



# UNITED STATES PATENT OFFICE.

CHARLES H. BEATTY, OF WHEELING, VIRGINIA.

COFFEE-MILL.

Specification of Letters Patent No. 11,152, dated June 27, 1854.

*To all whom it may concern:*

Be it known that I, CHS. H. BEATTY, of the city of Wheeling, in the county of Ohio and State of Virginia, have invented or discovered certain new and useful Improvements in the Construction of Coffee and Spice Mills; and I do hereby declare that the same are described and represented in the following specification and accompanying drawings.

The nature of my invention or discovery consists in the construction of the crank or operating lever which is made in two parts parallel with each other as seen in the drawing A and B, Figures 1 and 2.

To enable others skilled in the art to use my invention I will proceed to describe its construction and operation.

Fig. 1, the upper or main part of the crank or lever; Fig. 2, the tempering or adjusting section of the crank or lever which is loosely riveted on the pin, *a*, Fig. 1, through the hole *b* in the end of the section Fig. 2 as may be seen in the draft Fig. 7 at *a*. The square hole *d*, in the large end of the section B, Fig. 2, is made a sufficient size to allow it to pass or slip freely onto the square of E, Fig. 5, in order that the thumb or set screw can move it readily. The square hole *c*, in the upper section of the crank A, Fig. 1, is made to fit the upper part of the square E, Fig. 5, tight so as to hold the crank in its proper position. The set screw C, Fig. 3, passes through the hole *f*, in the back end of the crank A, Fig. 7, said hole *f*, having a thread cut in it so that the set screw, C, will fit it. The balance of the mill is put together and the crank is put to its place

the cap D, Fig. 4, is riveted on top of the crank A, and B, by the pin *f*, Fig. 5 as seen in the draft Fig. 7, at *a*, however leaving length sufficient of the spindle E, Fig. 5, for the nut, H, to move freely in the shell or outside grinder, G, so that the nut or inside grinder may be raised or lowered at the will of the operator to grind coarse or fine. The upper part of crank A, when the screw is turned to the right presses against the cap, D, and the lower section of the crank, B, presses on the top of the crotch, F, thereby drawing the inside grinder, H, as near the outside grinder, G, as may be required for fine grinding and turning the screw the contrary direction produces the contrary result.

The advantages arising from the improvement claimed are the cheapness and simplicity of the arrangement which a material item in the manufacture of such articles also its strength and durability and the ease with which it can be changed to grind coarse or fine requiring no extra agent to operate the temper screw more than the thumb and finger and always keeping its position when shifted and never getting out of order.

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

Adjusting the movable grinder of coffee or spice mills by a handle or lever composed of two parallel pieces and a tempering screw substantially as described.

CHS. H. BEATTY.

Witnesses:

ELY DORSEY,  
F. W. KNOX.