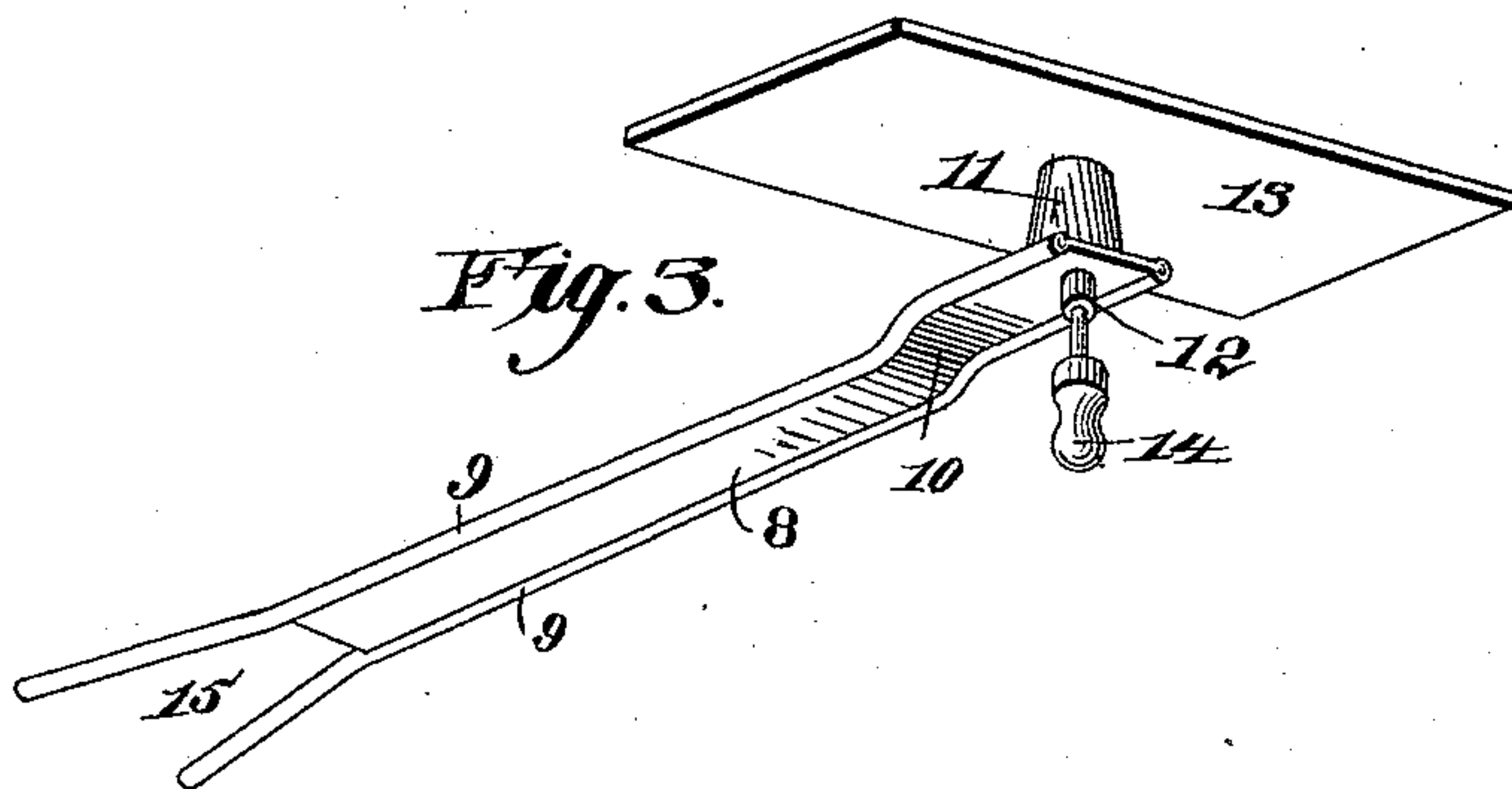
