

H. H. SNOW.
Peppermint Dropper.

No. 7,963.

Patented March 4, 1851.

Fig. 1.

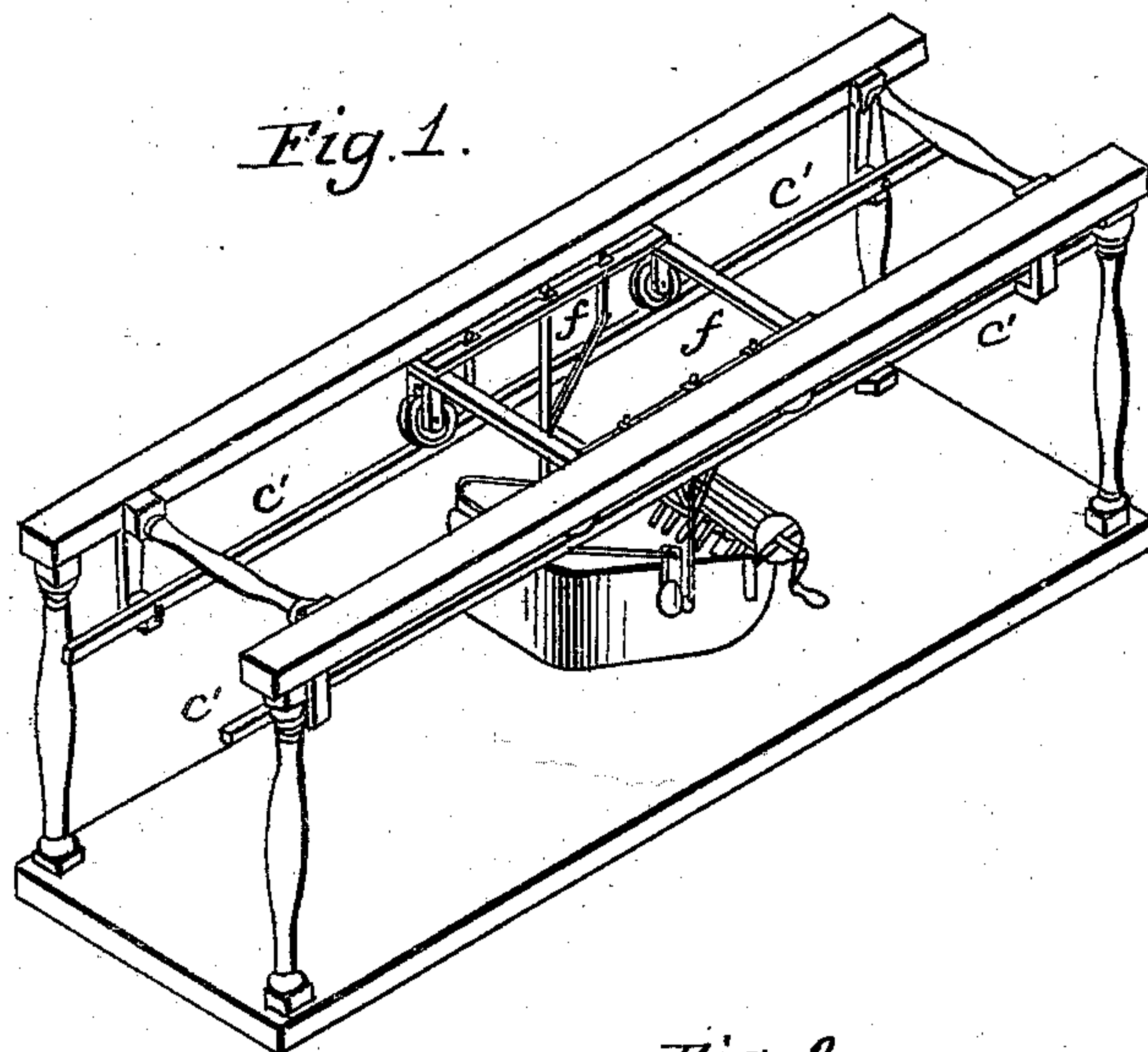


Fig. 2.

