R. L. WEBB.

Coffee-Mills.

No. 204,865. Patented June 11, 1878.

fig. 1

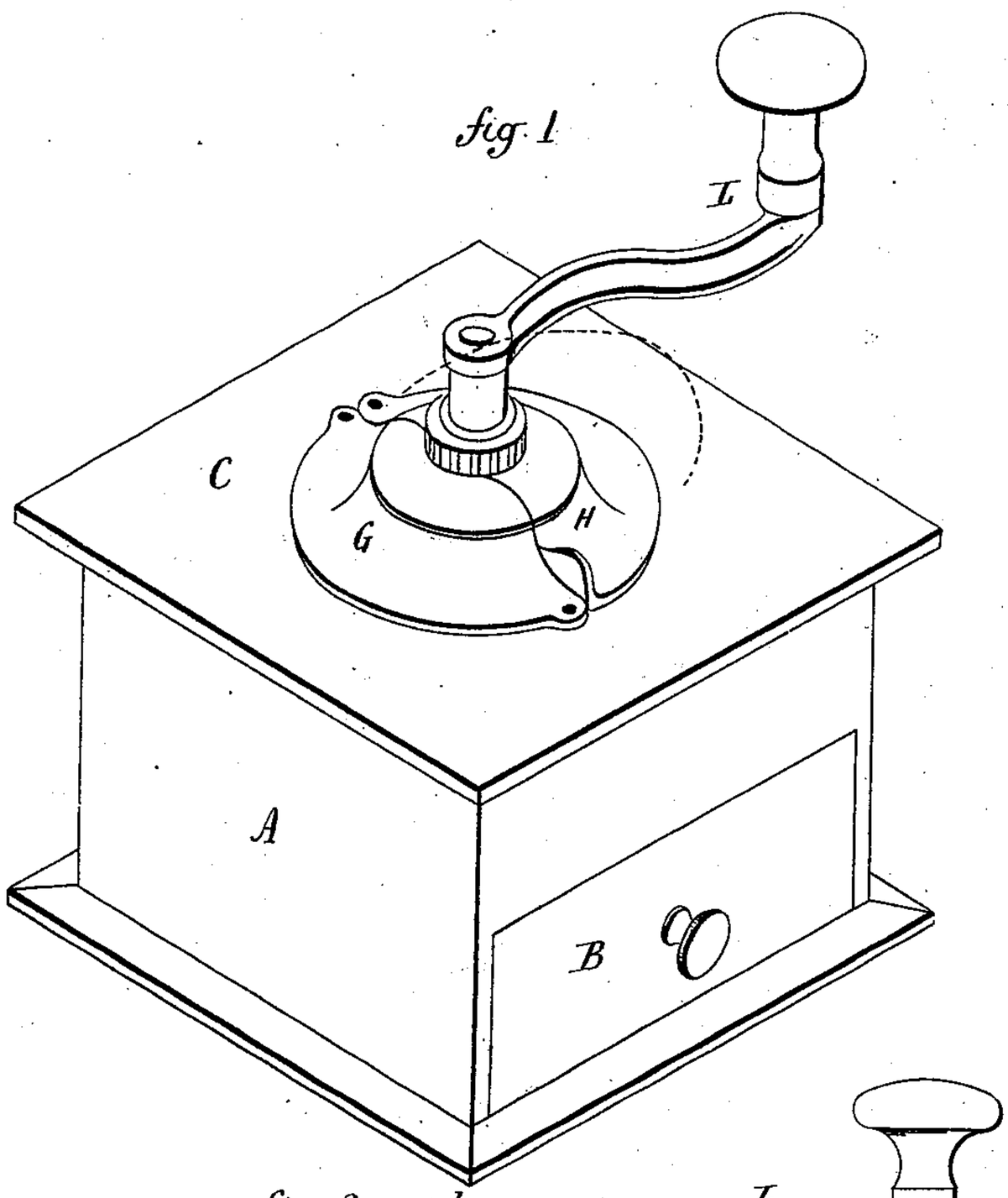
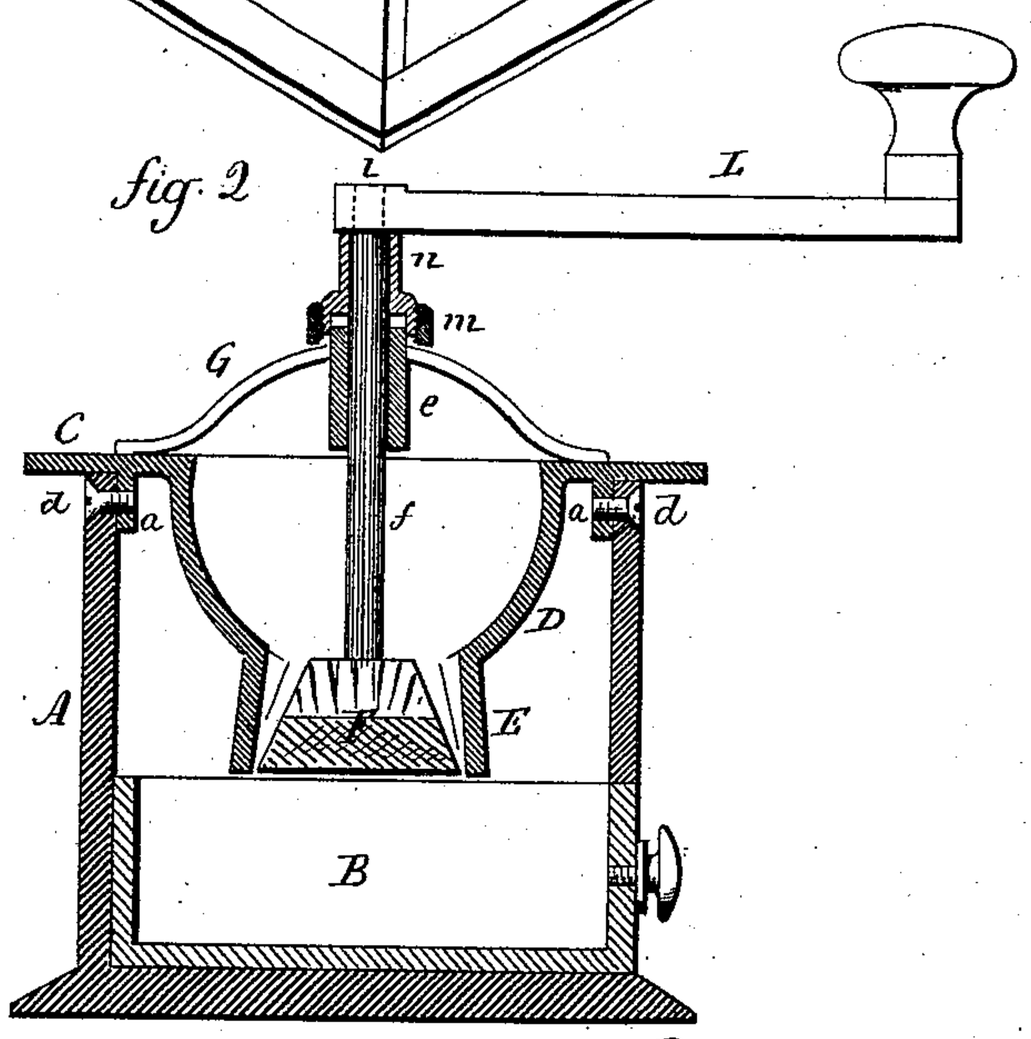


