

No. 748,060.

PATENTED DEC. 29, 1903.

C. D. FRANKINSON.
CANDY PULLING MACHINE.
APPLICATION FILED FEB. 28, 1903.

NO MODEL.

Fig. 1.

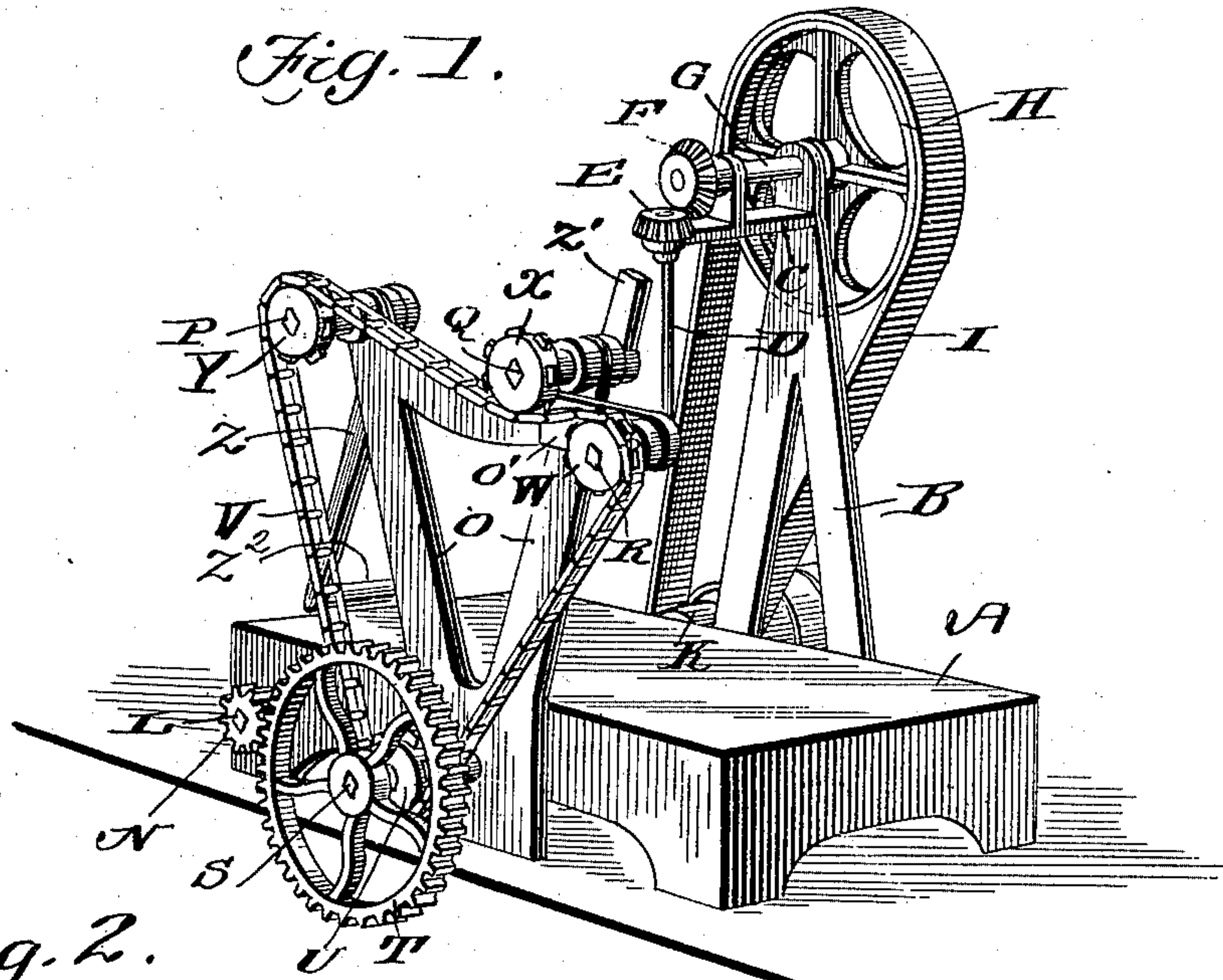


Fig. 2.

