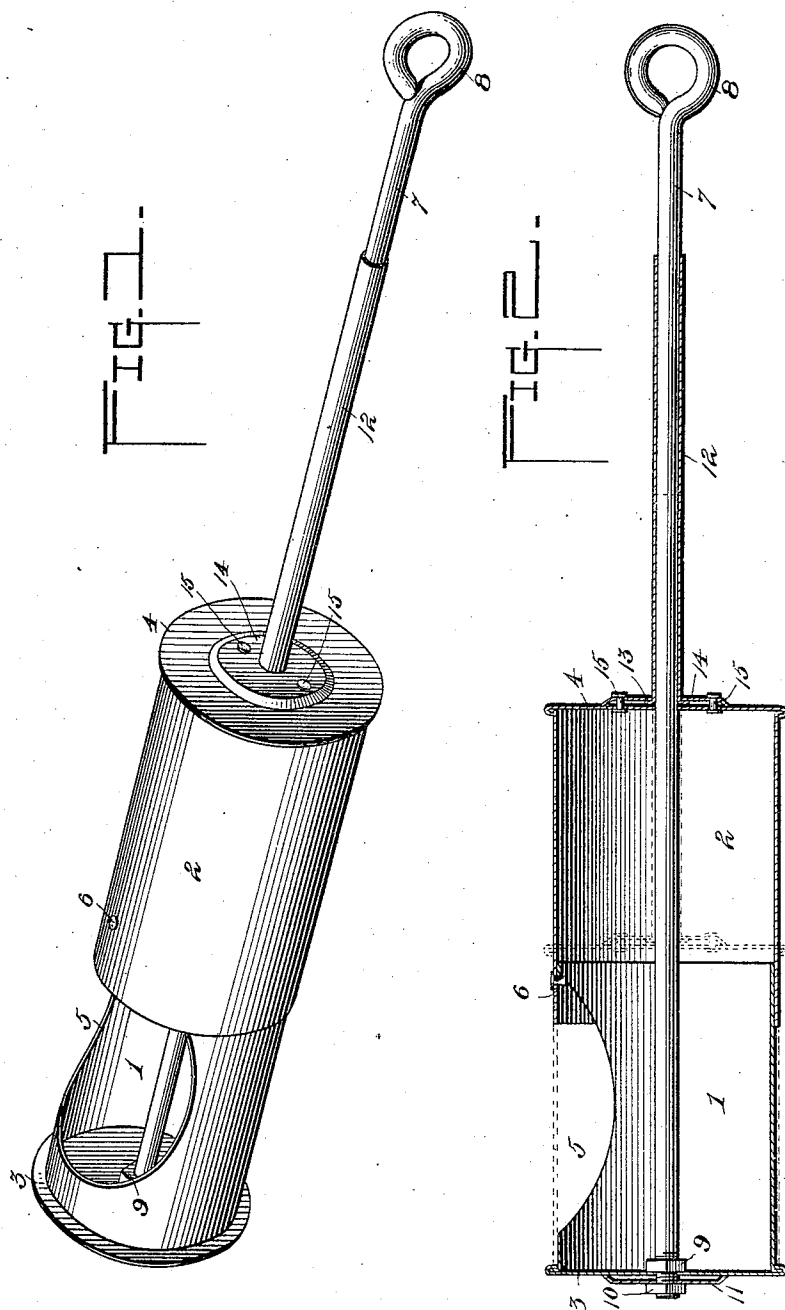


(No Model.)

S. H. & A. S. SMITH.
CORN POPPER.

No. 575,621.

Patented Jan. 19, 1897.



Witnesses

W. J. LaVarre.
[Signature]

Seth H. Smith.
By their Attorneys, *Abel S. Smith.*

Chas. H. Snow & Co.

UNITED STATES PATENT OFFICE.

SETH H. SMITH AND ABEL S. SMITH, OF HILLSDALE, MICHIGAN, ASSIGNORS
TO THE HILLSDALE MANUFACTURING COMPANY, OF SAME PLACE.

CORN-POPPER.

SPECIFICATION forming part of Letters Patent No. 575,621, dated January 19, 1897.

Application filed October 31, 1896. Serial No. 610,746. (No model.)

To all whom it may concern:

Be it known that we, SETH H. SMITH and ABEL S. SMITH, citizens of the United States, residing at Hillsdale, in the county of Hillsdale and State of Michigan, have invented a new and useful Corn-Popper, of which the following is a specification.

