B. McCAUGHEY.

BROILER.

APPLICATION FILED NOV. 25, 1908.

915,105. Patented Mar. 16, 1909.

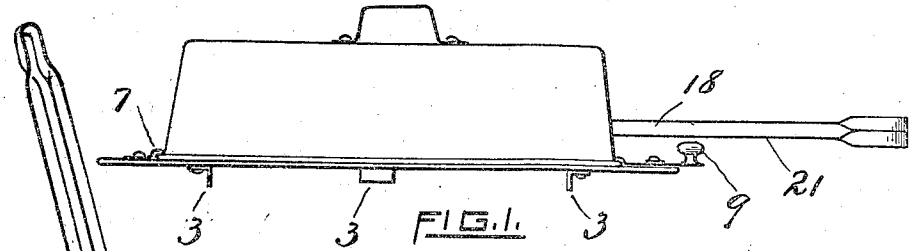


FIG. 1.

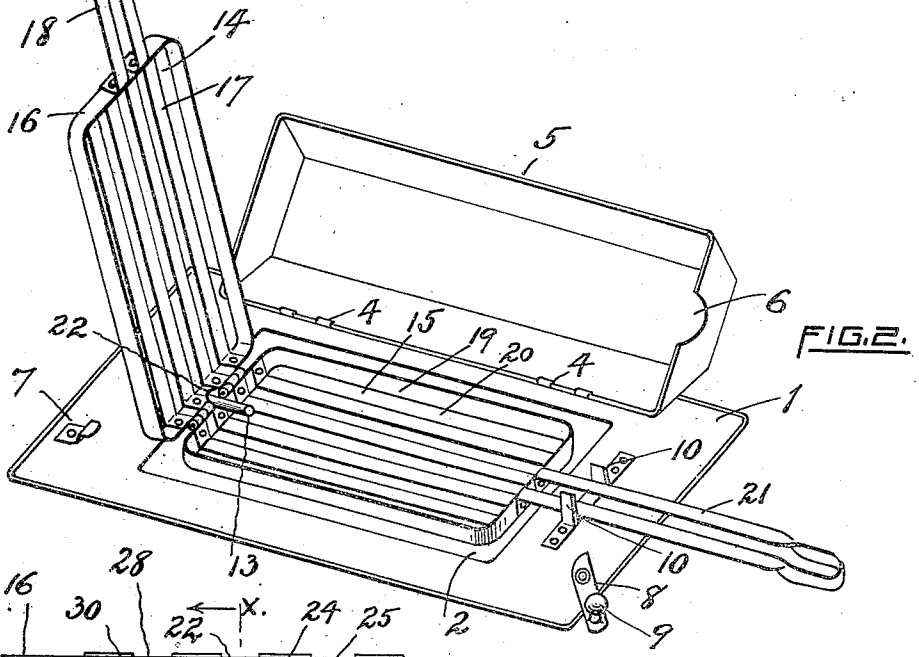


FIG. 2.

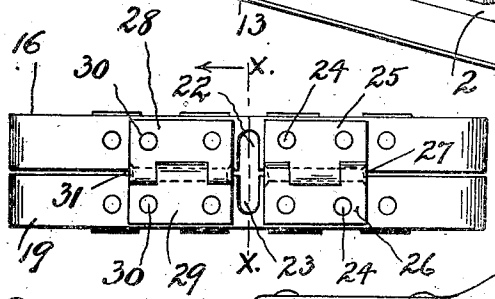


FIG. 3.

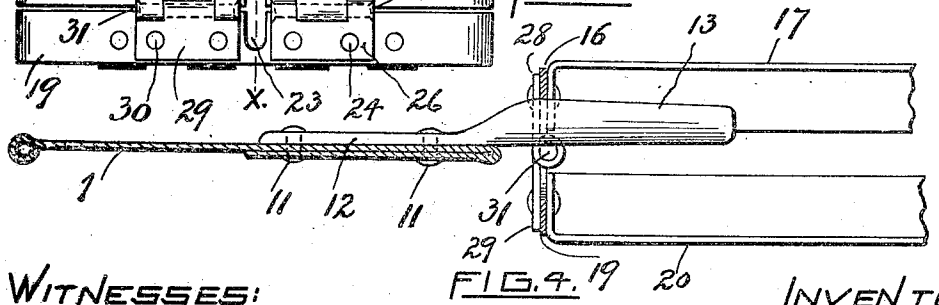


FIG. 4.

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UNITED STATES PATENT OFFICE.

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BROILER.

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Application filed November 25, 1908. Serial No. 464,491.

To all whom it may concern:

Be it known that I, BERNARD McCAUGHEY, a citizen of the United States, residing at Pawtucket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Broilers, of which the following is a specification.

My invention relates to broilers and has for its objects not only the ends commonly sought in this class of structures, but also means for affording a thorough cooking and exposure of an article to be cooked upon both its sides; an improved means of pivotally connecting the leaves; and means for pivotally connecting the leaves with the frame or base in such a manner as to leave the hands of the operator free to insert the article to be broiled; and to attain the desired objects in a simple, durable, and convenient structure.

