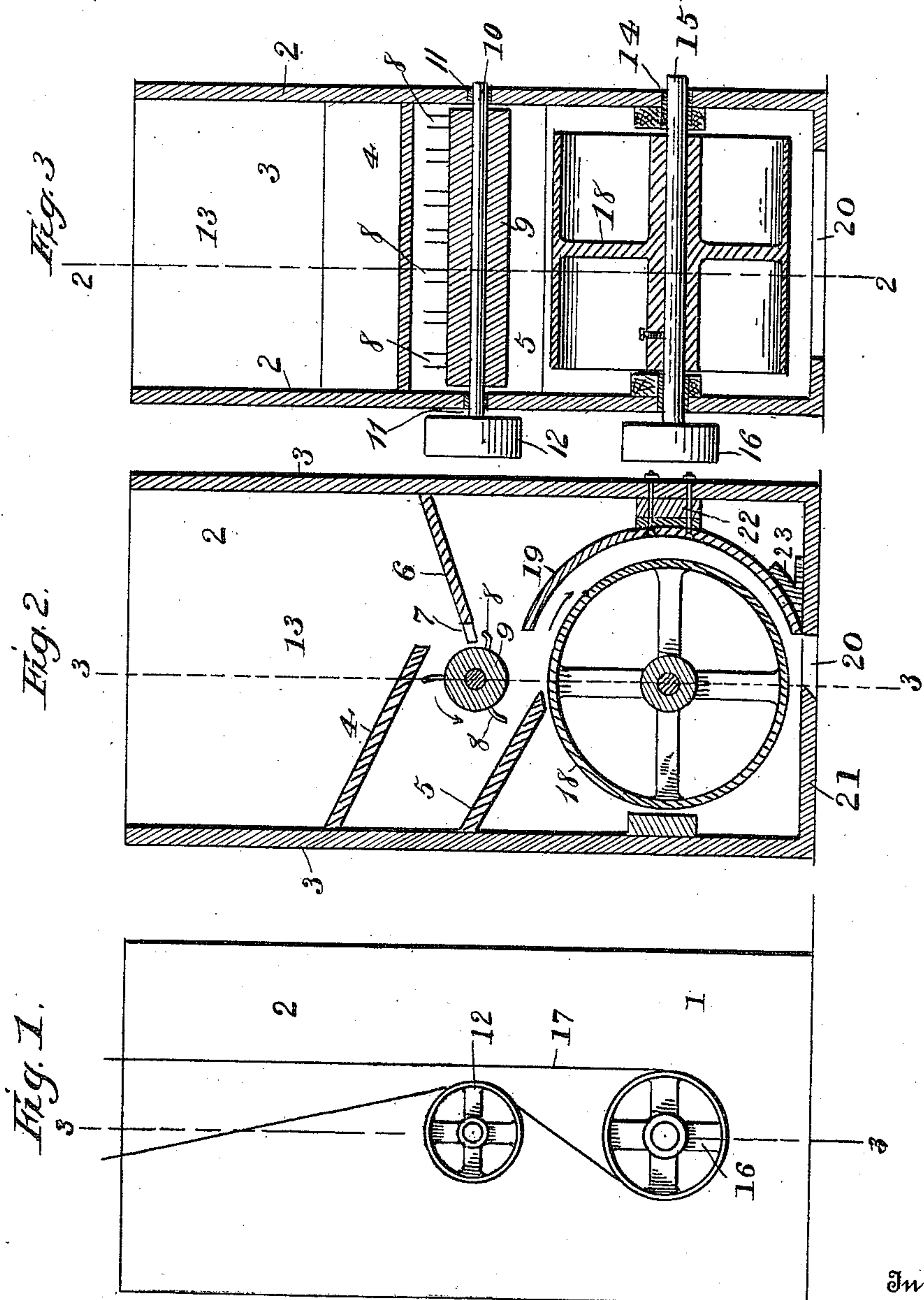


C. H. JACOBS.
NUTCRACKING MACHINE.
APPLICATION FILED NOV. 22, 1909.

994,591.

Patented June 6, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

CLARENCE H. JACOBS, OF SANTA BARBARA, CALIFORNIA.

NUTCRACKING-MACHINE.

994,591.

Specification of Letters Patent.

Patented June 6, 1911.