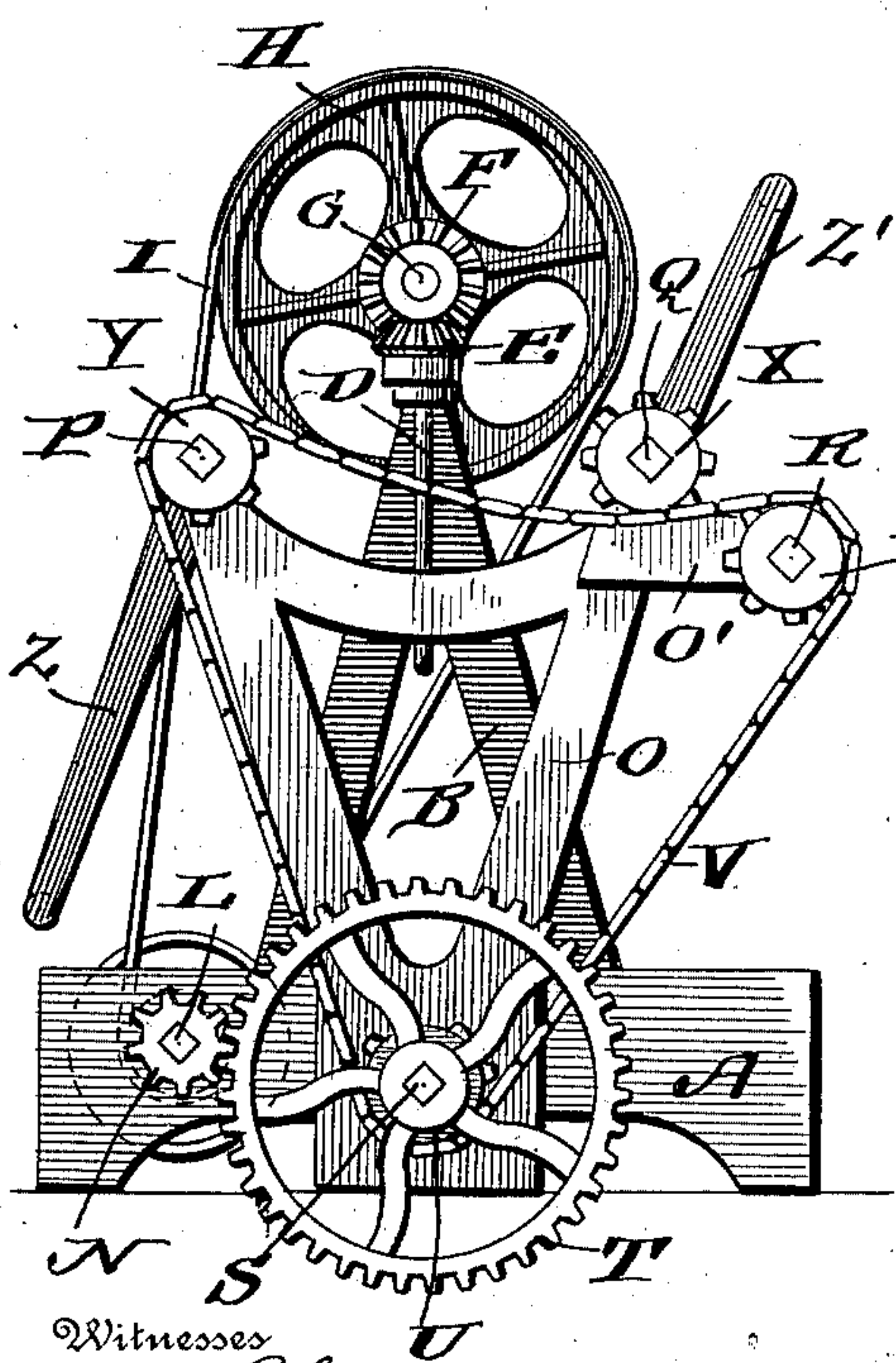
