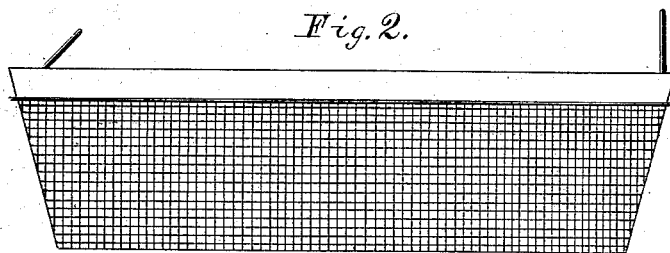
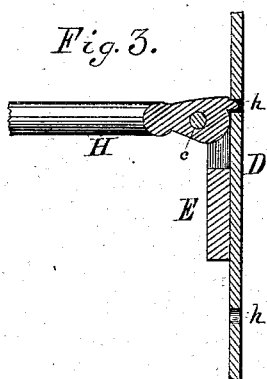
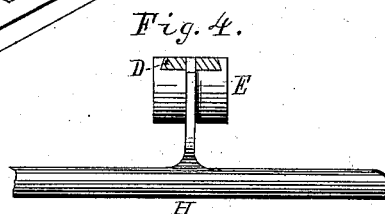
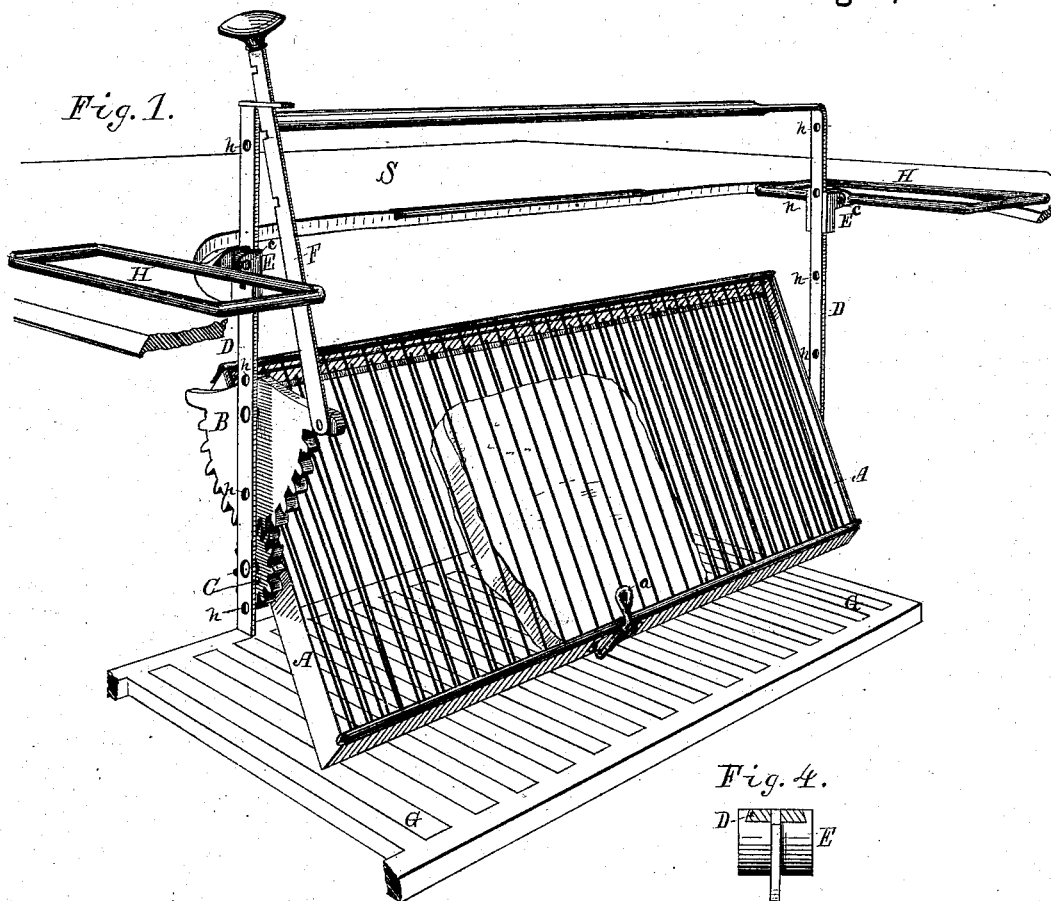


(No Model.)

F. S. PERKINS.
GRIDIRON AND TOASTER.

No. 261,870.

Patented Aug. 1, 1882.



Witnesses:
Chas. L. Goss,
Charles A. Hunter.

Inventor:
Frederick S. Perkins.
per C. H. Borthum.

Attorney.