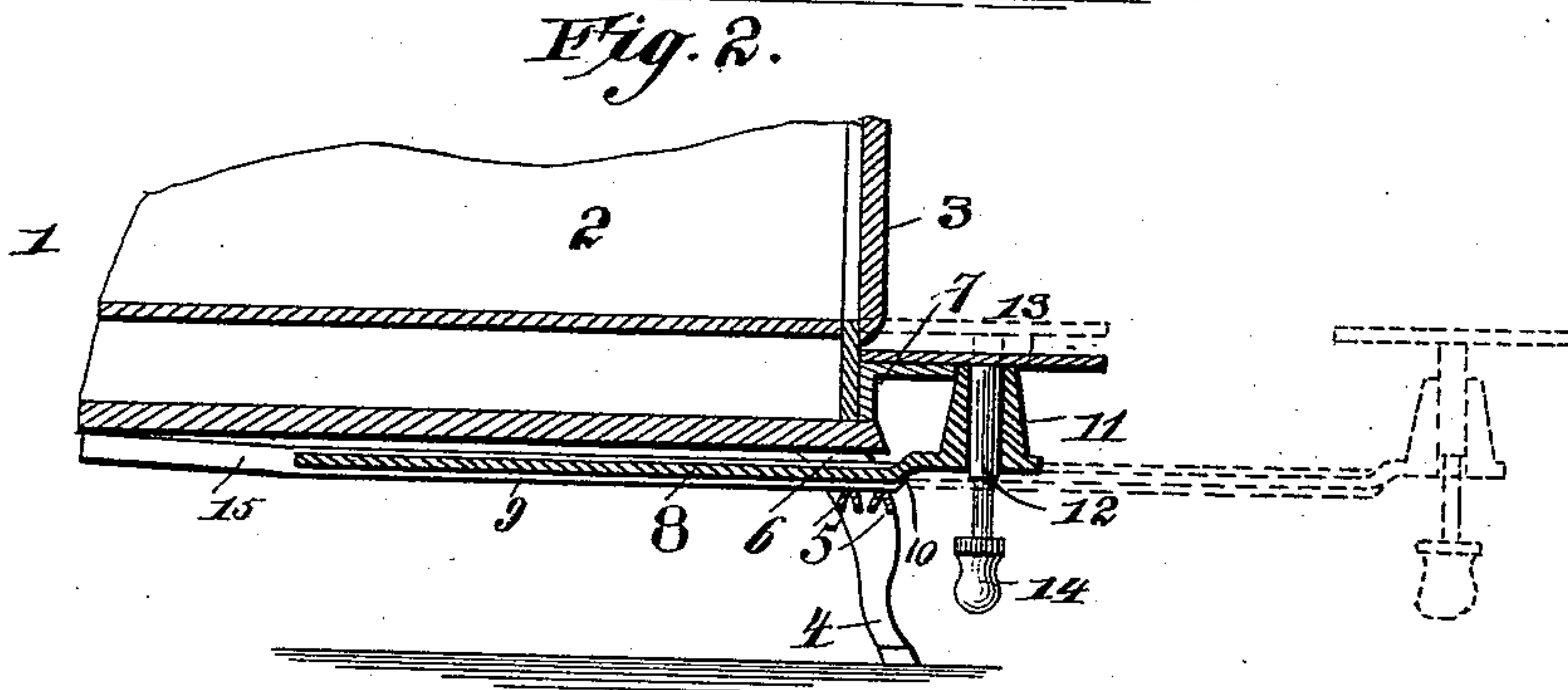
