

(No Model.)

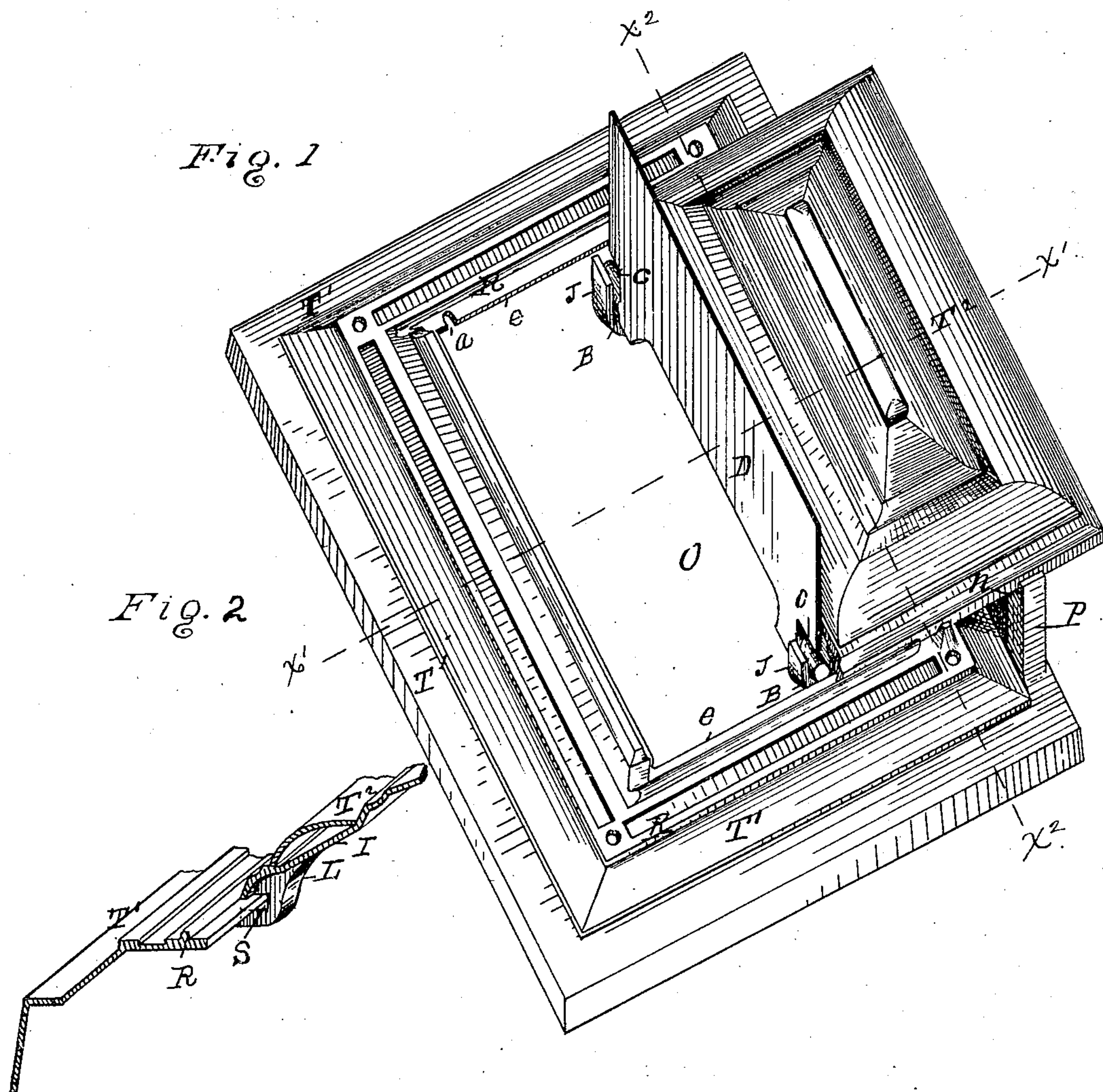
2 Sheets—Sheet 1.

G. G. WOLFE.

STOVE.

No. 313,568.

Patented Mar. 10, 1885.