UNITED STATES PATENT OFFICE.

FREDERICK S. PERKINS, OF BURLINGTON, WISCONSIN.

GRIDIRON AND TOASTER.

SPECIFICATION forming part of Letters Patent No. 261,870, dated August 1, 1882.

Application filed June 8, 1882. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK S. PERKINS, of Burlington, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Grid-irons and Toasters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to that class of stove-furniture employed for toasting and broiling; and it consists of a frame supporting a revolving broiler and means for turning the same.

In the accompanying drawings like letters are used to designate the same parts in the several figures.

Figure 1 shows my improved device, in perspective, applied to the stove. Fig. 2 shows a corn-popper or coffee-roaster attachment. Fig. 3 is a view in detail, showing the construction of the handle and the way in which it is attached to the frame from the side, the frame and end of the handle in section. Fig. 4 is a transverse horizontal section of the end piece of the broiler-frame and the sliding block to which the handle is attached.

D D is the frame, shaped as shown in Fig. 1, with its upright end pieces dovetailed and fitted to slide in dovetailed grooves in handle-blocks E E, as shown in Fig. 4. A vertical slot is cut in the upper edge of the blocks E E, and in them the flattened ends of the handles H H, which are shaped as shown in Fig. 3, are pivoted. At various points in the upright portions of the frame are holes *h h h*, for the reception of a small projecting lug on the inner end of the handle H. The end of this lug is rounded off, so that when the handle H is bent downwardly upon the pivot *e* the lug is withdrawn from the hole *h* and the handle allowed to slide upon the frame. By inserting it in a different hole the handles H may be adjusted higher upon the frame.

It is obvious that different methods of attaching the handles may be employed without departing from the principle of my invention.

The frame A is formed of a piece of iron, cast or bent into the rectangular shape shown or other desirable form, and provided at its lower edge with an inwardly-projecting flange. The frame A is pivoted at the center of its opposite ends to the lower ends of frame D D, so as to oscillate and revolve freely therein. At one end a small pinion, C, is placed, which meshes with a segmental gear, B, journaled on frame D above it. A rod, F, extends upward from the periphery of the gear B, to which it is pivoted through a slot in a projecting arm attached to the frame D, and terminates in a suitable handle at its upper extremity. It is provided with notches on its edge, which, by engaging with the edge of the slot, serve to lock the frame A in any desired position.

A light wire gridiron is fitted for insertion into the frame A, and rests, when in use, upon the flange at the lower edge of the frame A. A similarly-constructed cover is hinged to the upper edge of frame A, and a clasp, *a*, may be employed to fasten it down. The bottom of the gridiron may be removed and a wire basket substituted therefor (shown in Fig. 2) whenever desired. The basket is used in popping corn, roasting coffee, and for analogous uses.

My improved device is used as follows: The covers being removed from the top of the stove or range, the handles H H are caused to rest upon the edge of the stove-top S, as shown in Fig. 1, and the ends of frame D, entering the stove, bring the gridiron near the coals upon the stove-grate. By adjusting the handles H properly, just the proper distance from the fire can be obtained. The meat to be broiled or bread to be toasted is inserted in the gridiron, the cover clasped down, and the broiler is then fastened in the proper position for broiling one side of the meat by means of the notches in rod F. By drawing up or pushing down upon the rod F the broiler can be revolved and the reverse side presented to the fire, and the broiler similarly locked in that position. When coffee is roasted or corn popped in the basket shown, the popper can be continuously oscillated and the material stirred by means of the handle on rod F.

It is obvious that there are many different ways of constructing the details of my inven-

tion, and I by no means desire to confine myself to the construction precisely delineated; but—

I claim—

5 1. The combination of the frame A and the frame D, to which it is pivoted, and which is provided with handles or supports for sustaining it upon the edge of the stove-aperture, and which is so placed as to permit the frame
10 A to be introduced into the fire-box and below the top of the stove, near the fire, substantially as and for the purposes set forth.

2. The frames D and A in combination, the former being provided with a cover and a re-
15 movable bottom, permitting the substitution of one differently shaped, substantially as set forth.

3. The combination of frame A, frame D, gears B and C, and rod F, substantially as and
20 for the purposes set forth.

4. The combination of frame D and the handles H H for supporting it, made adjustable vertically thereon, substantially as and for the purposes set forth.

5. The combination of frame A, frame D, 25 handles H H, gears B and C, and rod F, substantially as and for the purposes set forth.

6. The combination of frame A and the frame D, to which it is pivoted, frame D being provided with handles H H, removable and ver- 30 tically adjustable thereon, substantially as and for the purposes set forth.

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

FREDERICK S. PERKINS.

Witnesses:

E. H. BOTTUM,
CHAS. L. GOSS.