No. 815,811. PATENTED MAR. 20, 1906.

W. H. GOODMAN.

CANDY SPINNER.

APPLICATION FILED JULY 11, 1905.

Fig. 1.

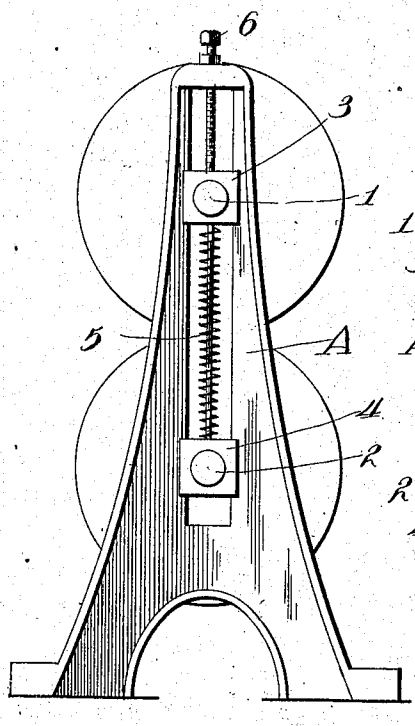


Fig. 2.

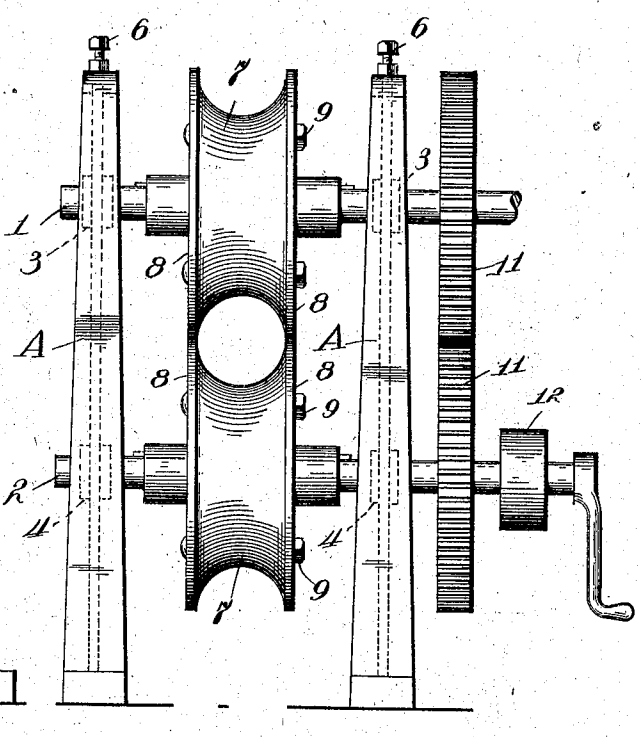
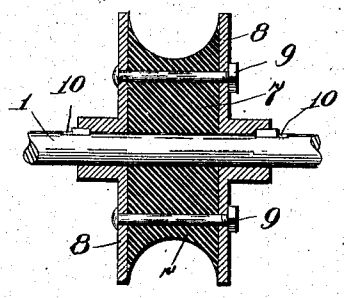


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. GOODMAN, OF KNOXVILLE, TENNESSEE, ASSIGNOR OF ONE-THIRD TO HU. WOODWARD, OF KNOXVILLE, TENNESSEE.

CANDY-SPINNER.

No. 815,811. Specification of Letters Patent. Patented March 20, 1906.

Application filed July 11, 1905. Serial No. 269,227.

To all whom it may concern:

Be it known that I, WILLIAM H. GOODMAN, a citizen of the United States, residing at Knoxville, in the county of Knox and State of Tennessee, have invented certain new and useful Improvements in Candy-Spinners, of which the following is a specification.

My invention relates to an improvement in candy-spinners.

In many of the machines hitherto employed for spinning candy metallic wheels were used; but the objection to metallic wheels or rolls is that the metal becomes easily heated, which causes the candy to adhere to the face of the metal, causing delay and inconvenience.

An object of my invention is to obviate this difficulty, and this is accomplished by the use of wheels or rolls composed of a partly or slightly vulcanized rubber or equivalent material interposed between brass or metallic plates or disks, said intermediate portion having a semicircular circumferential groove or concavity, so that a complete circle is made by the contact of the metallic rims of the wheels or rolls, which contact is regulated by means of tension or set screws, the contact of the rims closing the circular orifice and preventing the adhesion of candy to the same.

My invention further consists in means for spinning candy into round sticks from the plastic mass and in certain other novel features of construction and combinations of parts, which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation. Fig. 2 is an end view, and Fig. 3 is a section in detail.

A A represent two uprights, which constitute the framework of the machine. The numerals 1 and 2 are used to designate two shafts journaled in boxes 3 3 and 4 4, respectively, adjustably supported in the uprights, as shown in Fig. 1. These journal-boxes may be cast or made separate of brass or other material and held in place by grooves or set-screws. Interposed between the journal-boxes are the spiral springs 5 5 to regulate the pressure on the shafts, and the tension of these springs is regulated by the set-screws 6 6.

Wheels or rolls are keyed or otherwise secured to the two shafts. These wheels or rolls are composed of a center 7 of partly or slightly vulcanized rubber or combination of rubber, wood, or other non-conducting material which will preclude the adhesion of candy. The peripheries of these center disks are grooved circumferentially, so that at the point of contact a circle is preferably formed, as shown in Fig. 2. Brass plates or disks 8 8 are secured to the ends of the center disks by bolts 9 9 or other means, and an orifice through the center of each wheel or roll thus formed is provided to receive a shaft upon which the roll or wheel is mounted, the latter being held thereon by keys driven into the grooves 10 10 or other means.

Gear-wheels 11 11 are keyed to the shafts and intergeared, whereby motion is communicated from one shaft to the other in the opposite direction. A belt-wheel 12 is secured to one of the shafts to receive a belt (not shown) if the machine is to be driven from an engine or motor, and a hand-crank may also be secured to this shaft as a means for operating the machine by hand-power.

In connection with the machine just described a feeding device may be used, if desired, although this is not shown. Likewise two additional wheels or rollers might be employed to run at right angles with the other two rollers, they being grooved in the same manner.

From the foregoing it will be seen that a simple machine is provided for spinning round stick candy and at the same time one which will prevent adhesion of the plastic mass to the parts of the machine.

Slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction herein set forth; but,

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A wheel or roll for candy-spinners comprising a center of elastic yielding material to which the candy will not adhere, and ends for laterally supporting the elastic center.

2. The combination with a frame, journal-boxes, shafts journaled therein, and tension means, of wheels or rolls secured to the shafts, the centers of the wheels or rolls composed of elastic yielding material circumferentially grooved.

3. The combination with a suitable frame,

shafts journaled therein, and rollers secured to the shafts, the centers of said rollers composed of partly or slightly vulcanized rubber circumferentially grooved, and end plates or disks secured thereto, and mounted on the shafts.

4. The combination with a suitable frame, shafts journaled therein and rollers secured to the shafts, said rollers composed of circumferentially-grooved centers of partly or slightly vulcanized rubber to which candy will not adhere, end plates or disks, said disks or centers secured together and springs to regulate the pressure on the shafts of the rolls, and set-screws for regulating the tension of the springs.

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

WILLIAM H. GOODMAN.

Witnesses:

JAS. C. WOODWARD,

W. B. HENDERSON.