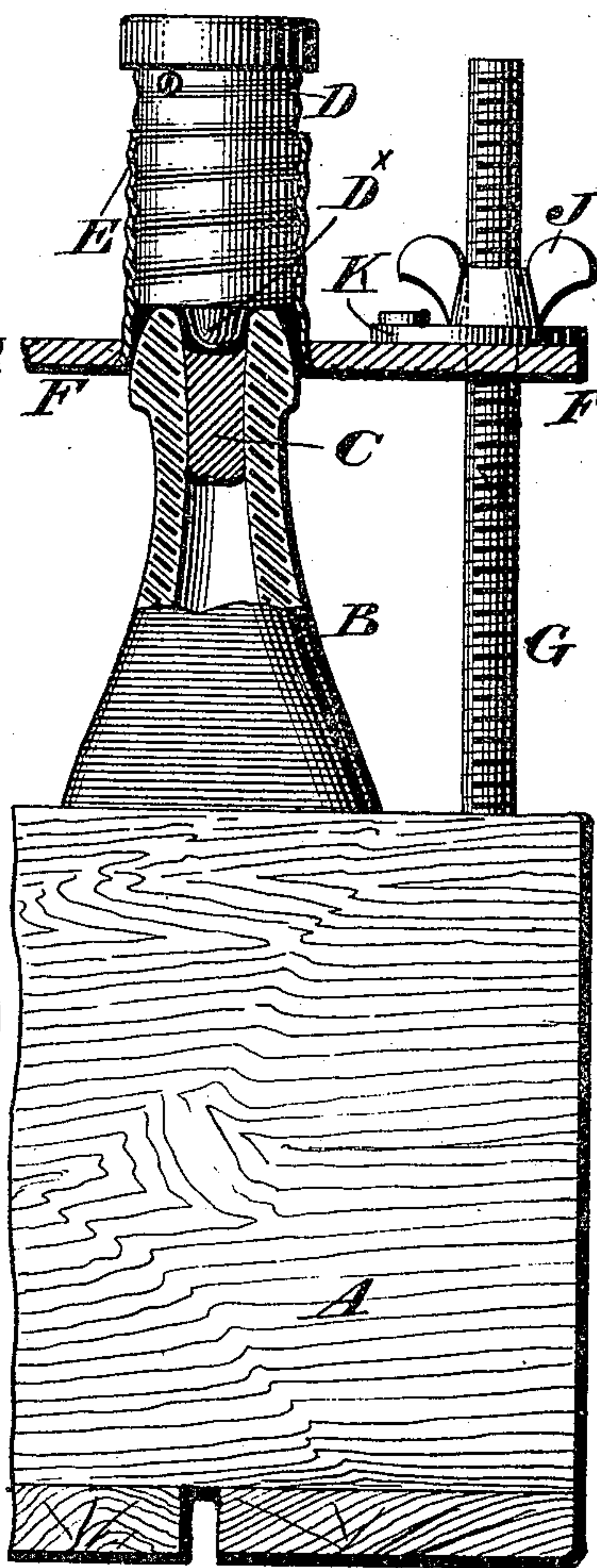
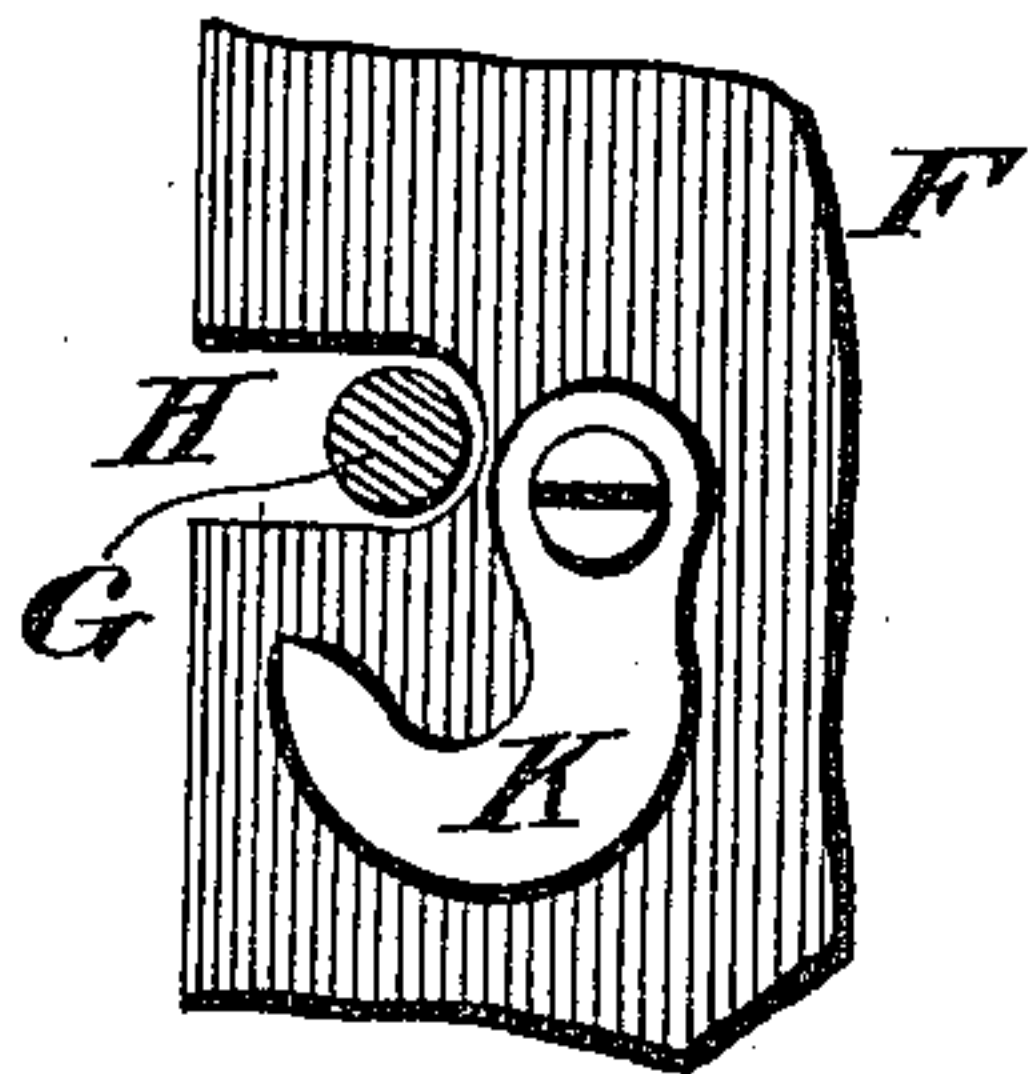