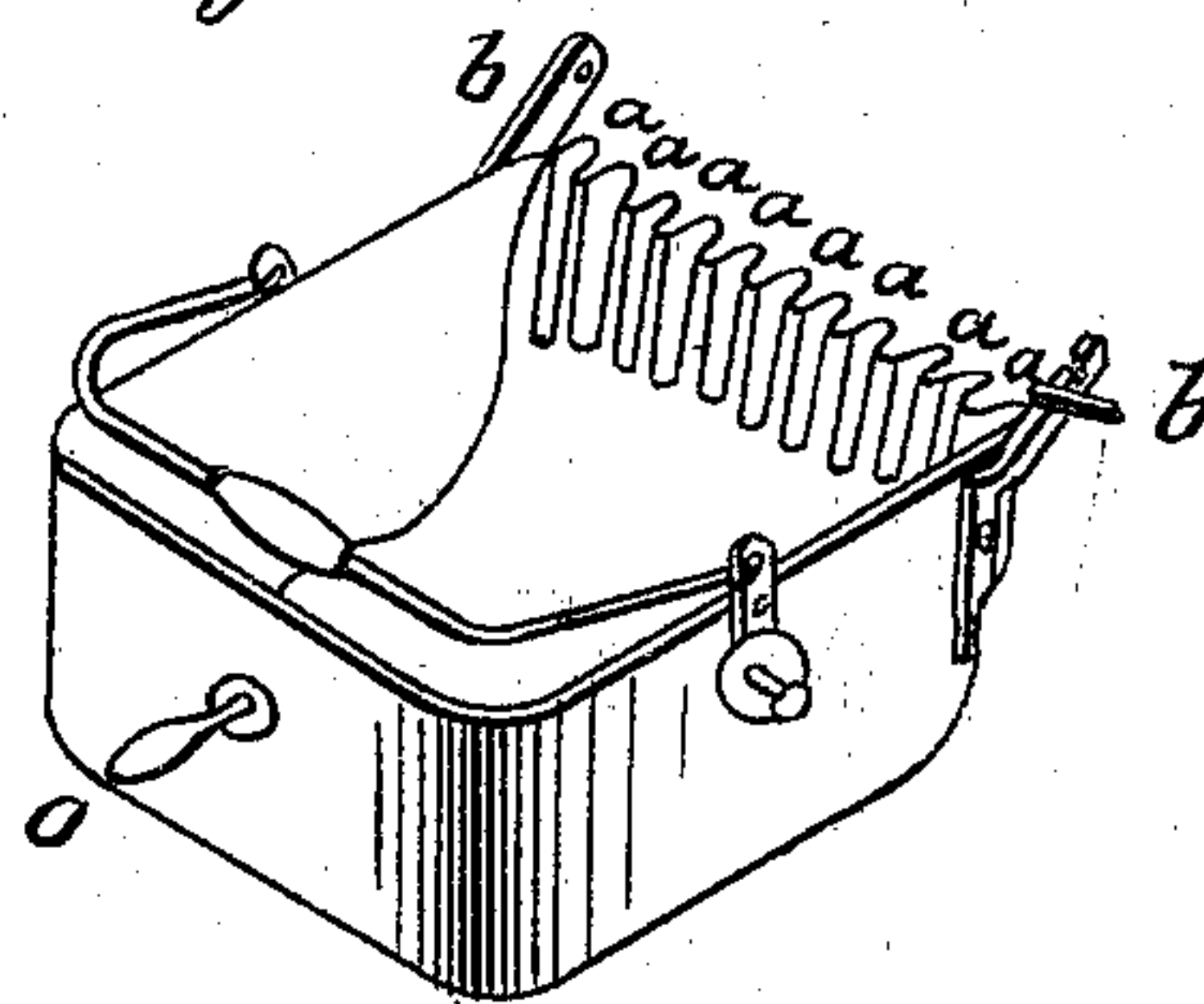
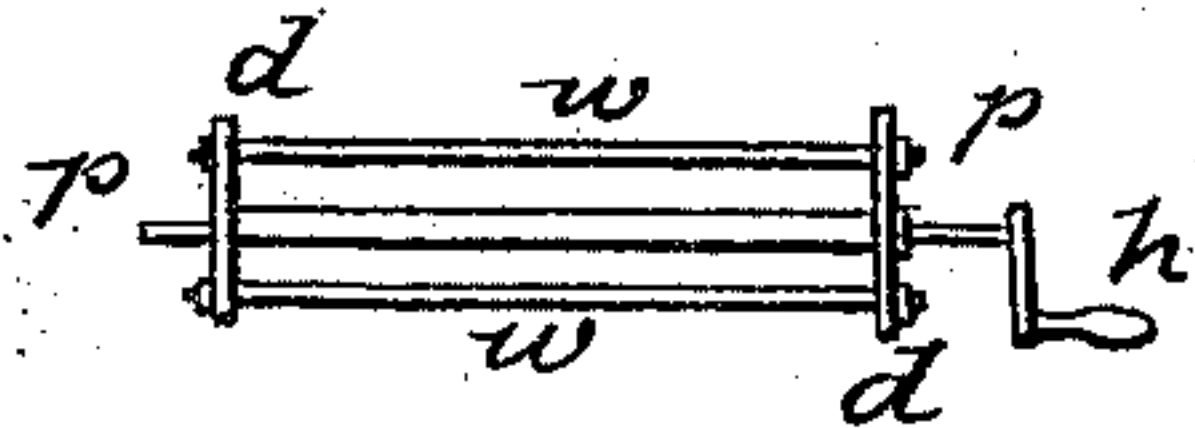


Fig. 3.



