

(No Model.)

R. GOOD, Jr.
SNAP REST.

No. 531,526.

Patented Dec. 25, 1894.

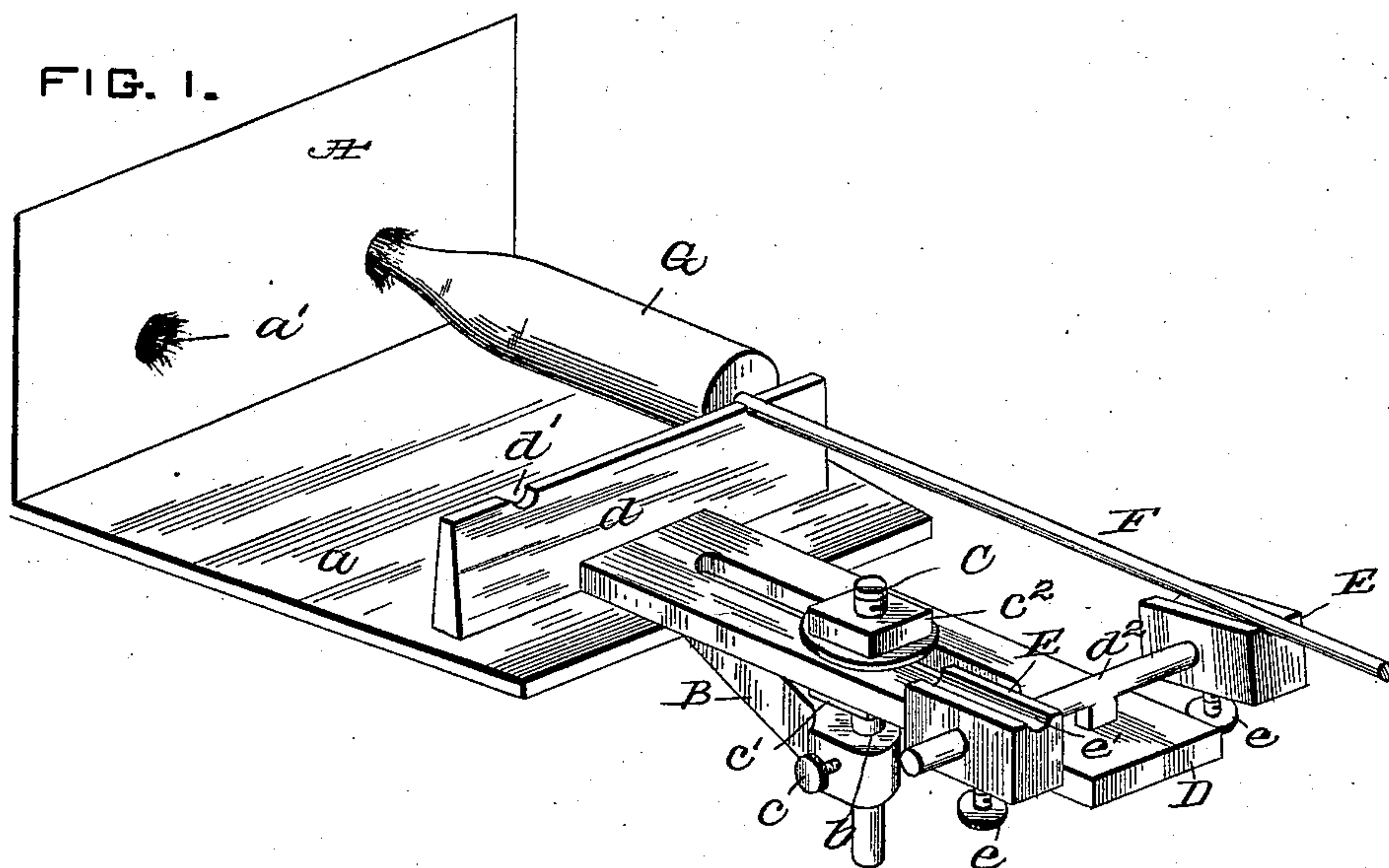


FIG. 2.