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To all whom it may concern:

Be it known that I, CLARENCE H. JACOBS, a citizen of the United States, residing at Santa Barbara, in the county of Santa Barbara and State of California, have invented certain new and useful Improvements in Nutcracking-Machines, of which the following is a specification.

My invention relates to a machine for cracking nuts, or the shells of walnuts or other nuts, and its object is to provide a simple and practical method and machine for and in which the shells of the nuts are cracked without unduly breaking the meats.

A further object of the device is to produce a nut cracking machine which will be simple in operation, efficient and durable.

With these and other objects in view my invention consists in the novel construction and arrangements of parts as are fully described hereinafter and particularly pointed out in the claim appended.

Reference being had to the drawings: Figure 1 is an elevation of the machine on the driving side. Fig. 2 is a vertical sectional view taken on the line 2—2 of Fig. 3. Fig. 3 is a vertical, longitudinal, sectional view taken on the lines 3—3 of Figs. 1 and 2.

My invention is described as follows:

The body 1 of the device is composed of the side walls 2 and the end walls 3. Secured in a substantial manner to the walls 3, are two downwardly slanting parallel guide members 4 and 5. Secured in a light manner to the opposite sidewall is a similar guide member 6, whose lower end is arranged to interpose between the inner ends of the members 4 and 5. Said member 6 is provided with a plurality of recesses 7, which recesses allow the passage of the hooked prongs or projections 8, a plurality of which are secured to the roller 9. Said roller 9 is mounted upon a shaft 10, which shaft is rotatably held in suitable metallic bearings 11 in the side walls 2, of the device. A pulley 12 is keyed to one end of said shaft 10. The guide members 4 and 6, together with the end and side walls of the machine, form a suitable hopper 13, wherein may be placed a desired quantity of nuts. Rotatably mounted between said side walls 2, in suitable metallic bearings 14, is a shaft 15 upon the outer end of which is keyed a pulley 16, which corresponds to said pulley 12. A belt or band 17 travels upon said

pulleys 12 and 16 in such manner as to rotate said roller 9 and a metallic cylinder 18 in reverse directions. Said metallic cylinder 18 is securely held to the shaft 15 by any well known means such as a set screw or the like.

Partially encircling the metallic cylinder 18, is a curved metallic member 19, which, as it extends downwardly, gradually converges toward the outer periphery of said cylinder. This feature is particularly pointed out as by this arrangement the nuts are gripped and cracked more and more as the cylinder 18 forces them downward toward the longitudinal slot 20, cut in the base 21 of the machine.

The roller 9, together with the prongs 8 held thereto may be known as the feeding apparatus and by this feeding apparatus only a limited quantity of nuts are allowed to pass at one time, from the hopper 13 into the space between the cylinder 18 and said metallic member 19. It will be stated that the member 19 is substantially braced against one of the end walls 3 by means of a suitable block and nut and bolt connections 22 and the same is also held in a suitable manner to the base 21 adjacent the slot 20 by means of a suitable fastening means 23.

Although I have specifically described the construction of my invention yet such changes therein may be resorted to as do not depart from the spirit of the invention or the scope of the claim hereunto attached.

I claim—

In a nut cracking machine comprising a body portion, a metallic cylinder rotatably mounted therein, a metallic member partially encircling the cylinder, means to feed nuts into the space between the cylinder and the metallic member, said means comprising a roller rotatably mounted within the body portion, a spindle as means upon which the roller revolves, means to prevent the nuts from passing the roller except in certain limited quantities, said means consisting of two downwardly slanting parallel guide members, one of said members being above said roller while the other is below the same, both of said members secured to one of the end walls of the body portion, the third guide member secured in a like manner to the opposite side wall whose lower end is arranged to interpose between the inner ends of the first-mentioned members, said last-

mentioned member provided with a plurality of recesses in its lower edge, said roller provided with a plurality of rows of curved prongs, said prongs being adapted
5 to cause a limited quantity of nuts to pass from the hopper over the roller and upon the lower of the two downwardly slanting parallel guide members whence they enter the space between the metallic cylinder and the

metallic member partially encircling the 10 same.

In testimony whereof I affix my signature, in presence of two witnesses.

CLARENCE H. JACOBS.

Witnesses:

E. A. RIZOR,

J. W. SMITH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