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UNITED STATES PATENT OFFICE.

HENRY H. SNOW, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN PEPPERMINT-DROPPERS.

Specification forming part of Letters Patent No. 7,963, dated March 4, 1851.

To all whom it may concern:

Be it known that I, HENRY H. SNOW, of the town and county of New Haven, in the State of Connecticut, have invented a new and useful Machine for Making Peppermint and other Drops; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

The nature of my invention consists in the construction of a peppermint-dropper with a revolving cutter, and in the application of motion either to such dropper by means of a railway, the object upon which the drops are to fall being stationary, or to the object upon which the drops are to fall, and which I shall term the "dropping-sheet," the dropper being stationary, or to both the dropper and the dropping-sheet at one and the same time.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct a sugar-kettle, Figure 2, A, of copper or any other suitable material, of any desired size and shape, (though a square form is preferable,) with a row of any desired number of nozzles, *a a a*, substantially as represented in Fig. 2. Directly in front of the nozzles I place a revolving cutter, which may be constructed as represented in Fig. 3, by extending one, two, or more wires, *w w*, between two circular disks, *d d*, of wood, metal, or other suitable material, the exterior surface of each disk having a pivot, *p*, in its center, which rest in the bearings *b b*, Fig. 2. A convenient way of constructing these bearings is represented in Fig. 2, their length and position being such that when the cutter-wheel is revolving the wires or cutters will just graze the tips of the nozzles of the kettle, as seen in Fig. 1. A handle for turning the cutter-wheel may be attached in any convenient way. The position of the cutter-wheel when attached to the sugar-kettle is seen in Fig. 1. The dropper constructed substantially in the manner thus described may be held, if not too large, in the hand over the dropping-sheet, as is the practice with the common peppermint-dipper, and by revolving the cutter-wheel the drops

may be thus made with great rapidity and uniformity, as many drops being made at each stroke of the cutter as there are nozzles; but when the drops are to be made upon any considerable scale, this method of using the dropper will be found too tedious, and not sufficiently expeditious. To facilitate, therefore, still further the manufacture of the drops, I combine my dropper either with a railway, the dropping-sheet being stationary, or with a movable dropping-sheet, the dropper itself being stationary, or with a railway and a movable sheet combined.

A convenient way of combining a dropper with a railway is represented in Fig. 1. A railway, *r*, may be attached to the ceiling of a room, from and moving over which may be suspended a carriage-frame, *f*. In Fig. 1 is also shown a convenient way of attaching the dropper to this frame, which admits of the dropper being freely moved and of being readily hung and unhung. The dropper may be propelled over the railway by hand, (for which purpose a handle, *c*, is secured in the back,) or by any other motive power, as may be desired. In the second case mentioned I suspend the dropper in a permanent position, while the dropping-sheet is made to move beneath the dropper by hand or any other motive power applied in any usual way. If desired, a rotatory motion may be given to the dropping-sheet, the drops, by means of a scraper, being made to fall into a receiver placed beneath for that purpose, the dropping-sheet in this case being an endless one. In the third case mentioned it will be only necessary to combine the motion of the dropper over the railway with the motion of the dropping-sheet, as they are described in the two former cases. By either of these arrangements peppermint-drops may be manufactured with great rapidity, ease, and accuracy, and much cheaper than by the common process. Winter-green and all other kinds of drops made from sugar may also be made by this dropper, and it is intended for their manufacture as well as that of peppermint-drops.

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

1. The construction of a peppermint-drop-

per by combining a sugar-kettle, Fig. 2, A, with a revolving cutter, Fig. 3.

2. The combination of such dropper, either with a railway, Fig. 1, the dropping-sheet being stationary, or with a movable dropping-sheet, the dropper itself being stationary, or with a railway and a movable dropping-sheet

combined, all substantially as herein described.

November 30, 1850.

HENRY H. SNOW.

In presence of—

AARON BELDEN,

WM. H. ELLIOT, Jr.