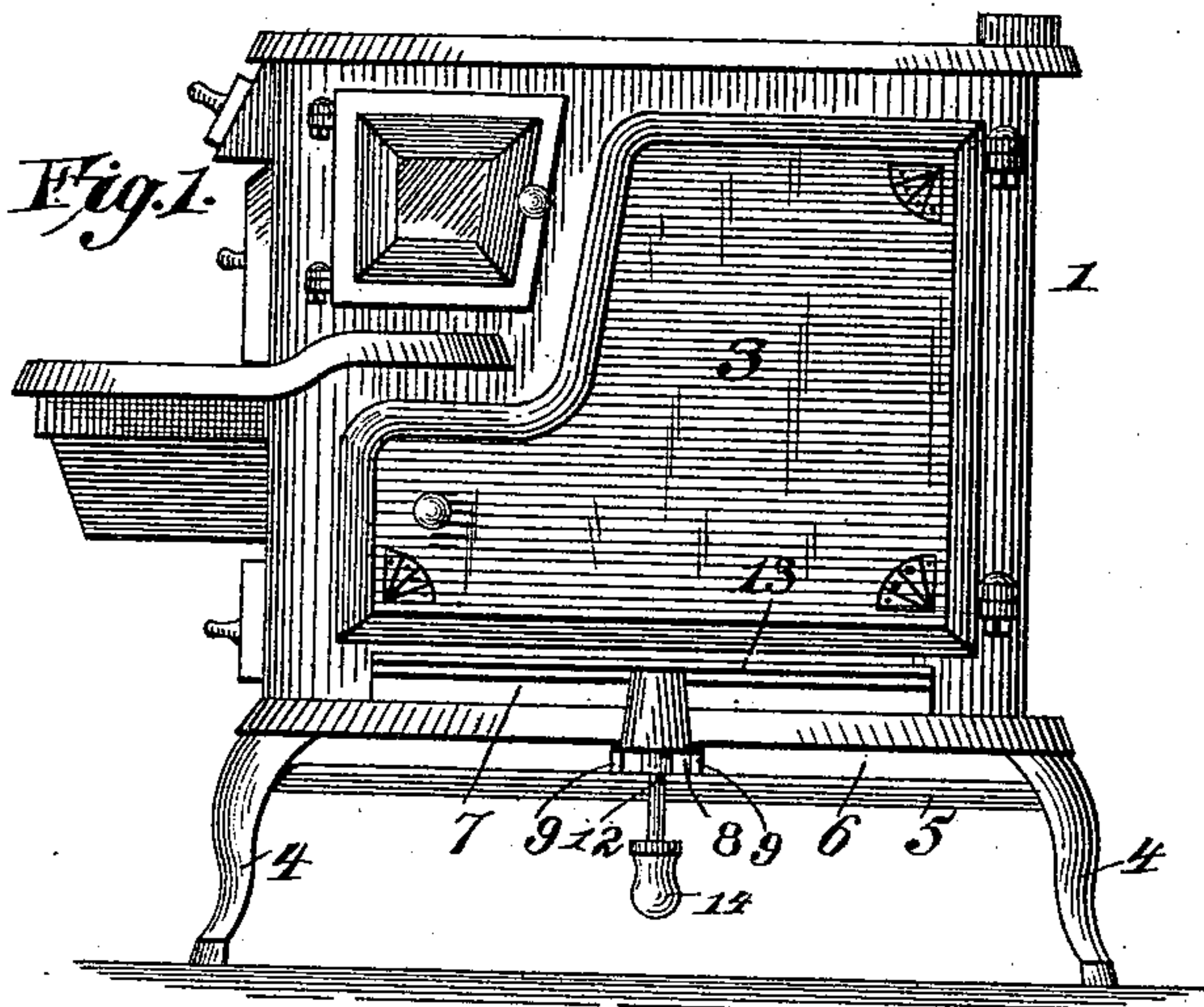


