

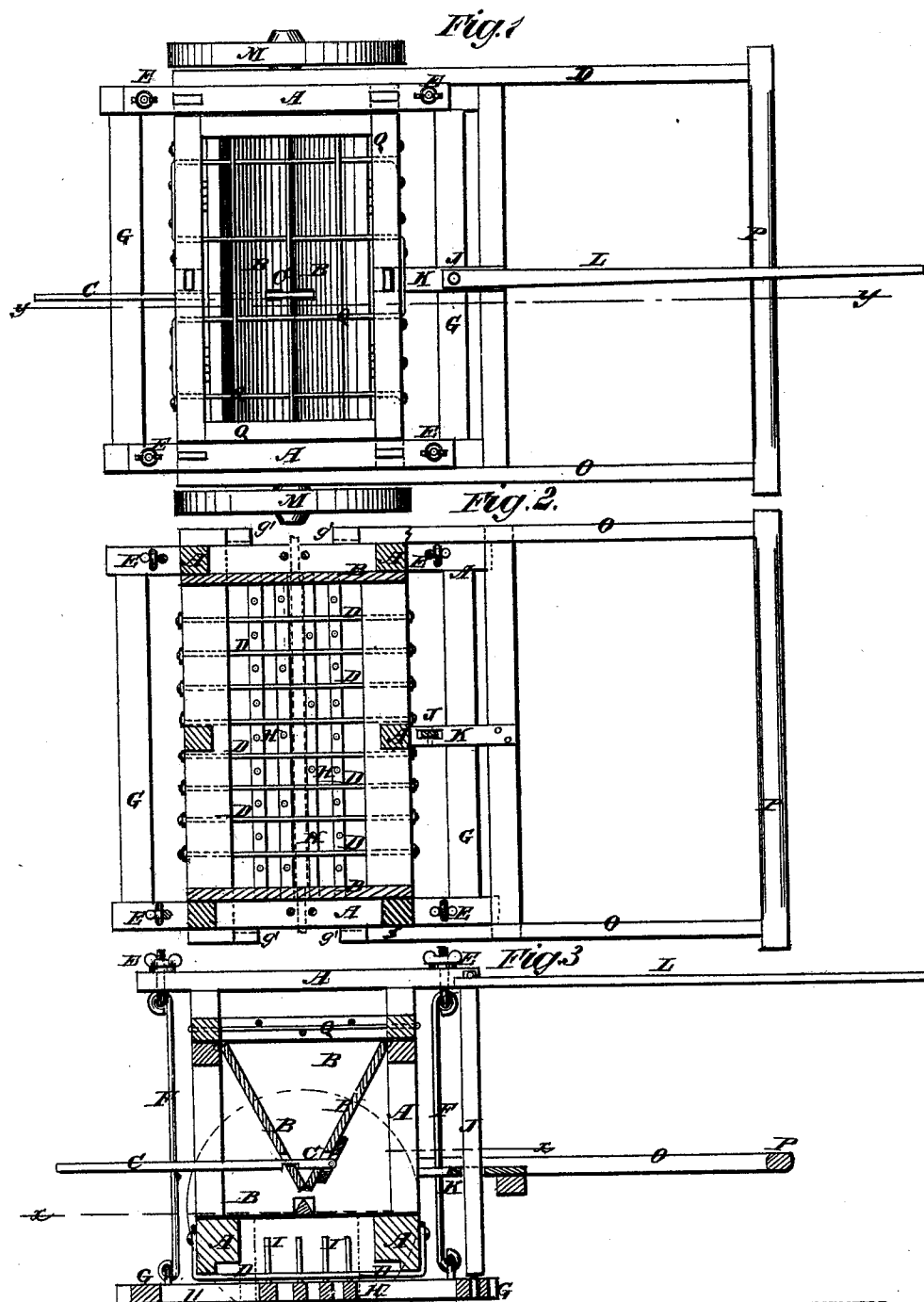
J. H. BAKER, dec'd.

J. BAKER, Executor.

SANDING-MACHINE.

No. 175,325.

Patented March 28, 1876.



WITNESSES:

*S. M. Audley*  
*John Goethals*

INVENTOR

*Jehiel Baker*  
Executor of J. H. Baker, dec'd.

BY

*Mum*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE

JEHIEL BAKER, OF WESTPORT POINT, MASSACHUSETTS, EXECUTOR OF  
JOHN H. BAKER, DECEASED.

