

No. 661,428.

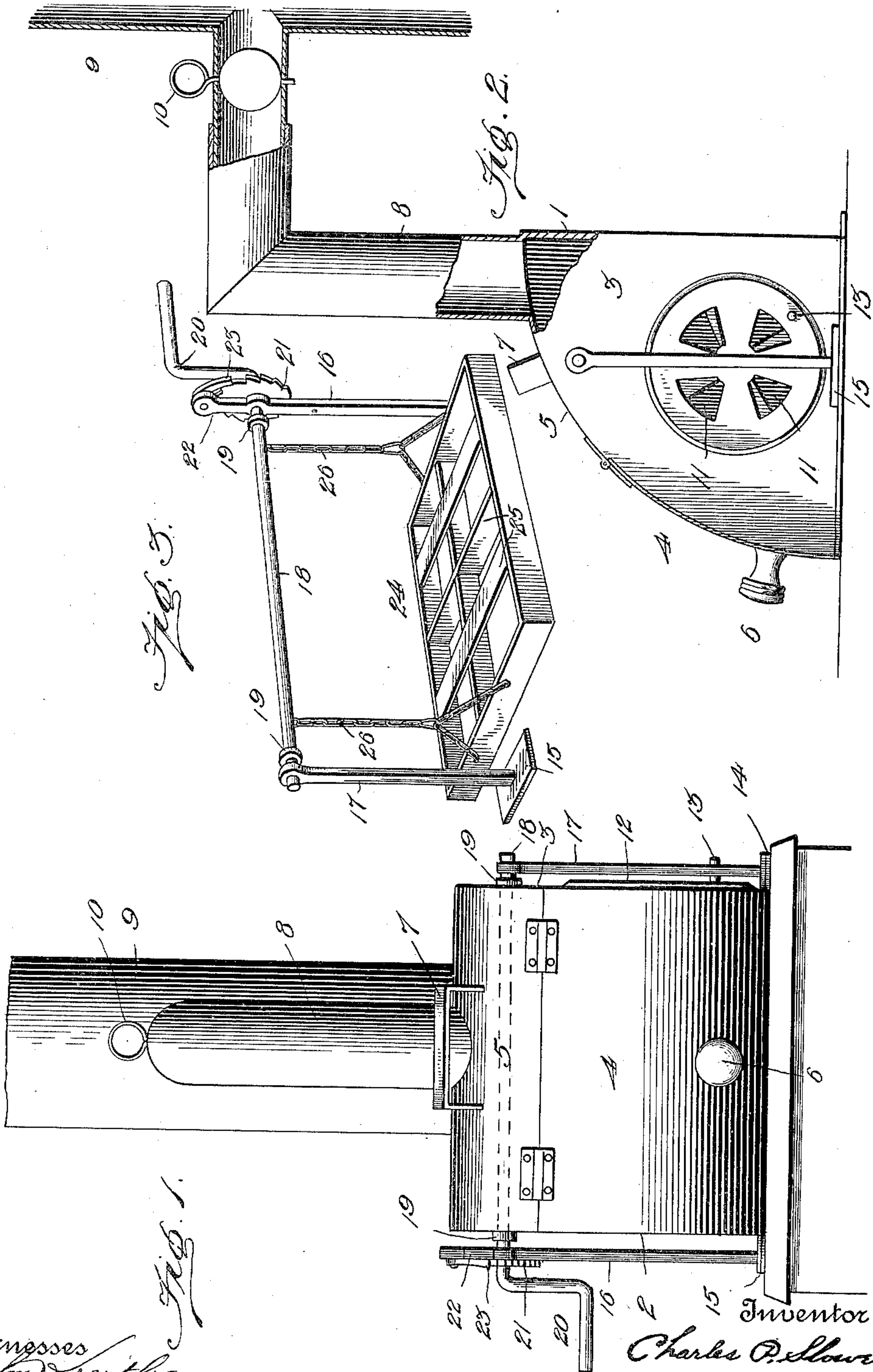
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C. P. SLOWE.

HOOD FOR COOKING STOVES OR RANGES.

(Application filed Jan. 30, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES PRESTON SLOWE, OF HUNTINGDON VALLEY, PENNSYLVANIA.

HOOD FOR COOKING STOVES OR RANGES.

SPECIFICATION forming part of Letters Patent No. 661,428, dated November 6, 1900.

Application filed January 30, 1900. Serial No. 3,273. (No model.)

To all whom it may concern:

Be it known that I, CHARLES PRESTON SLOWE, a citizen of the United States, residing at Huntingdon Valley, in the county of Montgomery and State of Pennsylvania, have invented certain new and useful Improvements in Hoods for Cooking Stoves or Ranges; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to hoods for cooking stoves and ranges adapted to be placed over the holes of a stove to prevent the escape of odors into the kitchen and to direct the smoke and odors through a suitable pipe connection into the smoke-pipe of the stove.