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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## BOTTLER'S STEAMING-PAN.

SPECIFICATION forming part of Letters Patent No. 464,774, dated December 8, 1891.

Application filed July 13, 1891. Serial No. 399,306. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY KROUS, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Bottlers' Steaming-Pans, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to bottlers' steaming-pans, and has for its object a device having means for controlling the corks of the bottles while being steamed; and for this purpose it consists of a plug of novel construction and operation.

It further consists of means, substantially as described, for securing the plug-holding plate to the steaming-pan.

It further consists of the combination of parts hereinafter set forth.

Figure 1 represents a side view of a portion of a bottle-steaming pan embodying my invention. Fig. 2 represents a central vertical section of the plate and a plug with a bottle. Fig. 3 represents a partial sectional and partial side view of a portion of the device. Fig. 4 represents a view on line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a steaming-pan adapted to hold a number of bottles B containing beer or other liquid during the steaming of the same.

To prevent the corks C of the bottles from "popping" or being forced outward during the said heating, the plugs D are employed having a teat D<sup>x</sup> entering the mouth of the bottle. The said plugs are provided with screw-threaded exterior portions which work in the bosses E, secured to a plate F, of metal or other suitable material, which is adjustably connected with the pan A by means of the rods G, which have bent lower ends for insertion in openings in the sides of the pan, so as to be readily connected with the same. The said rods are also inserted in the slots H in the sides of the plate, and are threaded, having thereon a thumb-nut J.

On the plate, at the inner end of each slot H, is pivoted a latch K, adapted to embrace a rod G, inserted in said slot, so as to hold the same from lateral movement.

The manner of operating the device is as

follows: The bottles, with the material therein and corked, are placed in the pan A. The plate F, with the plugs D thereon, is supported on the said bottles, the teats D<sup>x</sup> of the plugs entering the mouth of the bottles and bearing on the tops of the corks thereof. The rods G, secured to the side of the box, are then inserted in the slots H and the latches K locked on the rods, when the thumb-nuts J are screwed against the latches, thereby holding the same in locked position and the plate F on the bottles. The plugs may be screwed in the bosses E, so that the teats D<sup>x</sup> may enter the neck, as desired.

By having slots in the sides of the plate the rods can readily be detached therefrom by unlocking the latches without operating the nuts.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A bottler's steaming-pan having a plate with a plug therein, the latter being adapted to bear against the cork of a bottle held in said pan, said parts being combined substantially as described.

2. A steaming-pan, a plate, plugs connected with said plate, and rods connecting said pan and plate, said parts being combined substantially as described.

3. A pan, a plate with slots in its sides, rods connected to said pan and in said slots, and latches pivoted to said plate and adapted to embrace said rods, said parts being combined substantially as described.

4. A pan, a plate with slots in its sides, threaded rods adapted to be connected with said pan and inserted in said slots, thumb-nuts on said rods, and a plug adjustable in said plate and having teats on its under face, said parts being combined substantially as described.

5. A steaming-pan, a plate with threaded bosses on its upper face and slots in its sides, rods adapted to be connected with said pan and said plate, latches on said plate, thumb-nuts on said rods, and plugs in said bosses, having teats thereon, said parts being combined substantially as described.

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Witnesses:

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