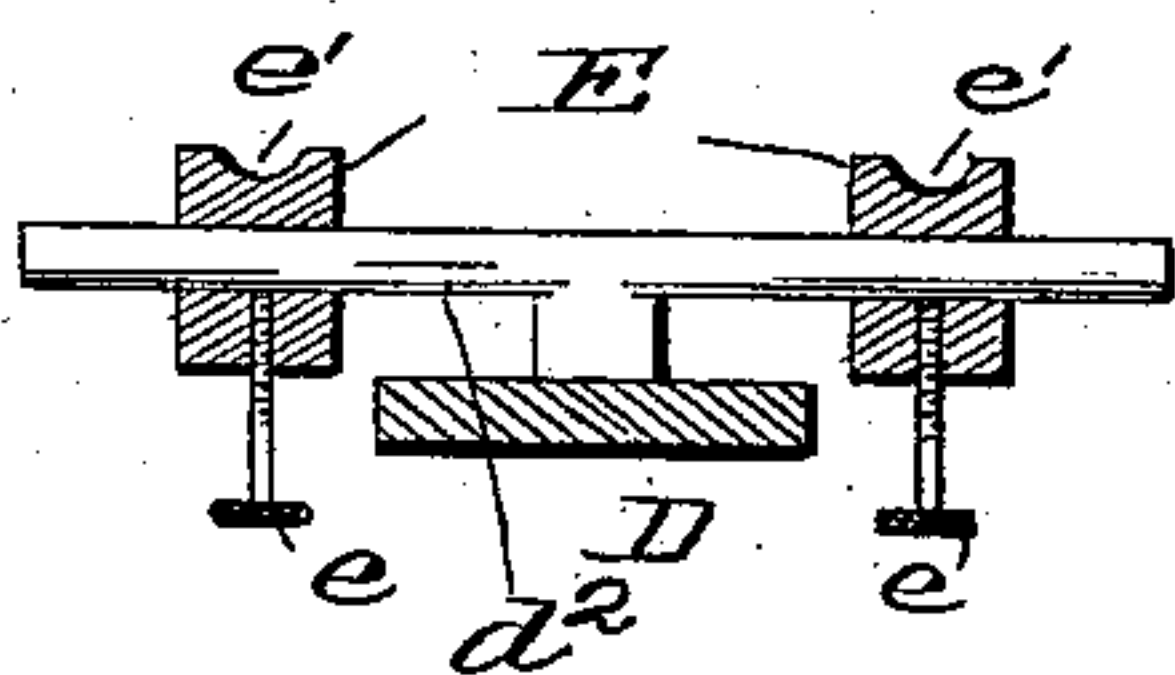
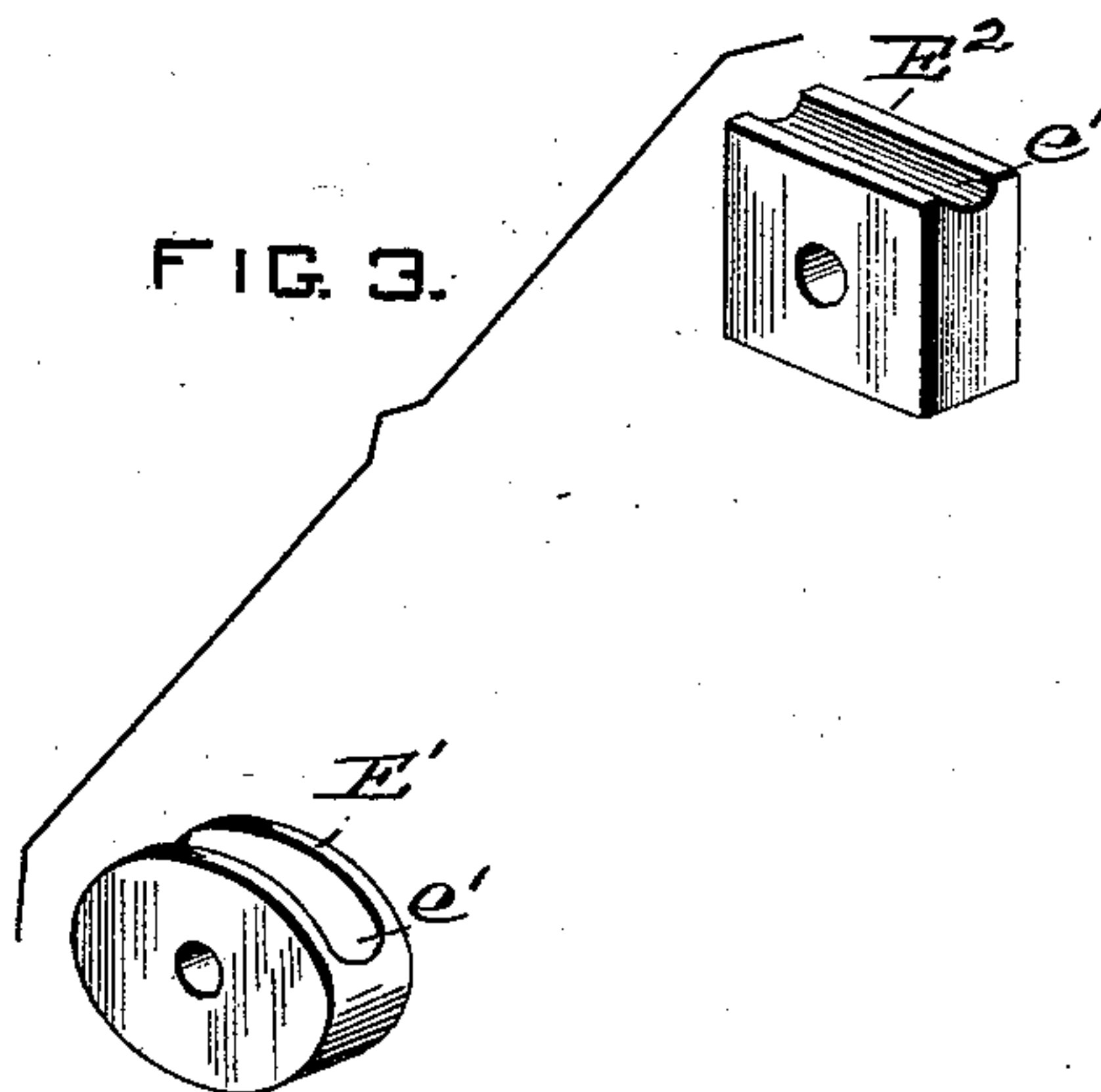


FIG. 3.