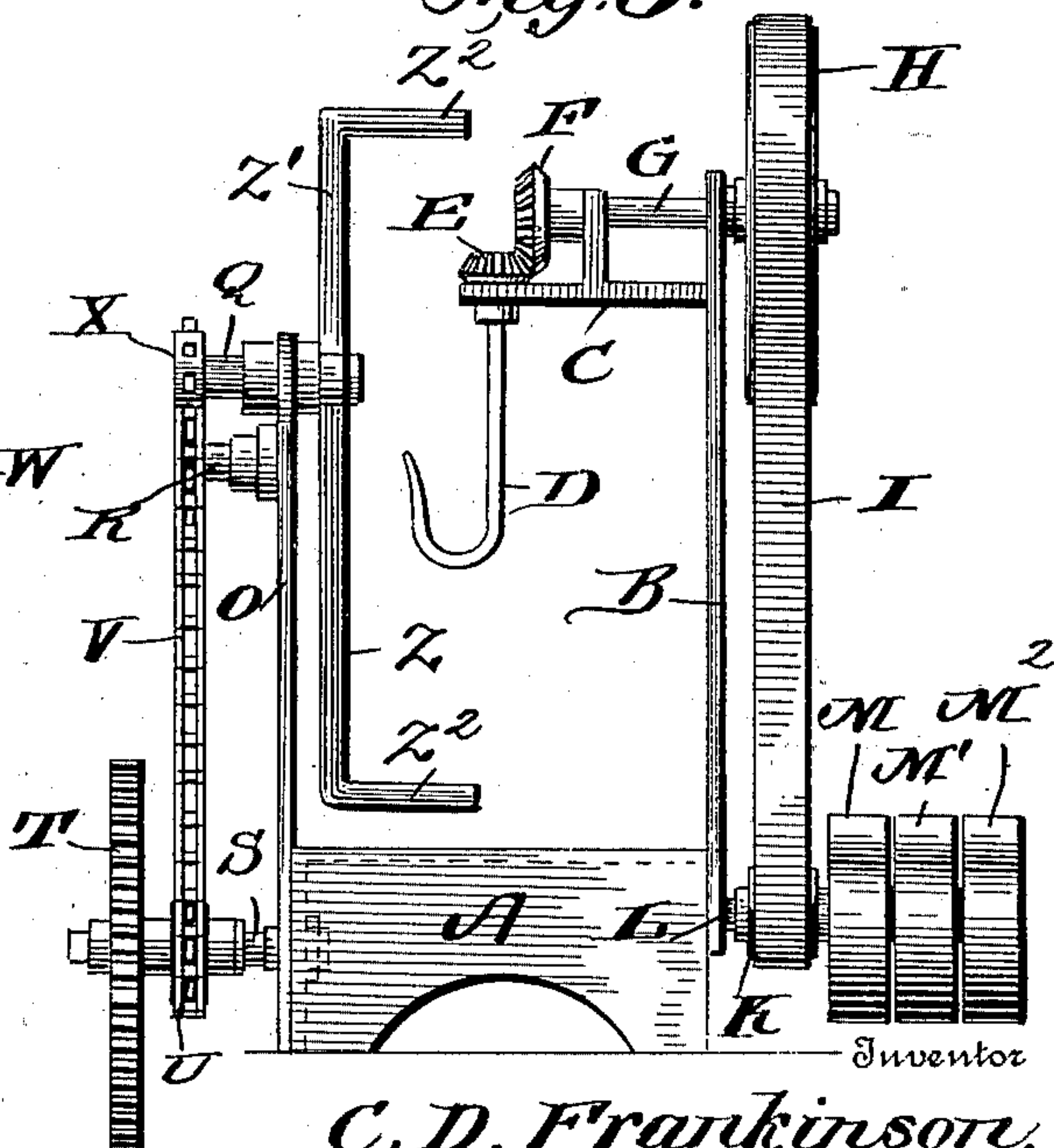