To the above ends essentially my invention consists in novel construction and combination of parts hereinafter described, and illustrated in the accompanying drawings, wherein,

Figure 1 is a side elevation of my novel structure with the housing closed, Fig. 2, a perspective view of the same showing the housing cover elevated and the top leaf of the frame in opened position, Fig. 3, an end elevation of the frame, and Fig. 4, a partial section on line *x x* of Fig. 3.

Like reference characters indicate like parts throughout the views.

My broiler comprises a flat metal base or frame, 1, provided with a central aperture, 2, and having adjacent thereto upon the bottom face of the base pivoted fingers or clips, 3. Mounted by hinges, 4, to the upper face of the base is a housing cover, 5, having an end aperture, 6, for the handles. A catch, 7, is located upon the top of the base to engage one end of the housing, and a pivoted catch, 8, at the opposite end of the base provided with a handle, 9, upon its free end. Near one end of the opening, 2, of the base are two interspaced posts, 10. Fixed to the base, 1, by rivets, 11, or otherwise is the flattened end portion, 12, of a pivot pin or projection, 13.

For use in the described or other convenient housing device is a broiling frame comprising upper and lower leaves, 14 and 15. The former comprises a broad marginal band or frame, 16, longitudinal cross bars, 17, and a handle, 18. The lower leaf, 15, has corresponding parts, 19, 20, and 21 respectively. The rims of the frames or leaves 14 and 15 are made of flat stock set upon edge and serve to prevent the escape of the steak or other article being broiled. At a point midway its length the forward portion of the frame, 16, is provided with an oblong marginal cavity, 22; and at a corresponding point in the frame, 19, is a similar oblong cavity, 23. Upon one side of the cavities are fixed by rivets, 24, or otherwise to the frames, 16 and 19, respectively, butts or hinge plates, 25 and 26, connected by a pintle, 27. Upon the other side of the cavities are similar plates, 28 and 29, fixed respectively to the frames, 16 and 19, by rivets, 30, and connected by a pintle, 31. The two hinge members described in detail above permit unlimited distention of the leaves, 14 and 15. The leaves are mounted upon the base introducing them into the opened housing so that the pin or projection, 13, passes through the cavities, 22, 23. The combined length of the latter is ample to allow the projection, 13, to have free vertical play therein. This slot and hinge arrangement also makes it possible for the leaf, 14, to take and retain the position shown in Fig. 2, with the broad surface of its frame, 16, resting upon and supported in distended position by the projection, 13, while the frame, 15, is substantially horizontal with its handle, 21, resting upon the base, 1, intermediate the posts, 10. The particular arrangement of slots permits whatever frame happens to be lowermost to lie in a position closer to the bed of the coals, thus securing a maximum of heat.

With leaves in the position just described, one or both of the operator's hands is free to insert into leaf, 15, the article to be broiled; after which the frame, 16, is brought down over the article and upon the lower frame with the handle, 18, extending between the posts, 10.

While broiling the leaves are manually rotated upon the projection, 13, through the medium of the handles.

What I claim is:—

1. In a broiler, the combination of two frames, each provided with a marginal cavity opening into the other and vertically elongated, bars upon the frames, hinge members connecting the frames adjacent the cavities, a base receiving said frames, a pivot projecting longitudinally from said base for coöperation with said openings and handles upon

the opposite ends of the frames, the rims of said frames being formed of flat stock vertically elongated and serving to prevent displacement of the material being broiled.

2. In a broiler, the combination of a base having an opening, a fixed pivot pin on the base extending into said opening, and two frames, each provided with a vertically elongated marginal cavity, said cavities opening into each other and receiving said pivot pin, hinge members connecting the frames adjacent said cavities, and handles projecting from the opposite ends of the frames and resting upon said base.

3. In a broiler, the combination of a base having an opening, a fixed pivot pin on the base extending into said opening, and two frames, each provided with a vertically elongated marginal cavity, said cavities opening into each other and receiving said pivot pin, hinge members connecting the frames adjacent said cavities, handles projecting from the opposite ends of the frames and resting upon said base, and interspaced posts secured to the base adjacent one end of said opening and between which said handles are received.

4. In a broiler, the combination of a base having an opening, a fixed pivot pin on the base extending into said opening, and two frames, each provided with a vertically elongated marginal cavity, said cavities opening into each other and receiving said pivot pin, hinge members connecting the frames adjacent said cavities, handles projecting from the opposite ends of the frames and resting upon said base, interspaced posts secured to the base adjacent one end of said opening and between which said handles are received, and a cover hinged to said base upon one side of said opening to close over the frames.

5. In a broiler, the combination of a base having an opening, a fixed pivot pin on the base extending into said opening, and two frames, each provided with a vertically elongated marginal cavity, said cavities opening into each other and receiving said pivot pin, hinge members connecting the frames adjacent said cavities, handles projecting from the opposite ends of the frames and resting upon said base, interspaced posts secured to the base adjacent one end of said opening and between which said handles are received, a cover hinged to said base upon one side of said opening to close over the frames, a fixed catch upon one end of the base to engage one end of said cover, and a pivoted catch upon the opposite end of said base to engage the opposite end of said cover.

In testimony whereof I have affixed my signature in presence of two witnesses.

BERNARD McCAUGHEY.

Witnesses:
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WALTER LOUIS FROST.