

No. 780,621.

PATENTED JAN. 24, 1905.

E. W. RIPLEY.
CORN POPPING ATTACHMENT.
APPLICATION FILED MAY 7, 1904.

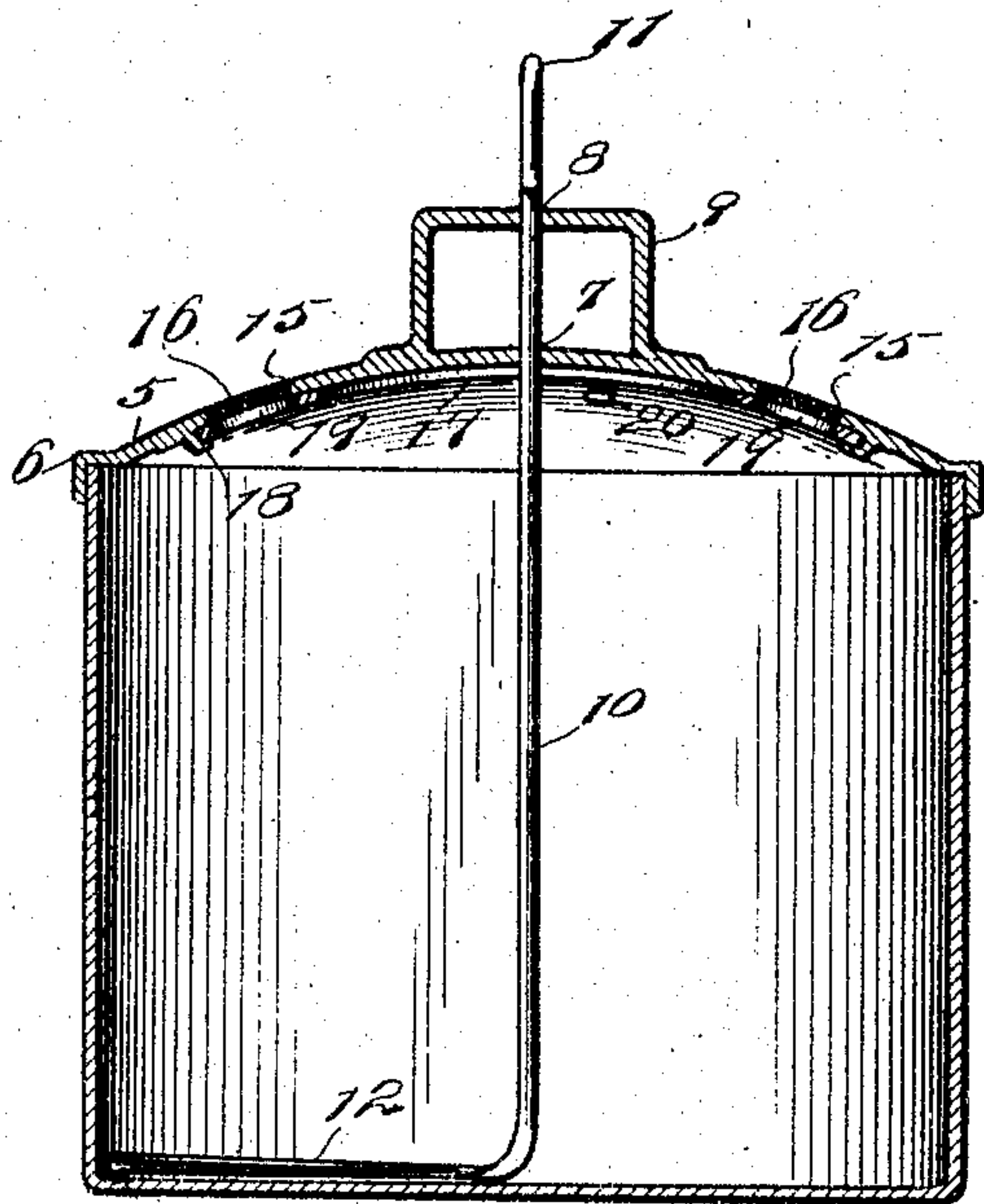


Fig. 1.

