This invention relates to improvements in coffee mills and its object is to produce a device of this class that is simple in construction and efficient in action. With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described in the following specification, pointed out in the claims and illustrated in the accompanying drawings which form a part of the specification and in which-

Fig. 1 is a plan of the coffee mill with a portion of the top broken away.

Fig. 2 is a section taken on line 2--2 of Fig. 1.

Fig. 3 is a section taken on line 3--3 of Fig. 1.

Fig. 4 is a section taken on line 4--4 of Fig. 3

Fig. 5 is a detail.

Like reference characters indicate similar parts throughout the several views.

1 is the casing in which mymill or grinding apparatus is enclosed. It is of the usual or any desired shape or size but in the several figures it is shown square. Within the casing is the grinding chamber 2 secured to the top of the mill, and made integral with a shell 2', by bolts or other suitable fastening means 3 and within this chamber are the grinders 4 and 5 secured, respectively, upon shafts 6 and 7 and meshing with each other. 8 is a support secured within the casing as at 9,9 and through which the lower ends of the shafts 6 and 7 extend, the upper ends of the said shafts extending through the top of the casing 1.

The inner surface of the grinding chamber 2 is corrugated at B and the space between it and the grinders is so narrow that a grain of coffee or a similar grain would be ground between these surfaces also. The grinder 4 is not capable of movement in a vertical plane but the grinder 5 is of less vertical diameter than the chamber 2 and is capable of movement in a vertical plane against the tension of a spring 10 disposed upon the shaft 7 between the grinder 5 and the top of the casing. To the top of the shaft 7 the handle 11 is secured and by

means of it the grinders are rotated. The lower end of the shaft 7 is tapped for the reception of a threaded plug 12 that has a nut 13 on its lower end. The grinder 5 is formed with an integral sleeve that surrounds the shaft 7 and is threaded to engage a thumb screw 12' by means of which the said grinder may be raised or lowered vertically against the tension of the spring 10. The bevel of the grinders 4 and 5 is such that raising the grinder 5 causes a deeper mesh of the teeth of the grinders thus grinding the coffee finer.

FIG. 1.

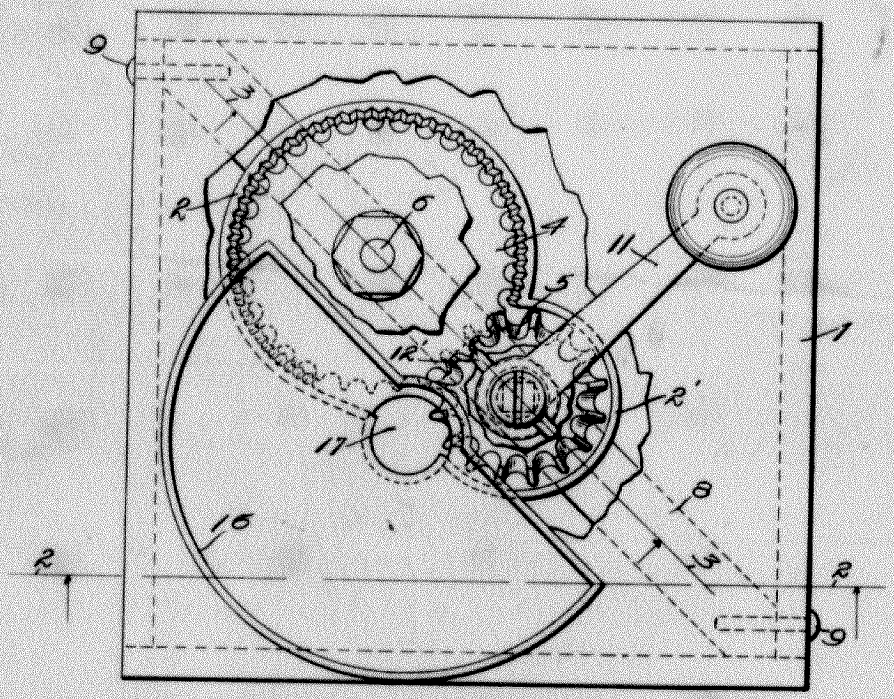
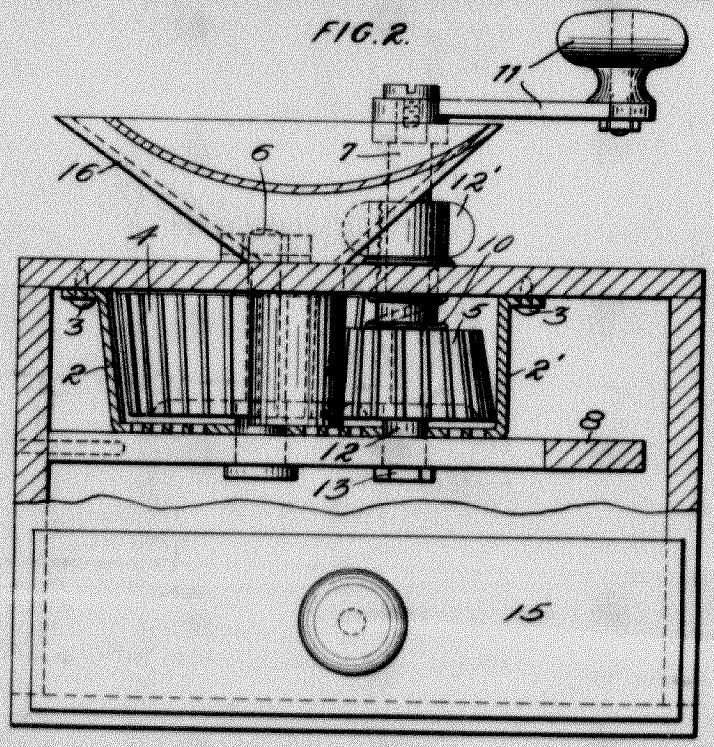


