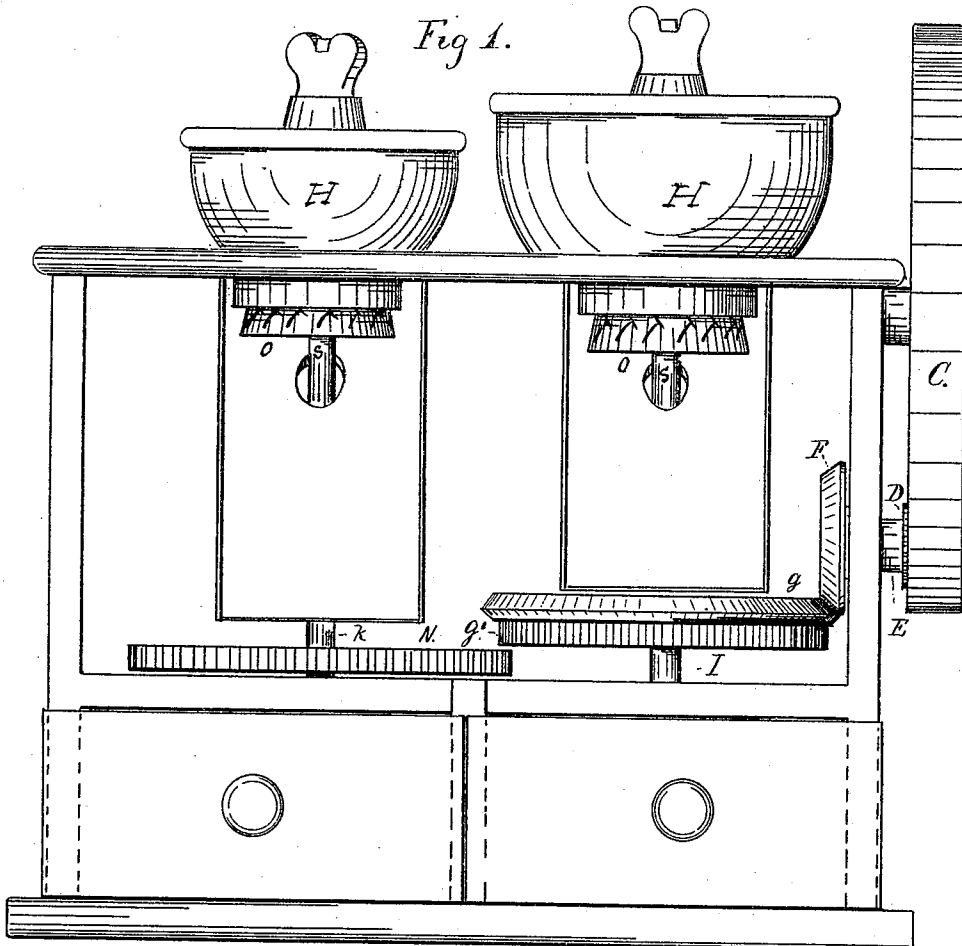


T. D. GADDIE.
COFFEE-MILL.

No. 178,427.

Patented June 6, 1876.



Thos D. Gaddie

WITNESSES:

Beny C. Pole
H. Bostick.

INVENTOR. *h*

Charles L. Whitman

ATTORNEY.

UNITED STATES PATENT OFFICE.

THOMAS D. GADDIE, OF WINGO'S STATION, KENTUCKY, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO W. B. CHANEY AND T. L. G. CHANEY, OF SAME PLACE.

IMPROVEMENT IN COFFEE-MILLS.

Specification forming part of Letters Patent No. **178,427**, dated June 6, 1876; application filed October 14, 1875.

To all whom it may concern:

Be it known that I, THOS. D. GADDIE, of Wingo's Station, county of Graves and State of Kentucky, have invented an Improvement in Coffee-Mills.

The following description, taken in connection with the accompanying plate of drawings, hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new and are desired to be secured Letters Patent of the United States.

My invention relates to that class of mills which are made use of for grinding coffee, spices, &c.; and the nature thereof consists in certain improvements in the construction of the same, hereinafter shown and described—that is to say, in arranging the gearing below the grinding apparatus, and in such relation to the chutes as to avoid any injury to the contents of the hoppers, which might otherwise ensue from the lubrication or wear and tear of overhanging mechanism.

In the accompanying drawings, H H designate the hoppers, and o o the grinding appa-

ratus, of ordinary construction, beneath which the gearing which rotates the shafts s s is arranged. C represents the driving-wheel, having cogs which engage with cogs upon the pinion D. The said pinion is connected by means of the shaft E with a pinion, F, which engages with the wheel g upon the shaft I of the coffee-mill. N designates a spur-gear on spindle k of the spice-mill, which may be made to engage with the gear g'.

By this construction, the shaft K which operates the spice-mill may be rotated by the same gearing which rotates the shaft I of the coffee-mill.

I claim—

The vertically-adjustable spur-gear N, gears g' and g upon the shaft I of the coffee-mill, pinion F, and shaft E, when combined together as described, and arranged beneath the grinding apparatus and chutes.

In testimony that I claim the foregoing, I have hereunto set my hand this 28th day of September, 1875.

THOS. D. GADDIE.

Witnesses:

I. C. OWEN,
J. L. MOSES.