Witnesses:

Stanley M. Holden

Charles S. Brintnall

Inventor:

Gordon G. Wolfe

by W. E. Hagan his atty

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Fig. 3

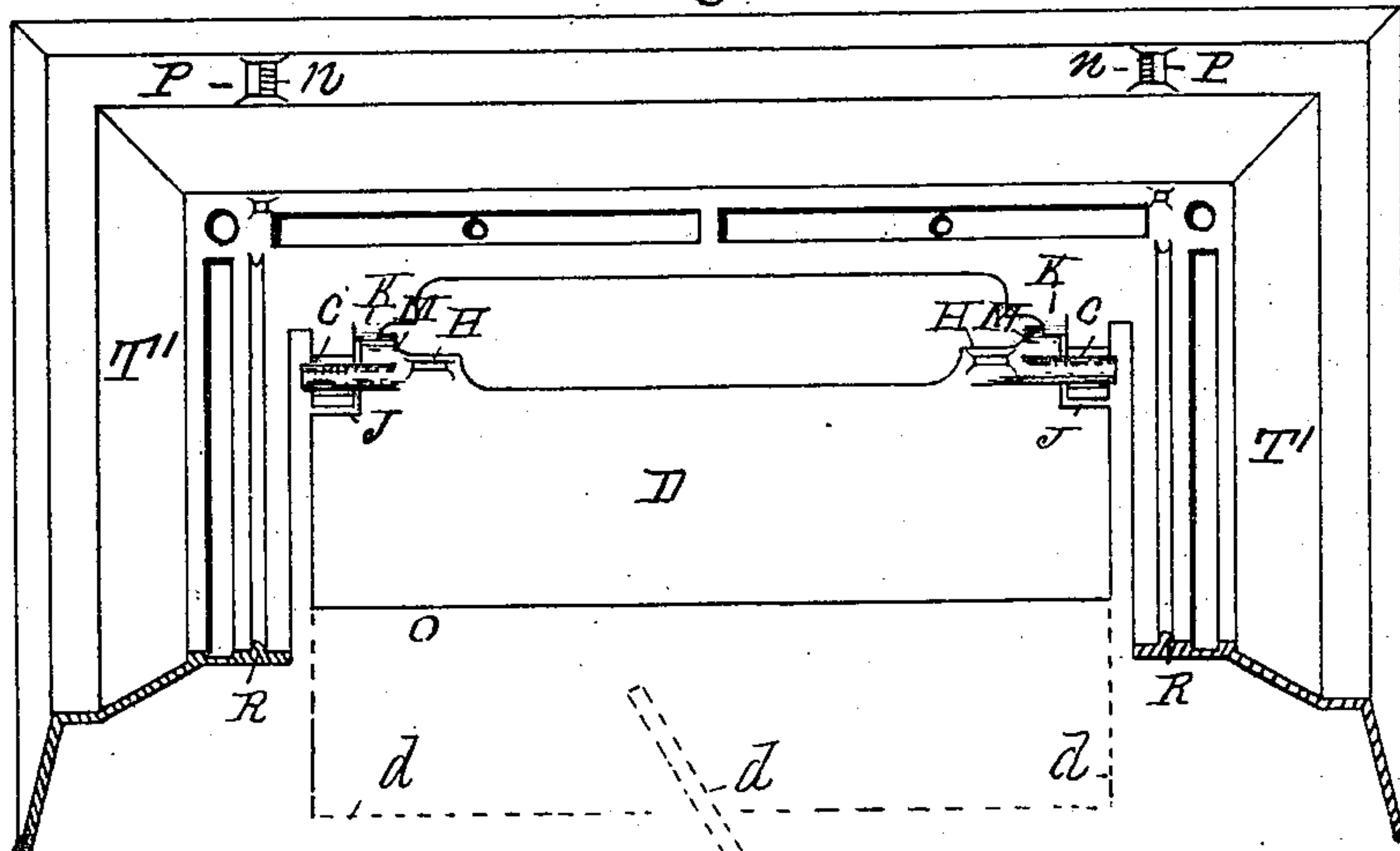
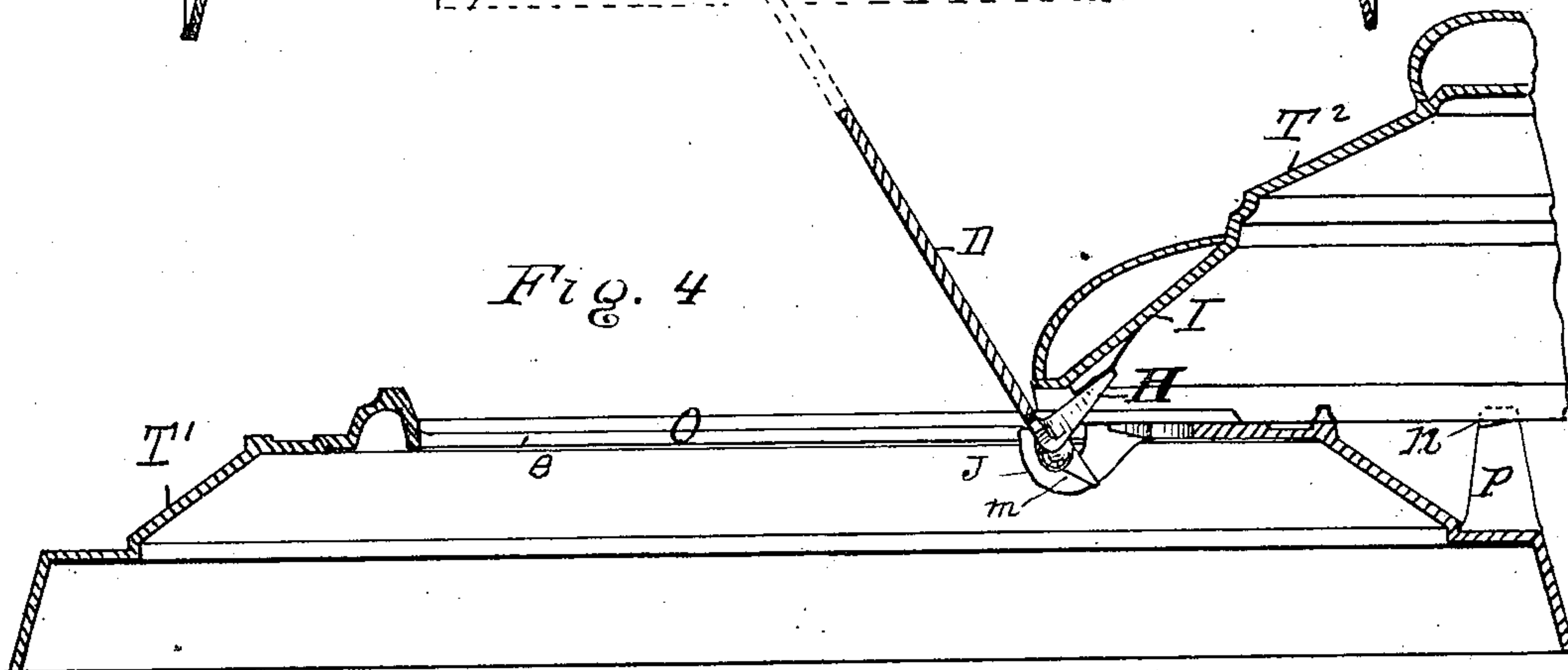