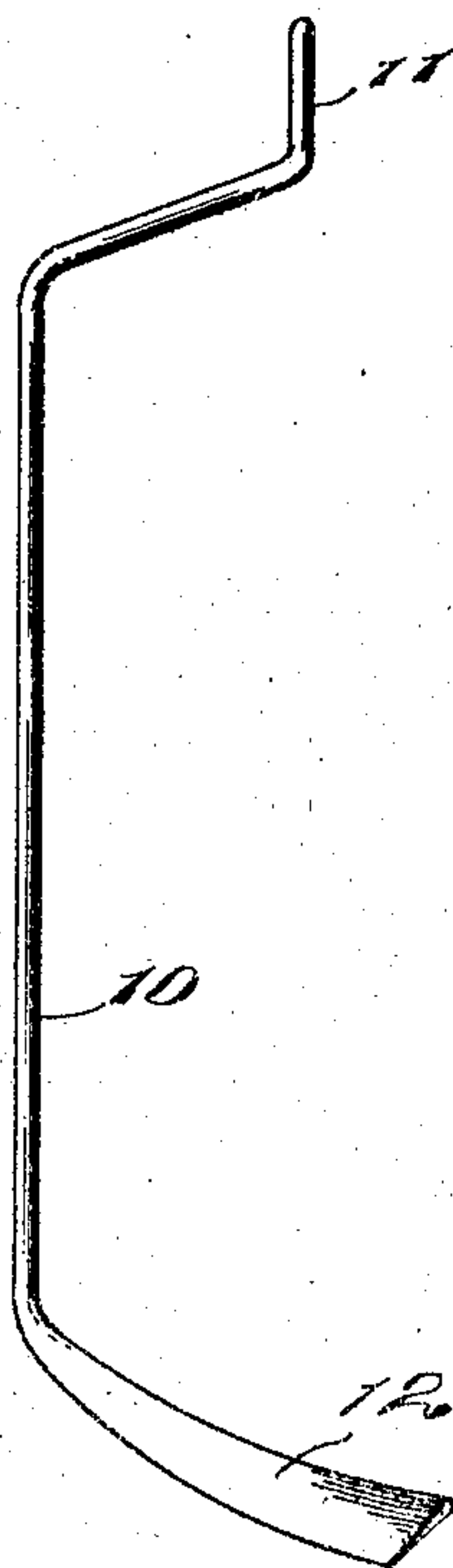


Fig. 3.