FIG. 2.



Witnesses:
T. Orth
A. W. Chandler.

Certified to be the drawing referred to in the specification hereunto annexed.
Sept 27 1912
Chicago, Ill.

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FIG. 3.

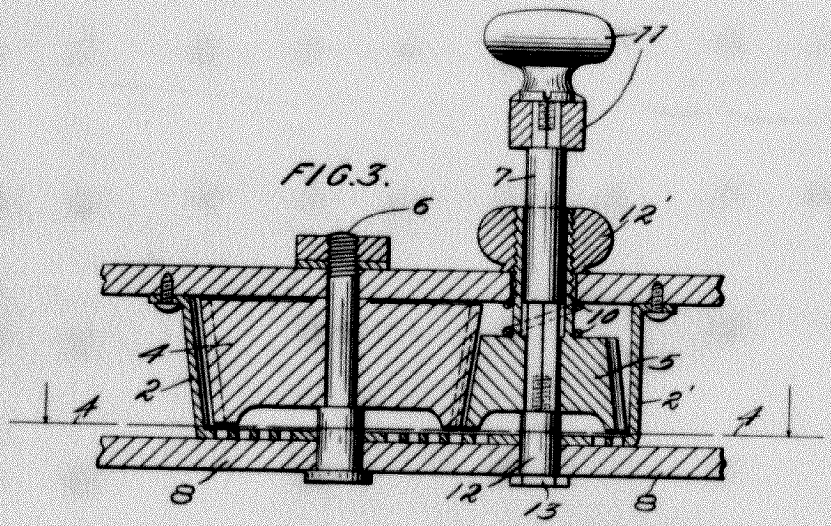

FIG. 4.

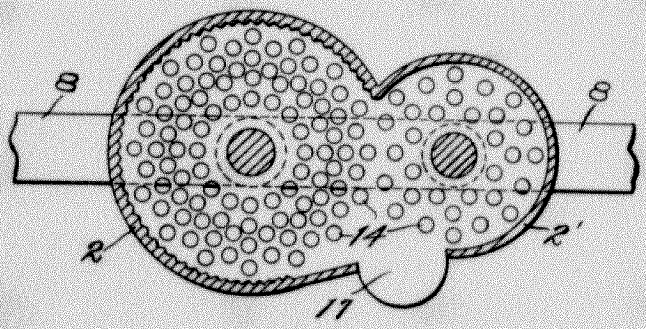

FIG. 5.

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