Fig. 4



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UNITED STATES PATENT OFFICE.

GURDON G. WOLFE, OF TROY, NEW YORK, ASSIGNOR TO THE FULLER & WARREN COMPANY, OF SAME PLACE.

STOVE.

SPECIFICATION forming part of Letters Patent No. 313,568, dated March 10, 1885.

Application filed March 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, GURDON G. WOLFE, of the city of Troy, county of Rensselaer, State of New York, have invented a new and useful Improvement in Sliding Tops for Parlor-Stoves, of which the following is a specification.

My invention relates to a novel construction of the tops of parlor-stoves, by which the stove-top proper is adapted to slide back and forth from over the opening in the stove-top through which fuel is fed to the fire, and which is also adapted to operate an inner hinged guard, my invention being an improvement on that class of apparatus used for a like purpose, in which a pivoted top is adapted to swing out horizontally around on its pivoted connection.

Accompanying this specification, to form a part of it, there are two plates of drawings, containing four figures illustrating my invention, with the same designation of parts by letter-reference used in all of them.

Of these illustrations, Figure 1 shows a perspective of a stove-top in which a part of the stove-top is shown as moved back to disclose an opening made therein, and showing also an inner hinged door or guard as also opened. Fig. 2 illustrates a section taken through the sliding part of the top and the edge of the opening on the line $x' x'$ of Fig. 1. Fig. 3 shows a plan of a part of the stationary portion of the stove-top, with the sliding part of the top removed. This figure shows also the position of the inner hinged door or guard. Fig. 4 shows a cross-section taken through the sliding top, the stationary part of the stove-top, and the inner hinged door or guard, with the latter illustrated as opened, this view being taken on the line $x^2 x^2$ of Fig. 1.

The several parts of the mechanism are designated by letter reference, and their function is explained as follows:

The letter T' designates the stationary part of the stove top, and T^2 the sliding or movable part.

