

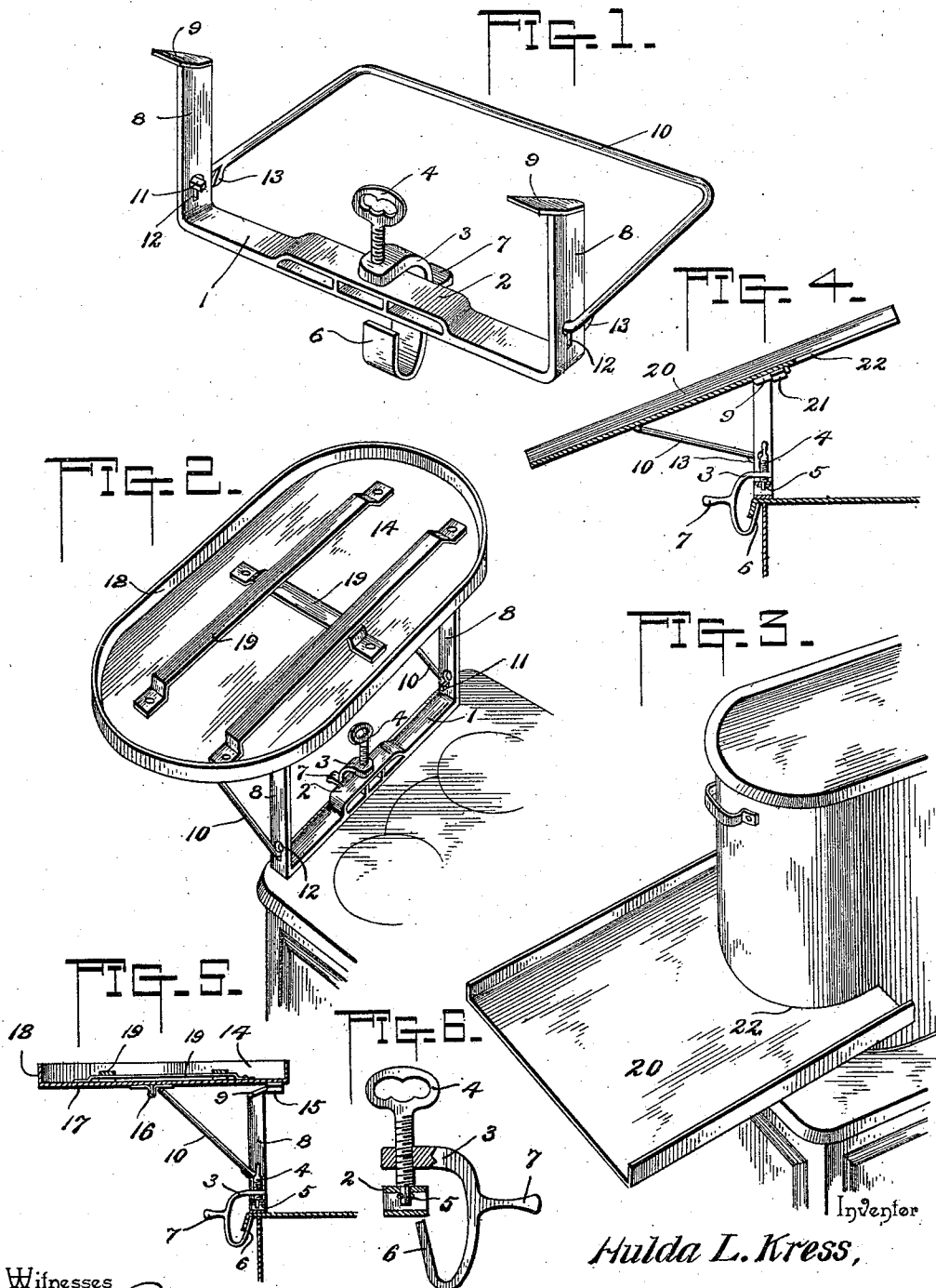
(No Model.)

H. L. KRESS.

COMBINATION RACK AND SUPPORT ATTACHMENT FOR STOVES.

No. 574,806.

Patented Jan. 5, 1897.



Witnesses

*A. M. Dwyer*

*R. M. Smith*

By her Attorneys,

*C. A. Snow & Co.*

# UNITED STATES PATENT OFFICE.

HULDA L. KRESS, OF HOLYOKE, MASSACHUSETTS.

COMBINATION RACK AND SUPPORT ATTACHMENT FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 574,806, dated January 5, 1897.

Application filed August 5, 1896. Serial No. 601,786. (No model.)

*To all whom it may concern:*

Be it known that I, HULDA L. KRESS, a citizen of the United States, residing at Holyoke, in the county of Hampden and State of Massachusetts, have invented a new and useful Combination Rack and Support Attachment for Stoves, of which the following is a specification.

This invention relates to combination rack and support attachments for stoves, and has for its object to provide a bracket adapted to be detachably secured to the rim of a stove and to constitute in itself a rack for drying towels and other articles and also to form a support for a dish-holding tray or for a drip-plate or shield.

To this end the invention consists in certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and embodied in the claims hereto appended.

In the accompanying drawings, Figure 1 is a perspective view of the improved attachment. Fig. 2 is a similar view showing a dish-holding tray or shelf connected to a stove and supported by means of the improved attachment. Fig. 3 is a similar view showing a shield or drip-plate supported upon the stove by means of the attachment. Fig. 4 is a sectional view of the same. Fig. 5 is a similar view showing the manner of supporting the dish-tray. Fig. 6 is a detail section showing the manner of mounting the clamping-screw.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

The attachment contemplated in this invention comprises a pair of substantially U-shaped or three-sided frames having a loose pivotal connection with each other. One of these frames (indicated at 1) is provided at or near its center with a raised portion or strip 2, substantially parallel with the main body of the frame, but slightly elevated above the same and separated therefrom, so as to leave an intervening space.

