

(No Model.)

T. M. & C. A. HORNOR & T. L. EGAN.
HOOD FOR STOVES.

No. 514,003.

Patented Feb. 6, 1894.

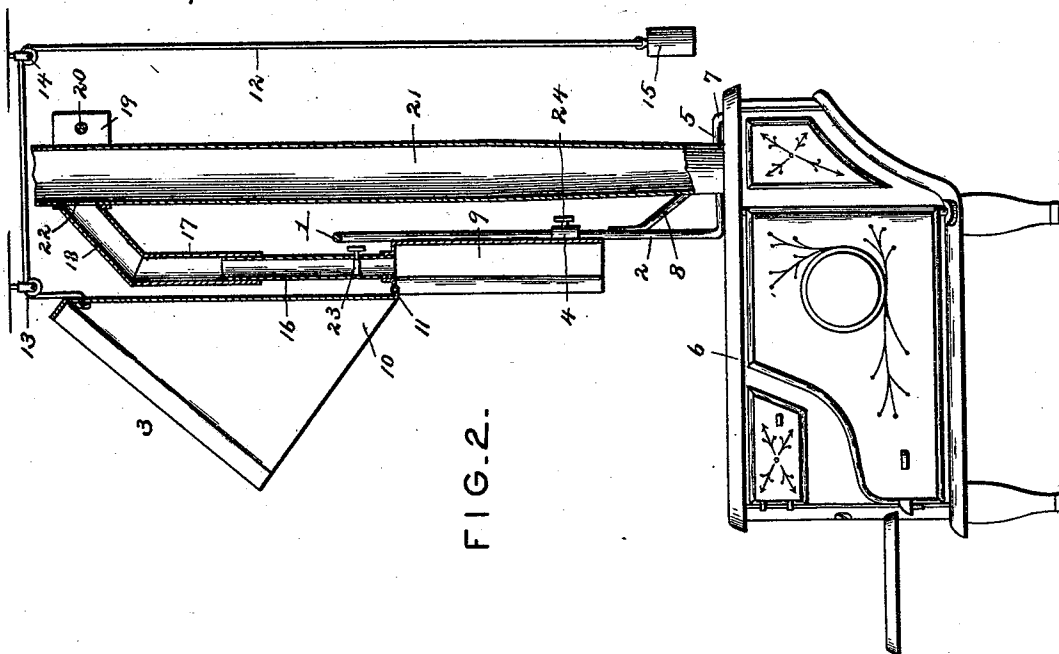


FIG. 2.

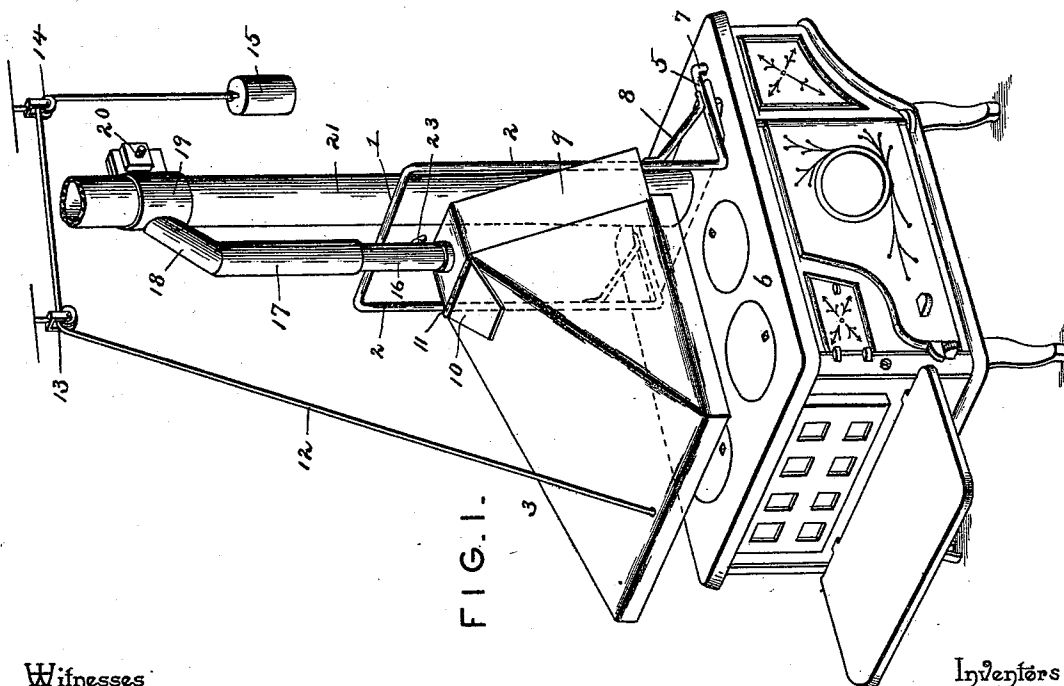


FIG. 1.

