

(No Model.)

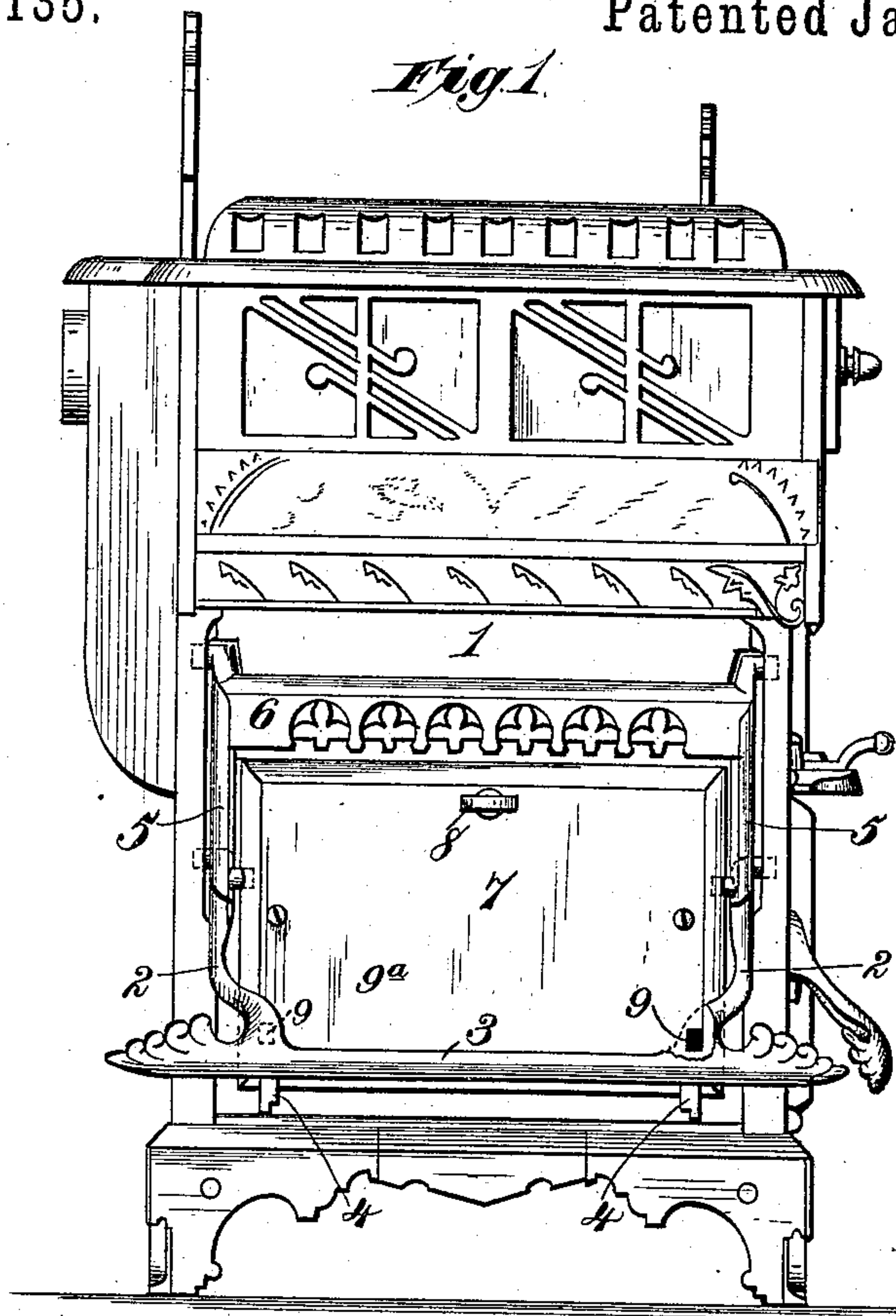
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END SHELF FOR STOVES.