fig. 2



Witnesses.

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UNITED STATES PATENT OFFICE.

RODOLPHUS L. WEBB, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO LANDERS, FRARY & CLARK, OF SAME PLACE.

IMPROVEMENT IN COFFEE-MILLS.

Specification forming part of Letters Patent No. **204,865,** dated June 11, 1878; application filed November 30, 1877.

To all whom it may concern:

Be it known that I, RODOLPHUS L. WEBB, of New Britain, in the county of Hartford and State of Connecticut, have invented a new Improvement in Coffee-Mills; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in—

Figure 1, a perspective view; Fig. 2, a vertical central section.

This invention relates to an improvement in that class of mills called "box-mills," and designed for grinding coffee or small quantities of grain by hand, and in which the mill-spindle is vertical.

The invention consists in a peculiar adjustment of runner, as more fully hereinafter described.

The box A of the mill is made of wood, in the usual manner, and with the usual drawer, B, to receive the grist. The top C is constructed of cast metal, as a lateral flange projecting from the depressed or flush hopper D, and as a part thereof. The top is best secured by lugs *a*, extending down upon the sides, and with a screw or rivet, *d*, through both the lugs and sides. The grinding-shell E may be cast as a part of the hopper D, or may be attached thereto.

The runner F is of the usual construction, attached to or made a part of the spindle, which extends up through a support, *e*, formed on a part, G, of the cover over the hopper. The other half, H, of the cover is constructed so as to be turned away, as indicated in broken lines, Fig. 1, to open the hopper. On the upper end of the spindle the usual crank L is arranged. Around the spindle, and between the boss *l* on the handle and the bearing *e* below, a sleeve, *n*, is arranged, with a screw-thread upon its outside. Upon the screw of this sleeve a collar, *m*, is placed, and so that by turning the collar *m* in one direction the spindle and runner will be raised and draw it into closer contact with the grinding-shell, and in the other direction will lower the spindle and runner, and take the runner farther from the grinding-shell, for the purpose of regulating the quality of grinding. The sleeve *n* is prevented from rotating by a dowel-spline or other suitable connection between it and the bearing or stationary portion *e* below. The edge of the collar is made of any suitable form for convenience of turning by hand. This arrangement makes the adjustment of the runner exceedingly simple and easy and cheap of construction.

I do not broadly claim a box coffee-mill having the hopper sunk below the surface of the top. Neither do I broadly claim adjusting the runner by a device between the handle and the stationary bearing which supports the spindle. Neither do I claim making the hopper and flange in one and the same piece; but

What I do claim, and desire to secure by Letters Patent, is—

In a box-mill, the combination of the grinding-shell, hopper, runner, runner-spindle, and stationary bearing above the hopper, with the adjustable sleeve and adjusting-collar above the said bearing, substantially as described.

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Witnesses:

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