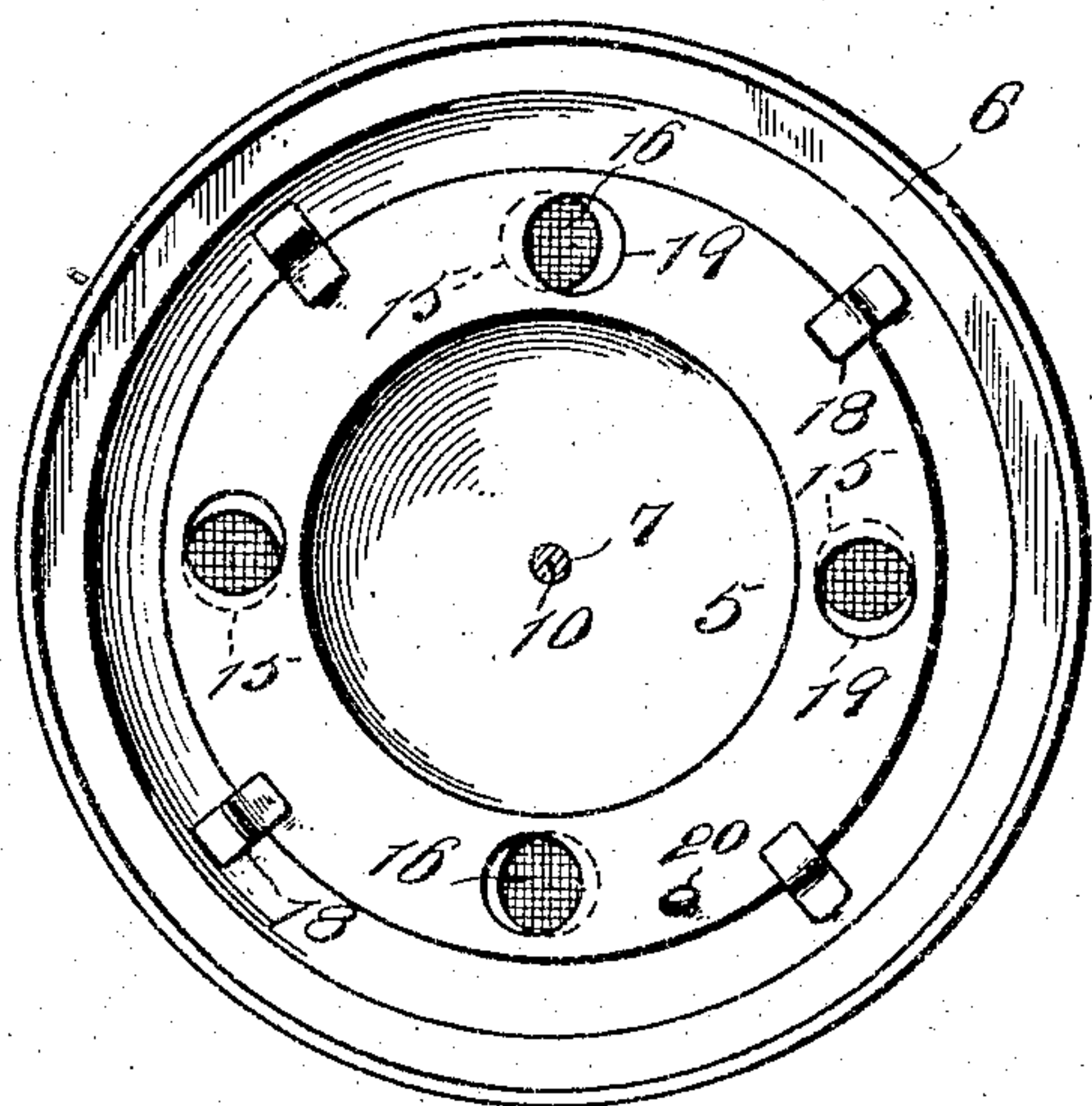


Fig. 2.



Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

EVERETT W. RIPLEY, OF SALEM, WISCONSIN.

CORN-POPPING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 780,621, dated January 24, 1905.

Application filed May 7, 1904. Serial No. 206,897.

To all whom it may concern:

Be it known that I, EVERETT W. RIPLEY, a citizen of the United States, residing at Salem, in the county of Kenosha and State of Wisconsin, have invented a new and useful Corn-Popping Attachment, of which the following is a specification.

This invention relates to corn-popping devices; and it has for its object to provide an attachment that may be applied to an ordinary kettle and with which the corn within the kettle may be kept moving in such manner as to prevent scorching and to secure a clean and white product.

Further objects and advantages of the invention will be evident from the following description.

Referring to the drawings forming a portion of this specification, in which like numerals of reference indicate similar parts in the several views, Figure 1 is a vertical section showing the attachment applied to a kettle. Fig. 2 is a bottom plan view of the covered portion of the attachment, the shaft being shown in section. Fig. 3 is a detailed perspective view of the stirrer. Fig. 4 is a plan view of the blade of the stirrer, the shaft thereof being shown in section.

Referring now to the drawings, the present popping attachment comprises a cover 5, preferably of dome shape, with means, such as a flange 6, for holding the cover in position on the kettle. Centrally of the cover 5 is formed a bearing 7, and aligned vertically with this bearing there is a second bearing, 8, in a bail or bracket 9, the ends of said bracket being soldered or otherwise attached to the upper face of the cover and at opposite sides of the bearing opening therein. In the two bearings 7 and 8 is rotatively disposed a shaft 10, the upper portion of which is provided with a crank, preferably formed by bending the upper end thereof laterally and then upwardly to form a crank 11. The shaft is formed, preferably, of a wire of malleable material, and the lower end thereof may be bent also laterally to form a blade 12, which latter is tapered from one side edge to the other and is

increased in width gradually from the inner end toward the outer end. The blade is bent in a plane at right angles to the shaft into arcuate shape, the knife-edge of the blade being at the convex side of the blade. The shaft is of such length that the blade will lie close against the bottom of the kettle, so that by rotating the shaft the blade will be moved forwardly and will engage in the kernels of corn in the kettle and will roll them in such manner as to prevent scorching, the outer end of the blade moving in close proximity to the wall of the kettle, as illustrated in Fig. 1.

Ventilating-openings 15 are formed in the cover of the kettle at points between the periphery and center thereof and are protected by foraminous coverings 16. These ventilating-openings may be partly or entirely closed by means of an annular valve 17, mounted rotatably upon guide-lugs 18 upon the under side of the cover. This ring or annular valve is provided with a plurality of openings 19, adapted to register with the ventilating-openings 15, so as to enable the latter to be entirely uncovered. By partly rotating the ring or valve the ventilating-openings may be entirely closed, as will be readily understood. The ring 17 is provided with a knob or handle 20, whereby it may be conveniently manipulated. By this device it will be seen that the necessary ventilation may be had without danger of the corn popping out through the ventilating-openings; also, that the ventilation may be readily regulated.

In the operation of this attachment the kettle is put upon the fire and when thoroughly heated a quantity of corn is placed therein and the attachment is put in place. The crank is operated and the knife rotated to roll the corn upon the bottom of the kettle and to stir it until the entire quantity is popped.

What is claimed is—

A corn-popping attachment comprising a flanged cover provided with ventilating-openings covered with foraminous material, an annular valve supported for rotation upon the

under side of the cover and having openings adapted to register with the ventilating-openings, a bail upon the upper side of the cover, said cover and bail being provided with alin-
5 ing perforations, and a shaft journaled in said perforations and having at its upper end a crank and at its lower end a blade extending laterally therefrom to form a stirrer.

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

EVERETT W. RIPLEY.

Witnesses:

ROBERT VERNE BAKER,
E. POSTLETHWAITE.