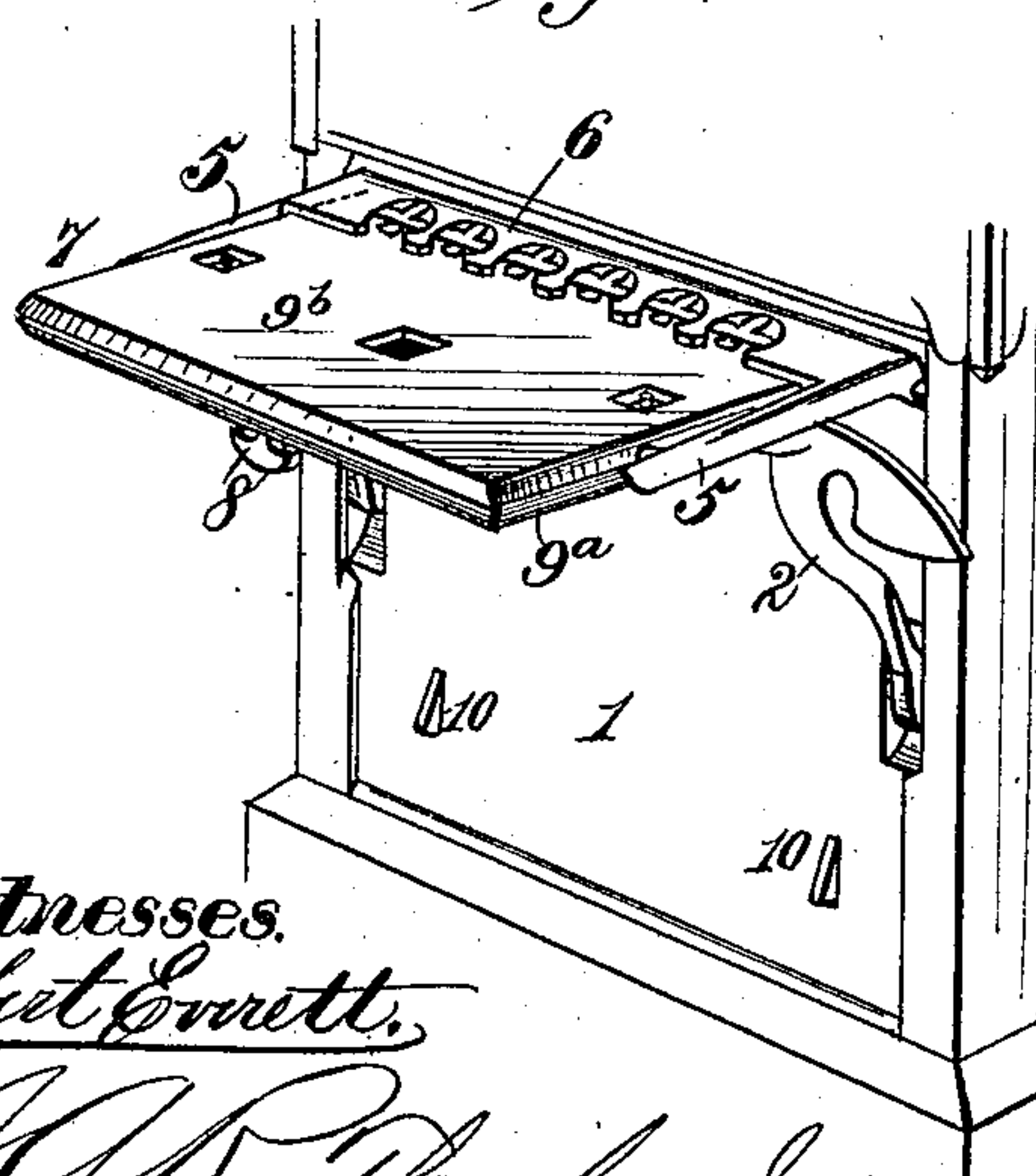
No. 334,135.

Patented Jan. 12, 1886.