3 indicates a clamp which is connected to the frame 1 by means of the clamping thumb-screw 4, which passes through the clamp and downward through the raised portion 2 of the frame, between which and the main body

of the frame the end of the clamp-screw is engaged by means of a cotter or split pin 5, which embraces the end of the screw and is held in place by engaging opposing notches in the screw, as shown. The lower end of the screw where it passes through the portion 2 of the frame is smooth and threadless, so that a swiveled connection of the screw with the frame is obtained. The body of the clamp comprises a hook 6, adapted to engage under the rim of the stove, and a lip or handle 7, by means of which the clamp may be grasped and held by one hand while clamping the attachment to a stove.

8 designates the arms of the frame 1, which are spaced any suitable distance apart and provided at their upper ends with hooked rests 9, the purpose of which will hereinafter appear. The other frame, 10, is bail-shaped and provided at its extremities with inwardly-extending flattened ends or studs 11, which work in keyhole-slots 12, formed in the arms 8 of the frame 1. When these studs are in the enlarged ends of the slots, the bail-shaped frame may be swung relatively to the frame 1, but when these studs are lowered into the narrow portions of the slots the bail-shaped frame is prevented from swinging. The frame 10 is also provided adjacent to the studs 11 with laterally-projecting stops or shoulders 13, which limit the downward movement of the frame 10 by abutting against the arms 8 of the frame 1, as shown.

After the attachment has been applied to the rim of a stove, as shown in Fig. 5, a dish-holding tray 14, provided upon its under side with eye-clips 15 and a centrally-located stop or projection 16, is applied to said attachment or bracket. The clips 15, which are arranged near the inner edge of the tray 14, are engaged with the hooked rests 9, as shown in Fig. 4, and the bail-shaped frame 10 is rocked upward until it engages the central stop or projection 16, bearing against said stop upon the side adjacent to that edge of the tray containing the clips 15, and as clearly shown in Fig. 4. When in this position, the studs 11 will drop into the narrow portions of the slots 12, thus locking the frame 10 and forming a rigid bracket for upholding the dish-tray. The dish-tray comprises a plate 17 of thin sheet metal, surrounded by an upwardly-extending

flange or guard 18, and is provided with several horizontal rests 19, extending longitudinally and transversely of the tray and slightly elevated above the bottom of the tray, so that any dripping which occurs while serving or dishing out meats, vegetables, and other articles will be caught by the tray and prevented from coming in contact with the bottoms of the dishes, the latter being supported above the bottom of the tray by means of the rests above described.

20 designates a drip-plate or shield adapted to be used in connection with washboilers and to be supported upon the bracket or attachment hereinabove described. This shield, like the tray 14, is provided upon its under side with clips 21, adapted to be engaged by the hooked rests 9 of the bracket, and said shield is provided at its inner and upper end with a circular cut-out 22, by means of which the shield is adapted to embrace one end of the washboiler while resting on the stove. The opposite longitudinal edges of the shield are bent substantially at right angles and upward to form guards for preventing the water from running over such edges and for directing the same downward into a washtub placed under the lower end of the shield. When this shield is placed upon the bracket or attachment described, the bail-shaped frame 10 is lowered into the position shown in Fig. 4, with the studs 11 in the enlarged ends of the slots 12. The frame 10 thus serves to support the drip-plate or shield 20 in an inclined position, so that as the boiling-hot clothes are withdrawn from the washboiler and placed in the tub the shield will catch all the drip and convey the water to the tub, while the stove will be effectually covered and protected.

From the foregoing description it will be seen that the improved attachment or bracket may be easily attached to or removed from any ordinary stove, and that it is adapted to be used as a rack for drying towels, cloths, and other articles, in which case such articles are suspended upon the cross-bar of the frame 10, or the bracket is adapted to serve as a support for a dish-holding tray or as a support for a shield or dripping-plate when removing clothes from the boiler and depositing them in the tub.

The attachment is very simple and inex-

pensive in its construction, may be sold at low cost, and will be found of great convenience and utility in the household.

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

Having thus described the invention, what is claimed as new is—

1. A combination rack and support attachment for stoves, consisting of a frame having hooked rests for engaging clips on the bottom of a plate adapted to be detachably supported thereon, a clamp connected to said frame and adapted to secure the same to a stove, and a frame having a loose connection with the first frame and serving as a brace for said plate and also serving as a rack when the plate is removed, substantially as described.

2. A combination rack and support attachment for stoves, consisting of a suitable frame, a clamp connected thereto and adapted to bind the same fixedly upon the stove, a bail-shaped frame having a loose connection with the aforesaid frame so as to swing relatively thereto and adapted to serve as a rack, and one or more stops or shoulders for limiting the downward movement of the bail-shaped frame and regulating the position thereof, substantially as described.

3. A combination rack and support attachment for stoves, comprising a frame carrying a clamp whereby it is adapted to be fixedly secured to the edge of a stove and also provided with upwardly-extending arms having keyhole-slots formed therein, in combination with a swinging bail-shaped frame having flattened studs working in said slots, said studs while in the enlarged ends of the slots permitting the bail-shaped frame to swing, but holding the same stationary when engaged in the narrow portions of the slots, said bail-shaped frame serving as a rack or a support for a plate or tray, substantially as described.

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

HULDA L. KRESS.

Witnesses:

HORATIO A. PORTER,  
CHARLES AURNHAMNER.