G. B. HALL.
Peanut-Roaster.

No. 207,414. Patented Aug. 27, 1878.

Fig. 1.

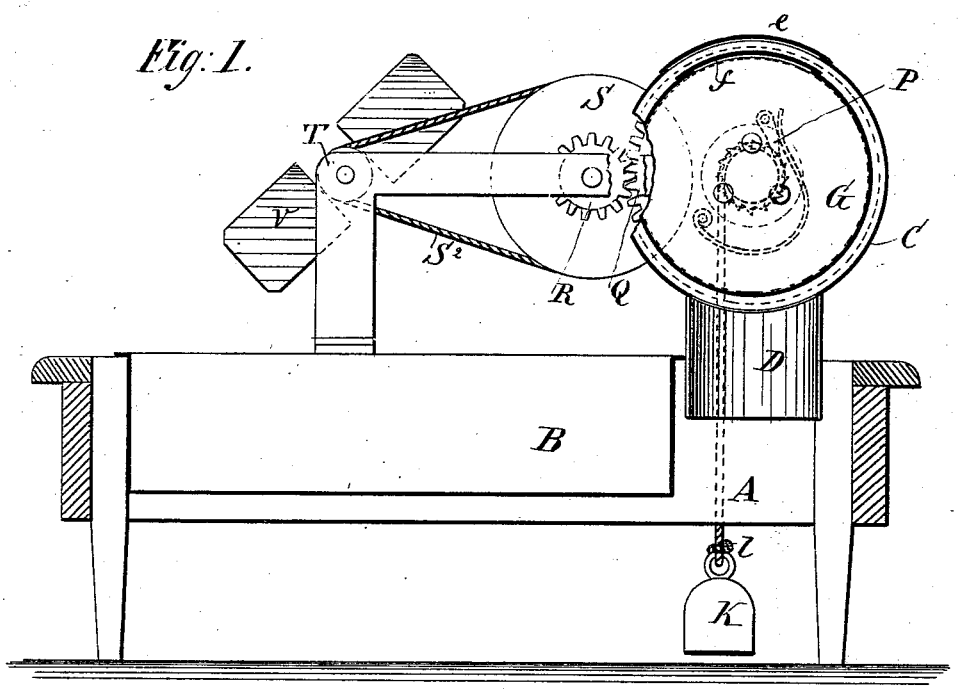
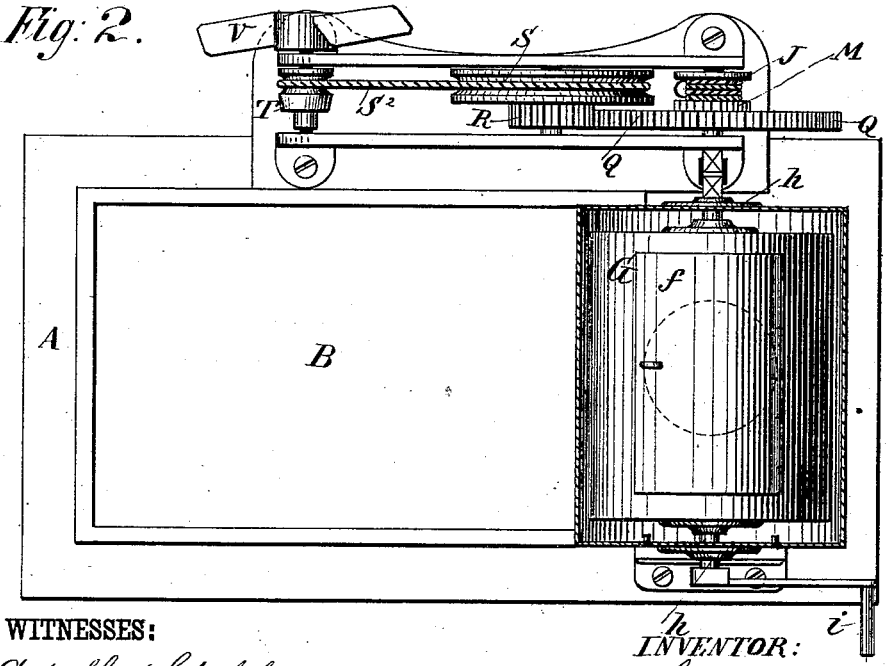


Fig. 2.



WITNESSES:
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UNITED STATES PATENT OFFICE.

GEORGE B. HALL, OF FORT PLAIN, ASSIGNOR TO CHARLES WHYLAND, OF ST. JOHNSVILLE, NEW YORK.

IMPROVEMENT IN PEA-NUT ROASTERS.

Specification forming part of Letters Patent No. **207,414**, dated August 27, 1878; application filed July 17, 1878.

To all whom it may concern:

Be it known that I, GEORGE B. HALL, of Fort Plain, in the county of Montgomery and State of New York, have invented a new and Improved Pea-Nut Roaster, of which the following is a specification:

My invention consists in a novel construction, combination, and arrangement, with relation to each other, of a stationary outer cylinder, a revolving inner cylinder, and a set of driving mechanism, whereby provision is made for rotating the inner cylinder above a kerosene-stove or other heater, and for thoroughly roasting the contents of said inner cylinder.

The accompanying drawing represents a pea-nut roaster embodying my improvements, Figure 1 being a longitudinal vertical section, and Fig. 2 a top view, partly in section.

Similar letters of reference indicate corresponding parts.

A represents a frame or stand, which supports the working parts of the apparatus, and also carries a pan, B, for holding the pea-nuts either before or after being roasted.

C represents a stationary hollow cylinder, supported in a horizontal position on the frame or stand A. This cylinder is preferably of sheet metal. It is provided on its under side with a flue, D, for the passage of heat from a kerosene-stove or other heater, and on its upper side with a door, *e*, to allow access to its interior.

G represents a revolving hollow cylinder, also preferably of sheet metal, provided with a door, *f*, to allow access to its interior. It is carried by a shaft, *h*, which has its bearings in the ends of the stationary cylinder C. One end of the shaft *h* is provided with a crank, *i*, for turning it. The other end of said shaft carries a drum, J, to which is attached one end of a cord, *l*, the other end of which carries a weight, K. The shaft H also carries a ratchet-wheel, M, which engages with a spring-pawl, P, carried by a gear-wheel, Q, which is loose on said shaft. The wheel Q drives a pinion, R, on the same shaft with a pulley, S, around which passes a belt, S^2, driving a pulley, T, on the same shaft with a fan-fly, V, said shafts having their bearings in a frame attached to the main frame or stand A.

The pea-nuts to be roasted are placed in the inner cylinder, G, and the door *f* is closed. Then, by turning the crank *i*, the cord *l* is wound around the drum J until the weight is raised to its highest position. As the weight descends and the cord is unwound, it turns the shaft *h* so as to rotate the cylinder G, and the speed of rotation is regulated by the fan-fly V, connected with said shaft *h*, as above described.

In some cases it may be inconvenient to use a weight for rotating the shaft and cylinder, and in such cases a spring and barrel may be substituted for the drum J.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with stand A and pan B, of the horizontal outer cylinder C *e*, having subjacent vertical flue D, and the revolving inner cylinder G *f*, arranged as shown and described.

2. The combination, in a roaster with crank-shaft *h i*, of the drum J, having weighted cord *l* K, the ratchet-wheel M, the loose gear-wheel Q, having spring-pawl P, pinion R, pulleys S T, belt S^2, and fan-fly V, all arranged as and for the purpose specified.

GEORGE B. HALL.

Witnesses:

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