

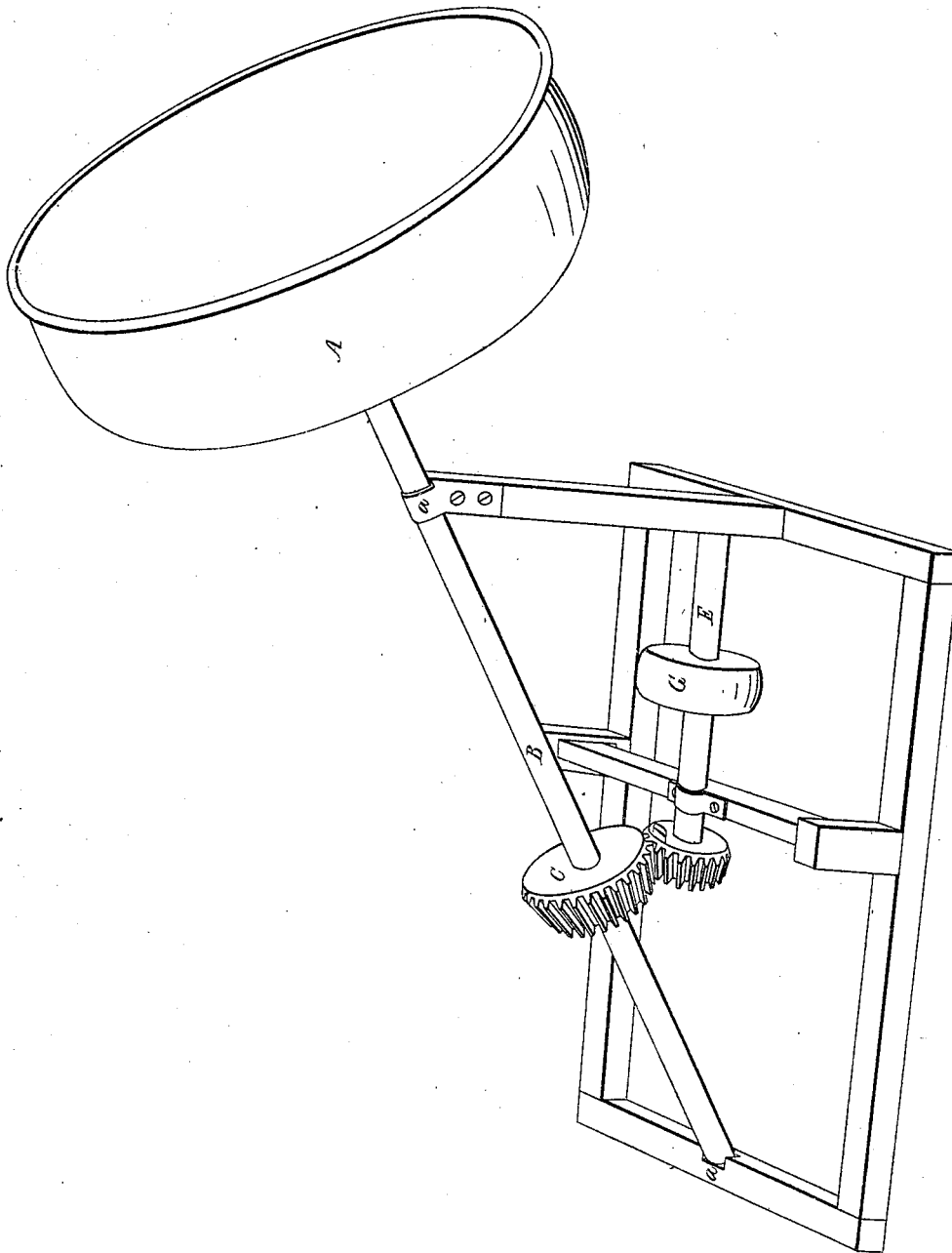
259-81

W. H. Holt.

*Making Confectionery.*

N<sup>o</sup> 7,702.

Patented Oct. 8, 1850.



# UNITED STATES PATENT OFFICE.

WM. H. HOLT, OF HARTFORD, CONNECTICUT.

## IMPROVED KETTLE FOR MANUFACTURING COMFITS.

Specification forming part of Letters Patent No. 7,702, dated October 8, 1850.

*To all whom it may concern:*

Be it known that I, WILLIAM H. HOLT, of the city and county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in the Manufacture of Comfits, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, which forms part of this specification, and represents a view in perspective of my improved comfit-pan, and the machinery by which it is operated.

In the manufacture of comfits it is customary to introduce the seeds or other substances which form the cores of the comfits into a pan, which is swung to and fro over a fire by a workman, who requires considerable experience in the business to enable him to give the proper movement to the pan. As soon as the seeds are properly warmed, the sirup is introduced in successive portions, and the swinging of the pan is continued until the cores are coated to the requisite thickness.

The object of my invention is to obviate the disadvantages incident to this system, and to enable a single workman unskilled in the peculiar manipulation above mentioned to conduct the operation of several pans, thus dispensing with the great amount of labor ordinarily required, while at the same time the quality of the product is improved. The apparatus employed by me to effect this purpose consists of a pan of copper or other suitable material mounted in an inclined position upon a spindle, to which a rotary motion is imparted by means of suitable mechanical devices.

In the accompanying drawing, A is the copper pan. It may be made in a manner similar to that of the ordinary hand apparatus; but, as it is operated mechanically, it may be considerably increased in size. This pan is secured in an inclined position (as represented in the accompanying drawing) to the upper extremity of an inclined spindle, B, supported in boxes *a a* upon a frame. A leveled wheel, C, is fitted to the spindle, and meshes into a corresponding leveled wheel, D, on a horizontal shaft, E, also supported by the frame. This shaft is put in motion either by means of a belt encircling a belt-pulley, G, or by some

other mechanical device, by means of which the motion of the prime mover of the establishment can be imparted to it. The pan projects over a fire, by which the materials in the pan are heated.

In working with this improved apparatus it is obvious that the hand-shaking is replaced by the rotary movement of the pan, and hence the labor required to effect this part of the operation is saved. The feeding of the sirup and the management of the pan require much less labor and experience than the hand-shaking, and with my improved apparatus a single boy can conduct the operations of four such pans. It will thus be seen that a boy can accomplish the work of four experienced men. It has also been proved by actual practice that a heavier sirup than that usually employed can be used with advantage, and that the work is left with a better surface than that produced by the old hand-pan, while at the same time the quality of the product from the regular movement of the pan is improved.

It is obvious that a continuous rotary motion of the pan is not the only one which will produce a good result, but that the motion may be intermittent in either direction or vibratory without materially affecting the result. The agitation of the materials in the pan may also be increased by the addition of radial or inclined projections on the inside of the pan. These, as the pan turns, will lift up the comfits and allow them to drop, thus completely turning them over and bringing all parts of the mass in contact with the hottest portions of the pan.

What I claim as my invention, and desire to secure by Letters Patent, is—

The improvement in the manufacture of comfits by apparatus constructed upon the principle herein set forth, and consisting, essentially, of a pan moved by machinery, as herein described.

In testimony whereof I have hereunto subscribed my name.

WM. H. HOLT.

Witnesses:

FREDK. S. BROWN,  
EDWARD GOODMAN.