The letter L indicates lugs projected from the under surfaces of the sides of the sliding top, and of which there is one on each side of the sliding top oppositely placed near the front.

These lugs are constructed with the horizontal slots or guideways s , of which there is one in

each lug, and which slots are adapted to receive the side edges of the stove-top opening O , and thus produce a sliding connection for the movement of the sliding top, the side edges thus employed being indicated at e .

The letter a designates a vertical slot made in one edge of the opening O , the purpose of which is to enter the sliding top on its slide-ways, and which is accomplished by raising one end of the sliding top and by entering that side edge of the top opening O (which is opposite to the one in which the vertical slot a is made) within the slot s of the adjacent lug L , and then allowing the raised end of the sliding top to descend so as to pass the unengaged lug through the said vertical slot a , which brings the horizontal slot s of the lug in a position to receive the adjacent side edge of the top opening when the sliding top is moved rearwardly therefrom.

The letter R indicates an upwardly-projected rib, constructed on the stationary part of the top a short distance from the edge of the opening O , the purpose of which is to form a guideway for the subtending overlapping side edges of the sliding top.

The letters $P P$ indicate studs which are upwardly projected from the stationary part of the top at the rear of the latter, the purpose of which is to support the sliding top when moved rearwardly and from over the opening O . These studs or posts are made with jogs or notches n on the inner faces of their upper ends, which adapts them to act as guides for the sides of the sliding top when the latter passes from over the opening O .

The letter D indicates a door or guard, which is hung upon trunnions C , that are made on the ends of the said door or guard at its rear side. These trunnions have bearings B made in projections J , which latter are frontwardly extended from the rear edge of the top opening O .

The letters $H H$ designate posts projected upwardly from the top surface of the door or guard and arranged thereon between the trunnions on which the said door or guard is hinged. These posts H , as the sliding top is moved back, engage with the inclined under surface, I , of the sliding top, and which engagement swings up, so as to open the said door or guard,

and, as the latter is hung, when this engagement terminates, the said door or guard by gravity swings back to place, the descent of the latter below a horizontal plane being prevented by the engagement of the ears M M on the rear of said door or guard, which are arranged to underlap the the projection K on the rear edge of the top opening O. The purpose of this door or guard is to have the latter raise up after and to open against the front edge of the sliding top as the latter is moved rearwardly from over the opening O, so that the guard will by its position prevent the dust and coal being fed into the top opening from lodging upon the top. When this device D is enlarged, as indicated by the dotted line *d d* of Figs. 3 and 4, it may be used as a supplemental door for the top opening O.

I disclaim the combination of an opening made in the dome-form side of a fire-place-heater top, and a door or cover combined with a screen and adapted to slide in curved ways that correspond with the contour of said dome side, said door and screen being adapted to close said side opening in the magazine and a gas-passage leading from said magazine, as such a construction has been patented.

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

1. In a heating-stove, the combination of the stationary part of the stove-top *T'*, having the opening O, and made with passage-way *a* in one side of the latter, and the movable part of the top *T*², having its side edges made to overlap the side edges of said opening, and constructed with the slotted lugs L on the side edges of its under surface, which lugs are constructed to embrace the side edges of said opening, substantially in the manner as and for the purposes set forth.

2. In a heating-stove, the combination of the stationary part of the stove-top *T'*, made with the opening O, the latter having parallel sides, the movable stove-top *T*², making a sliding connection with the sides of said opening, and the posts P P, arranged on said stove-top at the rear thereof, and adapted to support said movable top when moved rearwardly over said posts, substantially in the manner as and for the purposes set forth.

3. In a stove, the combination of the slides *e* on two sides of the central opening, one of said slides having a vertical slot, *a*, in its edge, the sliding top *T*², provided with lugs L, having slots *s*, working on said slides, and the posts P at the rear of the fixed portion of the top, for the purpose of supporting the movable cover when pushed back over said posts, substantially as described.

4. In a heating-stove, the combination of the stationary part of the top *T'*, made with the opening O, the movable part *T*², made with the incline I on its under side, and at its sides having a sliding connection with the sides of the opening, as shown, the posts P on the stationary part of the top adapted to support the said sliding top when moved rearwardly over said posts, the hinged guard D, made with the posts H, adapted to engage with the incline I on the sliding top, substantially in the manner as and for the purposes set forth.

Signed at the city of Troy, New York, this 15th day of March, 1884, and in the presence of two witnesses, whose names were by them hereto written.

GURDON G. WOLFE.

Witnesses:

AUG. H. EATON,
CHARLES S. BRINTNALL.