Our invention relates to a corn-popper, and has for its object to provide a simple device constructed for rotation and adapted to be used in the fire-box of a heating device of any kind into which the body of the popper may be inserted, no more space than that which is taken up by the body of the popper being necessary for the reason that reciprocation or lateral vibration thereof is unnecessary.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of a corn-popping device constructed in accordance with our invention. Fig. 2 is a longitudinal central section of the same, showing the body or receptacle in its extended or open position in full lines and in its folded position in dotted lines.

Similar numerals of reference indicate corresponding parts in both figures of the drawings.

The receptacle of the apparatus embodying our invention is of cylindrical construction and comprises telescoping inner and outer sections 1 and 2, having closed outer or remote ends fitted with caps 3 and 4 and open inner ends by which communication is established between the interiors of the sections. The inner section is provided in one side with an opening 5, through which corn or other material to be heated is introduced, while the exterior inclosing section is provided with imperforate sides, whereby when the sections are collapsed or folded, as indicated in dotted lines in Fig. 2, the opening 5 is closed by the wall of the exterior section. The exterior section also carries a stop pin or stud 6, which projects inwardly and operates in the opening 5, thereby serving to limit the extension of the sections by contact with one end of said opening.

Extending axially through the receptacle

is a rod 7, forming a handle and terminating at one end in a ring or handhold 8, the opposite extremity of said rod being attached, as by means of inner and outer nuts 9 and 10, with the outer or remote end of the interior section 1, said rod extending through a central opening in the cap 3 and also through a registering opening in a centrally-bulged or spring disk 11, which is arranged exteriorly upon the cap 3.

It will be understood that by tightening the nuts 9 and 10 the disk 11 is strained and by its resilience causes a spreading pressure against the nuts 9 and 10, locking the nuts against displacement.

Fitted upon the rod 7 and revolubly connected with the receptacle is a sleeve or slide 12 of tubular construction, provided with a flared extremity 13, which operates in a socket-plate 14, secured to the cap 4 of the exterior section 2, said cap being secured by rivets or equivalent fastening devices 15 to said cap, with its intermediate portion spaced from the plane of the cap to receive the flanged or flared portion 13 of the sleeve. This sleeve forms a handhold by which the receptacle may be steadied during the rotation thereof by means of the rod 7, inasmuch as the connection of the sleeve with the receptacle is revoluble, and hence after the receptacle has been charged and inserted into the fire-box of a suitable heating device, which, as above indicated, may be of any desired construction and forms no part of our invention, the sleeve may be held stationary, while the rod 7 is rotated therein, thus imparting rotary motion to the receptacle to bring all parts of its surface into proximity to the incandescent coals. Furthermore, this sleeve or slide forms a suitable means for spreading or separating the sections of the receptacle when it is desired to remove the contents thereof, said sleeve not becoming heated to the same extent as the receptacle.

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

Having described our invention, what we claim is—

1. A corn-popper having a receptacle pro-

vided with means for giving access to its interior, an operating-rod attached to and adapted to be turned to impart rotary movement to the receptacle, and a sleeve mounted
 5 upon the operating-rod and revolubly connected to the receptacle to form a handhold during the rotation of the receptacle, substantially as specified.

2. A corn-popper having a receptacle comprising telescoping sections of which the interior section is provided with an opening adapted to be exposed when the sections are extended, and an operating-rod extending axially through the receptacle and fixed to one
 10 of the sections, whereby the other is adapted to be moved independently of the rod to expose said opening, substantially as specified.

3. A corn-popper having a receptacle comprising telescoping interior and exterior sections, the former being provided with an opening adapted to be closed by the latter, an operating-rod extending axially through the receptacle and terminally attached to the outer end of one of the sections, and a sleeve mounted to slide upon the rod and revolubly connected with the other section, whereby the sections may be extended and closed by simultaneous opposite movement of the operating-rod and sleeve, substantially as specified.
 15 20 25 30

4. A corn-popper having a receptacle com-

prising interior and exterior telescoping sections, of which the former is provided with an opening and the latter with a stop pin or stud arranged to engage one side of said opening to limit the extension of the sections, an operating-rod extending axially through the receptacle and secured terminally to the closed outer end of the interior section, a socket-plate secured to the inner end of the exterior section concentric with the operating-rod, and a tubular sleeve fitted upon the operating-rod and having a flared or flanged extremity engaging said socket-plate and thereby revolubly connected with the receptacle, substantially as specified. 35 40 45

5. A corn-popper having a receptacle comprising telescoping exterior and interior sections, an operating-rod terminally attached to the remote end of one of the sections, and a sleeve fitted to slide upon said operating-rod and attached to the contiguous end of the other section, substantially as specified. 50

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses. 55

SETH H. SMITH.
 ABEL S. SMITH.

Witnesses:
 ROY R. BAILEY,
 WM. PRIDEAUX.