One object of the invention is to provide a hood of the character described with a convenient shelf for supporting dishes or cooking vessels and means for raising and lowering said shelf.

A further object is to provide the hood with a damper or ventilator for creating a draft to carry the smoke and fumes upward to the discharge-pipe.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form a part of this specification, and defined in the appended claims.

In the drawings, Figure 1 is a front elevation of the hood connected by an escape-pipe with the stovepipe. Fig. 2 is a side elevation of the same, partly in section; and Fig. 3 is a detail perspective view of the shelf and its supporting-shaft and suspending-chains.

The hood comprises a square or rectangular back 1, substantially triangular sides 2 and 3, and a curved or rounded front. The lower section 4 of the front is hinged to the upper portion 5 thereof to form a door, which is provided with a knob or handle 6. The upper fixed section 5 of the front is also provided with a handle 7 to facilitate lifting the hood on and off of the stove. An elbow-pipe 8 connects the upper section of the front with the smoke-pipe 9 of the stove, a damper 10

being arranged in the pipe 8 to regulate the draft therethrough.

One side of the hood is formed with a series of radially-disposed slots or openings 11, adapted to be wholly or partially closed by a centrally-pivoted disk 12, which is also formed with radial openings adapted to register with the openings 11. The disk 12 is provided with a knob or finger-piece 13 and serves as a damper to create and maintain a draft within the hood.

The sides 2 and 3 of the hood are formed at their lower edges with horizontally-projecting flanges 14 and 15, to each of which is secured a rod or standard (designated by the numerals 16 and 17) and perforated at their upper ends to serve as bearings for a shaft 18, which extends across the interior of the hood and projects at its ends through openings in the sides of the hood, as shown. Between the sides 2 and 3 and the standards 16 and 17 stop-collars 19 are secured upon the shaft to limit the lateral movement thereof. One end of the shaft 18 is formed or provided with a crank-handle 20, and adjacent to said crank a ratchet-wheel 21 is fixed to the shaft outside of the hood. One of the arms 22 of the perforated end of the standard 16 is extended above the other arm, and to said extended arm is pivotally secured a pawl 23, adapted to engage the teeth of the ratchet-wheel to prevent revolution of the shaft 18.

24 designates a shelf, preferably of rectangular form, consisting of a frame connected by bars or grids 25, crossing each other at right angles and adapted to serve either as a broiler or a support for plates and cooking vessels. This shelf is suspended from the shaft 18 by chains 26, connected at their upper ends to the shaft and divided or diverged at their lower ends and secured to the shelf 24.

The utility and operation of the hood and its attachments will be readily understood.

The hood incloses the top of the stove and effectually prevents the escape of fumes, odors, and smoke from the cooking into the kitchen and other apartments of the house, these products being conducted under the regulation of the dampers in the hood and escape-pipe to the chimney through the stove-pipe.

The shelf 24 may rest upon the top of the

stove to serve as a broiler or as a support for cooking vessels, or it may be elevated more or less, as desired, away from the stove by revolving the shaft 18 through the medium 5 of the crank, the pawl-and-ratchet device operating to lock the shaft at any desired elevation.

I would have it understood that the invention is not restricted to the exact construction of the shelf or to the other details shown, 10 but includes all such variations and modifications in detail as may fall within the terms and scope of the following claims.

I claim—

15 1. The combination with a stove - hood adapted to be supported upon the top of a stove, of standards secured to the outside of the hood at opposite sides thereof; a shaft extending through openings in the sides of 20 the hood and into bearings formed in the said standards, means formed on the shaft for limiting the lateral movement of said shaft; means for revolving said shaft, and a shelf suspended from the shaft within the hood 25 and adapted to be held at any suitable height

within said hood, substantially as shown and described.

2. The combination with a stove-hood provided with horizontally-projecting edges at the lower portion or base thereof, and having 30 a pipe connected with the stove-pipe and a door-and-damper device; of standards secured to the projecting flanges or edges of the hood; a shaft extending through both sides of the hood and supported in bearings 35 formed in the said standards; a handle for revolving the shaft; chains secured at their upper ends to the shaft and divided at their lower ends and secured to the shaft; means 40 for limiting the lateral movement of the shaft; and a shelf suspended within the hood and adapted to be supported at any suitable height within said hood, substantially as shown and described.

In testimony whereof I affix my signature 45 in presence of two witnesses.

CHARLES PRESTON SLOWE.

Witnesses:

PRESTON J. HEWLETT,
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