Fig. 3.



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CLINE D. FRANKINSON, OF MERIDIAN, MISSISSIPPI.

CANDY-PULLING MACHINE.

SPECIFICATION forming part of Letters Patent No. 748,060, dated December 29, 1903.

Application filed February 28, 1903. Serial No. 145,566. (No model.)

To all whom it may concern:

Be it known that I, CLINE D. FRANKINSON, a citizen of the United States, residing at Meridian, in the county of Lauderdale and State of Mississippi, have invented a new and useful Improvement in Candy-Pulling Machines, of which the following is a specification.

This invention is an improved machine for pulling and working candy, the object being to provide a simple and efficient machine by means of which the candy can be quickly and easily pulled or worked to the proper consistency of either taffy or stick candy; and with this object in view the invention consists, essentially, in the employment of a suitable base supporting a rotatable hook and a pair of pulling-arms adapted to be revolved around the said hook for the purpose of pulling and working the candy held upon said hook, together with means for operating the said hook and arms, said means being connected also to the base.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter, and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view of a candy-pulling machine constructed in accordance with my invention. Fig. 2 is a side view of the same. Fig. 3 is an end view.

In constructing a machine in accordance with my invention I employ a base A, which may be of any size or shape desired and made of any suitable material. Connected to one side of the base and extending upwardly therefrom is a standard B, carrying a horizontal bracket-arm C adjacent to the upper end, said arm projecting over the base, as most clearly shown in Figs. 1 and 3, and depending from the end of said bracket-arm is a hook D, the shank of said hook being journaled in the bracket-arm and provided with a beveled gear E upon the upper end thereof, which gear meshes with a beveled gear F, mounted upon the end of a shaft G, which is journaled in suitable bearings carried by the standard B and bracket-arm C, said shaft having a band-wheel H upon the outer end thereof over which runs a belt I, said belt passing around a pulley K, which is arranged upon the shaft L, which passes horizontally

through the base and carries three pulleys M, M', and M² upon one end and a pinion N upon the opposite end. The pulley M is constructed to operate the pulley K for the purpose of rotating the hook D, as hereinafter explained, and the pulley M' is a loose pulley, while the pulley M² is fast upon the shaft L for the purpose of rotating said shaft and driving the pinion N.

An upright frame O is connected to the base opposite the standard B, said frame having short shafts P and Q journaled at the upper ends thereof, and said frame is also provided with a lateral offset or arm O', in which is journaled a short shaft R. A shaft S projects outwardly from the base or frame O and has a gear T arranged thereon, which gear meshes with and receives its motion from the pinion L, and the hub of the gear T is constructed with a sprocket-wheel U, around which passes a sprocket-chain V, said chain passing over an idler-sprocket W, mounted upon the shaft R, under a sprocket X, carried by the shaft Q, and over the sprocket Y, carried by the shaft P. A pulling-arm Z is mounted upon the inner end of the shaft P, and another pulling-arm Z' is mounted upon the inner end of the shaft Q, said arms being bent inwardly at their ends, as shown at Z², and it will be noted that the arm Z is slightly longer than the arm Z'.

In operation a quantity of candy to be worked is placed upon the hook D, and the arms Z and Z' revolved around said hook by applying power to the fast pulley M². These arms effectively pull or work the candy, each arm alternately throwing a portion of the candy back upon the hook and catching a portion of the candy dropped from the other arm. Candy worked in this manner is more or less porous and particularly adapted for taffy.

In case the candy is desired for stick candy it is necessary to work all the wind or air therefrom, and in order to do this the hook D is rotated by means of the gears E and F, operated through the medium of the wheels H and K and the belt I, the power being applied to the pulley M in such case, and the candy will be thoroughly twisted, excluding all the air therefrom and giving it a fine grain, it being understood that the pulley M is loose

upon the shaft L, but is rigidly connected with the pulley K, so that when the power is applied to the pulley M the twisting mechanism will be operated.

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

10 1. A candy-pulling machine comprising a base, a depending hook supported vertically above the base, and a pair of pulling-arms adapted to revolve around the said hook, together with means for operating said arms, as set forth.

15 2. A candy-pulling machine comprising a base, a depending hook supported above the base, and a pair of independent pulling-arms adapted to revolve around the said hooks from different centers, together with means for operating said arms, as set forth.

20 3. A candy-machine comprising a base, a hook supported vertically above the base, means for rotating the hook about its vertical axis, and a pair of pulling-arms adapted to

rotate around the hook, together with means for operating said arms, as set forth. 25

4. A candy-pulling machine comprising a base having an upright standard at one side and a bracket-frame at the opposite side, a hook supported from a bracket carried by the standard, a pair of pulling-arms connected 30 to shafts journaled in the bracket-frame, the sprocket-wheels carried by said shafts, the sprocket-chain and means for operating the same, and means connected with the hook for rotating the same, all of said parts being 35 adapted to operate substantially as described.

5. A device of the kind described, comprising a base, a hook rotating in a horizontal plane, a plurality of independent arms rotating about separate centers and each revolving 40 around the hook, and means for rotating the hook and arms.

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Witnesses:

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