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SNAP-REST.

SPECIFICATION forming part of Letters Patent No. 531,526, dated December 25, 1894.

Application filed March 5, 1894. Serial No. 502,399. (No model.)

To all whom it may concern:

Be it known that I, ROBERT GOOD, Jr., a citizen of the United States, residing at Poughkeepsie, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Snap-Rests; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to snap-rests, for use in glass works, where glory holes are used for finishing purposes.

The objects of the invention are, first to reduce to a minimum the liability of the article having its neck stuck to the stopper or false-face of the glory hole as it is being heated for finishing; second, to provide efficient means for independently tilting the snaps for separate adjustment in the same snap-rest, so that the rest may be readily adjusted to suit holes of different heights in the stopper or false face; and finally to provide a snap-rest which shall be simple and strong of construction, durable in use, and comparatively inexpensive in cost.

With these objects in view the invention consists in certain features of construction and combination of parts which will be hereinafter set forth.

In the drawings,—Figure 1 is a perspective view of my improved snap-rest, showing it supported in its proper relation with the false-face or stopper and with one of the tilting snap-supports held in independent tilted adjustment. Fig. 2, is a vertical cross section taken through the tilting snap-supports; and Fig. 3, is a detail perspective of modifications of the tilting snap-supports.

In the drawings, A represents the stopper or false-face of the glory hole having holes a' , through which the necks of the articles to be finished are thrust.

a is a shelf usually attached to glory-holes. Fixed to the forward end of the shelf a is the bracket B, having a vertical aperture b . Inserted in this aperture and held in vertical adjustment therein by a set screw c is the standard C of the snap-rest. Near the upper end of the standard is formed a shoulder or enlargement c' . Supported upon this shoul-

der is a longitudinally slotted bar D, which may be adjusted toward and away from the false-face A, and which is held in such adjusted position by means of a nut c^2 screwed upon the upper end of the standard. Secured to or cast integral with the forward end of the slotted bar D, is a support d , having one or more notches d' in its upper edge; and mounted upon a shaft d^2 fastened to the rear end of the bar D, are one or more tilting supports E, which are held to said shaft in their tilted or other adjustment by means of set screws e , and are provided with grooves e' for holding the snap handle F in true horizontal alignment so as to prevent contact with the sides of the holes a' in the stopper A.

In operating the snap-rest for any desired adjustment the nut c^2 is loosened and the slotted bar D is moved in or out to suit the length of the article to be heated. This done, the set screw c is loosened and the rest may be then raised or lowered to bring the snap-handle in line with the holes in the glory-hole stopper or false-face. After these adjustments have been properly made the set screw and nut are tightened and the parts are thus firmly held in their adjusted positions. The supports E are then adjusted by tilting on their shaft d^2 to bring the snap-handle as it rests in their grooves in vertical alignment with the notches in the rear support and with the holes in the false-face or stopper. Should one of these holes be higher than the other, as they oftentimes are, making it necessary to tilt one of the snap handles, the whole snap-rest is first adjusted as above described on its standard to correspond with the higher hole. Then one of the rear supports E is tilted to bring the article in register or vertical alignment with the lower hole, the grooves d' serving to keep the snap handle at the same time in true register or horizontal alignment as before stated.

A snap-rest constructed in accordance with the foregoing description will not require as much care, painstaking or skill on the part of the operator and will also lessen the liability of injury to his eye-sight, inasmuch as after the parts have been properly adjusted, the article may be quickly and safely inserted in the stopper hole and heated to the required

temperature without need of the operator constantly examining the article which will be held away from the walls of the holes by the improved construction of the rest above described, thereby saving the article from chance of injury so often caused by the carelessness of the operator in his use of the ordinary snap-rests.

I would have it understood that I do not wish to be restricted to the precise construction of the tilting support shown in Figs. 1 and 2, for they may be made in various shapes, such, for instance, as is shown in Fig. 3, where E denotes one of oval form, and E² one of cubic form, either of which will perform substantially the same function as those shown in Figs. 1 and 2.

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

1. In a snap-rest, the combination with a fixed support having a series of notches, of two or more supports capable of an independ-

ent tilting movement, substantially as set forth.

2. The combination with a bracket held in place adjacent to a stopper or false-face, of a snap-rest supported by said bracket, constructed so as to permit a vertical and longitudinal adjustment of the snap-handle with respect to the holes of the said stopper or false-face, substantially, as described.

3. In combination, a supporting bracket, a standard, having a vertical adjustment therein, a bar having a longitudinal adjustment on said standard, a fixed snap support carried at one end of said bar and provided with notches or guides, and tilting supports carried at the opposite end of said bar, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT GOOD, JR.

Witnesses:

MARTIN HEERMANCE,
IRVING ELTRING.