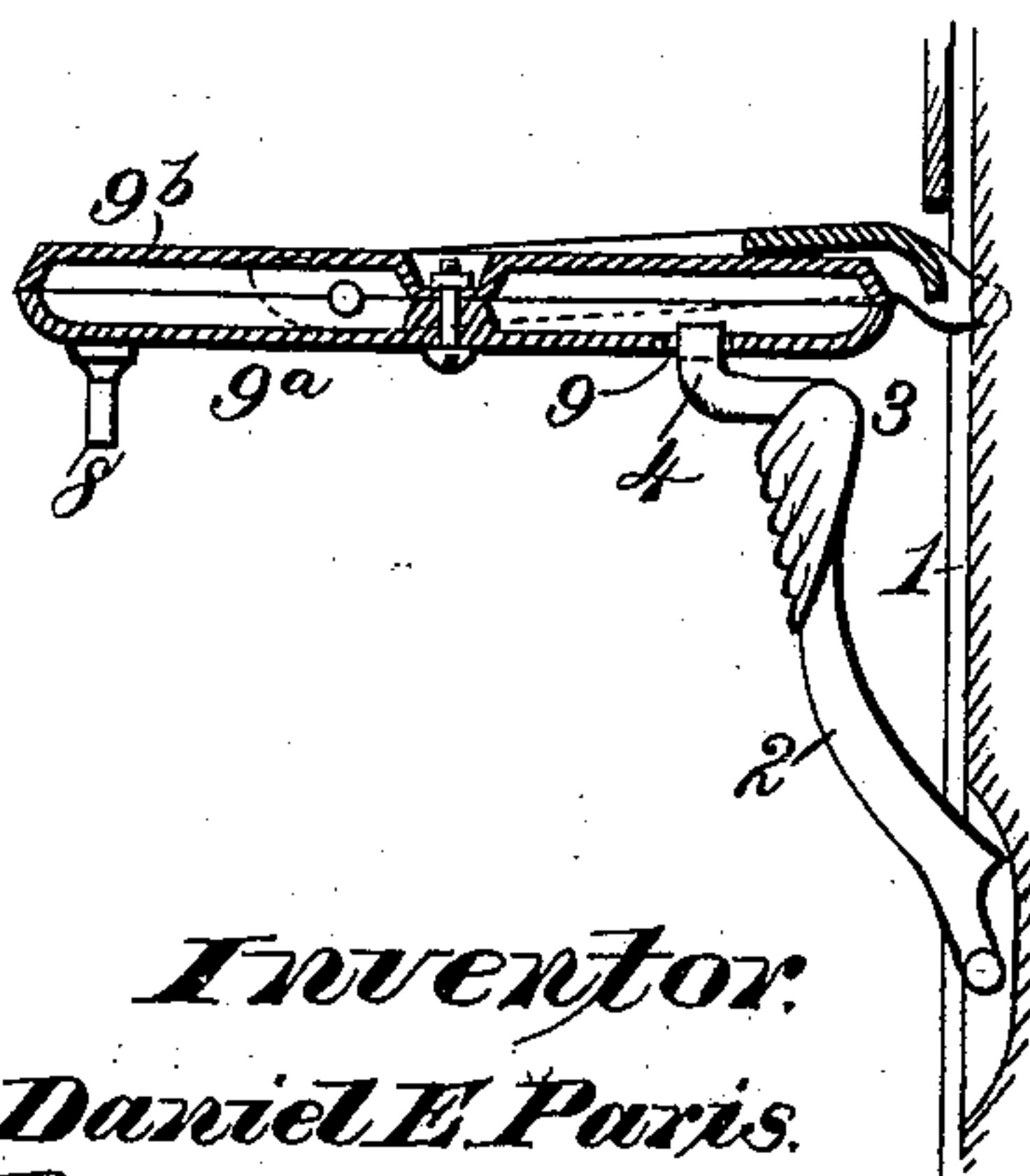
*Fig. 1*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*

Robert Everett.

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# UNITED STATES PATENT OFFICE.

DANIEL E. PARIS, OF TROY, NEW YORK.

## END SHELF FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 334,135, dated January 12, 1886.

Application filed December 31, 1884. Serial No. 151,627. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL E. PARIS, a citizen of the United States, residing at Troy, Rensselaer county, New York, have invented  
5 new and useful Improvements in End Shelves for Stoves, of which the following is a specification.

My invention relates more especially to that class of stoves shown in applications for patents filed of even date herewith, and adapted  
10 to be used interchangeably as heating-stoves for the parlor and dwelling-rooms or for cooking purposes.

It is the purpose of my invention to provide this or any other class of stoves with shelves pivoted or swiveled within a supporting-frame upon one or both ends of the stove-body, and to so combine the same therewith and with an arm or a rail, which may be  
15 a foot-rail carried by arms hinged or pivoted to the stove, that said shelf may either lie against and form part of the apparent outer wall of the stove, or may be thrown up into horizontal position and supported by the up-  
20 turned arm or rail with its inner face uppermost, whereby said shelf may be heated while in the former position by contact with the wall of the stove, and may be turned up and brought into a horizontal position, to afford  
25 support to dishes or other articles placed thereupon.

The invention consists in the several novel features of construction and combinations of parts hereinafter fully set forth, and illustrated in the drawings forming part of this  
35 application, in which—

Figure 1 is an end elevation of a stove containing my invention, the shelf being shown as it appears when thrown down and lying  
40 against the wall of the stove. Fig. 2 is a perspective view showing the shelf raised into a horizontal position. Fig. 3 is a sectional view taken transversely to the shelf, the section-plane passing through one of its points  
45 of support.