Witnesses

Harry L. Amer

[Signature]

By their Attorneys,

Inventors

T. M. Hornor

C. A. Hornor and

T. L. Egan.

Cashnow & Co.

UNITED STATES PATENT OFFICE.

THOMAS M. HORNOR, CHARLES A. HORNOR, AND THOMAS L. EGAN, OF
WESTON, WEST VIRGINIA.

HOOD FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 514,003, dated February 6, 1894.

Application filed April 14, 1893. Serial No. 470,352. (No model.)

To all whom it may concern:

Be it known that we, THOMAS M. HORNOR, CHARLES A. HORNOR, and THOMAS L. EGAN, citizens of the United States, residing at Weston, in the county of Lewis and State of West Virginia, have invented a new and useful Hood for Stoves, of which the following is a specification.

The invention relates to improvements in hoods for stoves.

The object of the present invention is to provide for cooking stoves an adjustable hood adapted to convey smoke, fumes, odors and the like arising from cooking up the flue or chimney to prevent them filling a house with unpleasant odors, and capable of being readily lifted out of the way when it is necessary to clean a stove, make a fire, or analogous purposes.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

In the drawings—Figure 1 is a perspective view of a hood constructed in accordance with this invention and shown applied to a stove. Fig. 2 is a vertical sectional view.

Like numerals of reference indicate corresponding parts in both figures of the drawings.

1 designates an approximately rectangular frame constructed of suitable metal and having parallel sides 2, which support and form guides for a hood 3 provided on its rear face with clips 4 receiving the sides of the frame. The lower ends of the sides 2 are bent horizontally to form feet 5, which rest upon the top of a cook stove 6 at the back thereof, and are provided at their rear ends with lugs 7, arranged in perforations of the top of the stove and preferably formed by bending the ends of the metal forming the frame. The sides of the frame are supported at their lower ends by braces 8, which are secured to the horizontal portions or feet 5 and to the sides 2 a short distance above the stove, and inclined downward from front to rear. The hood 3 is approximately pyramidal, the rear side or wall being vertical, and consists of a stationary section 9 and a hinged section 10,

adapted to be swung up out of the way when freer access to the stove is desired, than when the hood is in proper operative position. The section 10 is hinged at the top at 11 and is operated by a wire cord or cable 12, which has one end secured to the lower end of the hinged section 10, and which passes over pulleys 13 and 14 and has its other end depending adjacent to the back of the stove and provided with a counterbalancing weight 15, which operating with a friction caused by the cable or cord on the pulleys serves to hold the hinged section up when lifted, but is insufficient of itself to lift the hinged section. The stationary or rigid section 9 has secured to it a vertical pipe section 16, which telescopes into a similar section 17, connected by an elbow or bend 18 with a collar or band 19 surrounding the stove pipe and having its ends connected by a bolt 20. By this construction the upper section may be readily attached to a stove pipe, and in order to establish communication between the pipe sections and the stove pipe 21 it is only necessary to make a hole or opening 22 to correspond with the upper terminus of the pipe section 17, the collar or band surrounding such opening and necessitating no further joint or connection. The lower section 16 is provided with a damper 23, and the sections 16 are telescopingly connected to enable the hood to be vertically adjusted on the frame 1 without interfering with its connection with the stove pipe.

The hood is secured at any desired adjustment by set screws 24, of the clips 4 for engaging the sides of the frame 1.

It will be seen that the hood is simple and comparatively inexpensive in construction, and that it is adapted to be readily applied to and quickly adjusted to suit any ordinary kitchen or cook stove.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

What we claim is—

1. The combination with a stove having an upwardly extending stove pipe, of a frame mounted on the stove and extending upward therefrom, a hood adjustably mounted on the

frame, and a telescoping pipe having its lower end connected to the hood and having its upper end adjustably secured to the stove pipe, substantially as described.

5 2. The combination of a rectangular frame provided with parallel sides designed to be secured to and to extend upward from a stove, a hood adjustably mounted on the sides of
10 the frame and provided with clips to receive said sides, and a telescoping pipe designed to be connected with a stove pipe, substantially as described.

3. The combination of a frame having parallel sides provided with feet secured to a
15 stove and having lugs to fit in perforations thereof, a hood adjustably mounted on the frame and having a hinged section adapted to be swung upward, and a telescoping pipe provided at its upper end with a collar hav-
20 ing its ends connected by a bolt and adapted to encircle a stove pipe, substantially as described.

4. The combination of a frame having parallel sides provided with feet secured to a stove and having lugs to fit in perforations
25 thereof, a hood adjustably mounted on the frame and having a hinged section adapted to be swung upward, a weighted cord connected to the hinged section, and a telescoping pipe provided at its upper end with a col-
30 lar having its ends connected by a bolt and adapted to encircle a stove pipe, one of the sections of the telescoping pipe being carried by the hood in its movements, substantially as described.

35 In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

THOMAS M. HORNOR.
CHARLES A. HORNOR.
THOMAS L. EGAN.

Witnesses:

W. A. GAYLORD,
JOHN RILEY.