## IMPROVEMENT IN SANDING-MACHINES.

Specification forming part of Letters Patent No. **175,325**, dated March 28, 1876; application filed  
February 21, 1876.

*To all whom it may concern:*

Be it known that JOHN H. BAKER, late of Westport Point, in the county of Bristol and State of Massachusetts, did invent a new and useful Improvement in Sanding-Machines, of which the following is a specification:

Figure 1 is a top view of the improved machine. Fig. 2 is a horizontal section of the same, taken through the line *xx*, Fig. 3. Fig. 3 is a vertical section of the same, taken through the line *yy*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish a machine for spreading sand over cranberry-bogs, which shall be simple in construction, convenient in use, and effective in operation, enabling the sand to be spread evenly and rapidly over the bogs.

The invention consists in the box, made with two stationary and two hinged sides, and provided with a lever-latch and the wire bottom, in combination with the frame, the axle, and the wheels; and in the combination of the supporting-rods, the swinging frame, and its toothed bars with the frame, the box, and the wire bottom, as hereinafter fully described.

A is the frame of the machine, a convenient size for which would be thirty inches long, twenty inches wide, twenty-seven inches high. To the ends of the frame are attached the ends of a box, B, the sides of which are hinged at their upper edge to the upper cross-bars of the frame A, about five inches from the top of said frame, making the height of the box about twenty-two inches. In a slot in the lower part of one of the hinged sides of the box B is pivoted the end of a lever-latch, C, which passes through a slot in the lower part of the other side of said box, and has a notch formed upon its lower edge, so as, when the lower edges of the said hinged sides are swung together, to lock them in place, as shown in Fig. 3. To the base-bars of the frame A are attached iron wires D, about six-tenths of an inch apart, which wires form the bottom of the machine, and upon them the sand rests when the machine is being used. The ends of the top side bars of the frame A project, and

to them are attached eyebolts E, provided with hand-nuts upon their upper ends, and to the eyes of which are pivoted the upper ends of four rods, F. To the lower ends of the four rods F are pivoted the four corners of a frame, G, which is suspended below the base-frame of the machine. To the side bars of the swinging frame G are attached four (more or less) cross-bars, H, to which are attached wire teeth I, which teeth are about one and a half inch long, and project between the wires D of the bottom of the machine. The outer bars H are provided with teeth I for each space between the wires D, and the intermediate bars H are provided with teeth I for the alternate spaces of said wires D.

With this construction, by turning the nuts of the eyebolts E in one or the other direction the frame G will be raised or lowered, to cause the teeth I to project more or less into the sand, and feed out the sand faster or slower, as may be desired.

To the front cross-bar of the frame G is pivoted the lower end of a lever, J, which passes through a support, K, attached to the frame A, and which forms the fulcrum of said lever. Power to oscillate the frame G is applied to the upper end of the lever J either directly or by means of a bar, L, pivoted to said end. The machine is supported and transported by wheels M, which revolve upon the journals of the axle N, attached to the lower part of the frame A. The middle part of the axle N is made V-shaped upon its upper side, so that it may not impede the descent of the sand. To the lower part of the frame A are attached two bars, O, the outer ends of which are connected by a cross-bar or round, P; to serve as a handle in using the machine. Upon the top of the box B is laid a wire screen, Q, of very coarse mesh, to prevent roots and other coarse substances from entering the box B with the sand. The frame G is kept from lateral movement while being oscillated by guides *g'*, attached to the lower side bars of the frame A.

In using the machine, the lower edges of the hinged sides of the box B are swung together and fastened, to prevent the sand from falling through while being shoveled into said

box. When the box B has received the desired amount of sand the latch-lever C is unfastened, which allows the hinged sides of the said box to swing apart, and the sand to fall in a body upon the wire bottom D, whence it is fed out, as the machine is drawn over the bog, by oscillating the frame G and its toothed bars H I.

Having thus described the invention, I claim as new and desire to secure by Letters Patent—

1. The box B, made with two stationary and two hinged sides, and provided with a lever-latch, C, and the wire bottom D, in combina-

tion with the frame A, the axle N, and the wheels M, substantially as herein shown and described.

2. The combination of the supporting-rods F, the swinging frame G, and its toothed bars H I with the frame A, the box B, and the wire bottom D, substantially as herein shown and described.

JEHIEL BAKER,

*Executor of the will of John H. Baker.*

Witnesses:

GEO. H. GIFFORD,  
JOHN A. BAKER.