In the said drawings, the reference-numeral 1 denotes the body of the stove, which may be of any suitable form and construction. Upon the ends of said stove are pivoted, in  
50 any suitable bearings, arms 2, which support a rail, 3, upon which said arms may be cast or to which they may be attached in any man-

ner affording a secure connection. Upon this rail, at any points between its extremities, are formed studs 4, depending from its lower side  
55 as the rail hangs in the position shown in Fig. 1. Upon the end of the stove, above the pivotal points of the arms 2, is attached a frame composed of two parallel arms, 5, connected rigidly near their upper ends by a  
60 transverse metallic strip, 6. The upper extremities of the arms 5 have pivotal connection with the wall of the stove in any suitable manner, and between their lower or free ends is swiveled or pivoted a shelf-plate, 7, the  
65 points of support being placed a little above the median line of said shelf. A knob or handle, 8, projects from the outer face of the latter near its upper edge, and within the angles formed by the parallel ends and the  
70 lower edge of said shelf are formed apertures 9, each arranged in the same vertical plane with the corresponding stud 4 upon the rail 3. The shelf-plate 7 may be made hollow, an  
75 air-space being formed between its inner and outer faces, which are composed of separate plates 9<sup>a</sup> and 9<sup>b</sup>; or it may be formed of a single plate, having open-work to permit radiation. By either construction the weight of the shelf is greatly diminished, and the outer surface  
80 may conveniently be decorated by nickel-plating or otherwise. The inner surface of the shelf lies against the heated end wall of the stove, and readily acquires heat from the latter, which is communicated to dishes set  
85 upon the shelf when the latter is supported in horizontal position.

The manner of using the shelf is as follows: By seizing the knob 8 the shelf is swung outwardly, bringing its inner surface, or that  
90 which lies in contact with the stove, upward and into a horizontal position, the edge of said shelf lying under and being held by the transverse strip 6. The rail 3 is then turned up beneath said shelf, and the points of the  
95 studs 4 are inserted in the aperture 9, formed in the outer plate, 9<sup>a</sup>. These studs, in combination with the strip 6, give support to and retain the shelf in a horizontal position, as shown in Fig. 2.

The strip 6 may be ornamented in any desired manner, as may also the arms which carry the foot-rail and those between which the shelf is swiveled.



Lugs 10 are formed upon the end wall of the stove, to prevent the shelf when dropped from lying closely against it.

It is evident that I may dispense with the 5 foot-rail entirely and simply use the arms which carry it, or I may use a rail of any pattern or form, the essential feature being a stud or point which shall engage with the shelf. This engagement, also, may be with 0 lugs or other devices upon the shelf instead of the apertures named.

What I claim is—

1. The combination, with a stove, of two projecting shelf-carrying arms having a hinged 5 connection with the stove at their inner ends, a shelf having a hinged connection with the outer ends of said arms, and a supporting arm or arms pivoted to the stove and provided with a device for engaging with the 0 shelf between the said shelf-carrying arms, substantially as described.

2. The combination, with a stove, of projecting shelf-carrying arms having a hinged 5 connection with the stove at the inner ends, a shelf having a hinged connection with the outer ends of said arms, two supporting-arms pivoted to the stove, and a rail connecting the outer ends of the supporting-arms and

engaging the shelf between the shelf-carrying arms, substantially as described. 30

3. The combination, with a stove, of shelf-carrying arms having a hinged connection with the stove at their inner ends, a shelf having a hinged connection with the outer 35 ends of said arms, supporting-arms pivoted to the stove, and a rail connecting the supporting-arms and provided with attached studs engaging the shelf between the shelf-carrying arms, substantially as described.

4. The combination, with a stove, of shelf-carrying arms hinged to the stove at their 40 inner ends, a rigid strip connecting said arms adjacent to their inner hinged ends, a shelf having a hinged connection with the outer ends of said arms, supporting-arms pivoted 45 to the stove, and a rail connecting the supporting-arms and provided with attached studs engaging the shelf between the shelf-carrying arms, substantially as described.

In testimony whereof I affix my signature in 50 presence of two witnesses.

DANL. E. PARIS.

Witnesses:

JAS. H. CARPENTER,  
ARTHUR W. BRADLEY.