(No Model.)

A. A. GASTON.
SHELF FOR STOVES.

No. 446,115.

Patented Feb. 10, 1891.



Witnesses:

H. F. Dieterich

W. S. Duwall

Inventor

Albert A. Gaston.

By *his* Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

ALBERT A. GASTON, OF CHARLOTTE, NORTH CAROLINA.

SHELF FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 446,115, dated February 10, 1891.

Application filed September 20, 1890. Serial No. 365,655. (No model.)

To all whom it may concern:

Be it known that I, ALBERT A. GASTON, a citizen of the United States, residing at Charlotte, in the county of Mecklenburg and State of North Carolina, have invented a new and useful Shelf for Stoves, of which the following is a specification.

This invention has relation to attachments for cooking-stoves; and the objects in view are to provide an extensible swiveled shelf adapted to receive the dripping-pan or other culinary article from the oven and conveniently turn the same so as to present each side to the hottest side of the oven.

The invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is an elevation of a cooking-stove provided with an attachment constructed in accordance with my invention. Fig. 2 is a vertical transverse section of a portion of the stove. Fig. 3 is a detail in perspective of the attachment.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the shell or casing of the stove, 2 the oven of the same, and 3 the usual hinged door for covering the opening to the oven.

4 designates the stove-legs, those two at the oven-side of the stove being connected immediately below the bottom of the stove by means of a pair of transversely-opposite bars 5, arranged a short distance apart, and preferably being triangular in cross-section with their narrow edges uppermost. If desired, the skirt, which in the present instance is omitted, may be employed and provided with a slot immediately under the bottom of the stove, which slot takes the place of the slot 6, formed by the bars and the bottom of the stove.

Immediately above the bottom of the stove and directly below the lower edge of the oven-opening there is secured to the stove an inverted-L-shaped shelf or ledge 7.

8 designates an arm, the opposite edges of which are preferably provided with beads 9, extending above and below the central portion of the arm, and said arm as a whole is provided with a bend or shouldered offset 10 a slight distance in rear of the front end of

the same, and at said end is provided upon its upper side with a collar 11, in which is swiveled and mounted for reciprocation a spindle 12 considerably longer than the collar. Above the collar the spindle carries a rectangular or other shaped shelf 13, and at its lower end said spindle is provided with a wooden, metal, or other knob 14 for operating the spindle. The rear end of the arm is bifurcated, as at 15, the branches or bifurcations diverging and designed to take under and against the bottom of the stove, and thus form a support and means of adjustment for the arm when in any of its various positions, it being understood that the aforesaid arm is passed through the slot 6.

In operation the door is opened and the arm drawn out sufficiently to permit of the spindle being pushed upward and partially rotated, so as to rest one end of the shelf 13 upon the bottom of the oven. The dripping or other pan is now drawn from the oven upon the shelf 13, and the shelf and sliding arm drawn outwardly from the stove, after which said shelf may be rotated partially and returned to its position upon the oven-floor and the pan replaced within the oven. After the pan has been replaced the spindle is lowered so that the shelf 13 rests upon the legs 7. It is apparent that the supporting-arm may be moved in and out and from one side to the other so as to assume numerous positions convenient to the cook.

Having described my invention, what I claim is—

1. The combination, with a stove having an oven and a slot located below the oven, of an arm mounted in the slot and taking under the bottom of the stove, and a shelf pivoted upon the outer end of the arm, substantially as specified.

2. The combination, with a stove having an oven and below the same and its bottom a longitudinal slot, of an arm mounted loosely in the slot and terminating under the bottom of the stove and provided at its front end with a bearing-opening, a spindle mounted in the opening and longer than the bearing, a shelf mounted on the spindle, and a knob secured to the under side of the spindle, substantially as specified.

3. The combination, with a stove and its oven, of a pair of bars located below the bottom of the stove and combining therewith to form a slot, a ledge secured to the stove above the slot, an arm having a shoulder near its front end loosely mounted in the slot and having its rear end bifurcated and diverged to form supports and at its front end provided with a bearing-collar, a spindle mounted loosely in the collar, a shelf mounted on the upper end of the spindle, and a knob secured to the lower end of the same, substantially as specified.

4. As an attachment to stoves, the arm loosely supported and adapted to reciprocate below the oven, and a shelf pivoted upon the outer end of the arm and also movable vertically independent of the arm, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ALBERT A. GASTON.

Witnesses:

RICHARD MOORE,
E. W. BERRYHILL.