

A. BENTLEY.

Agricultural Boiler.

No. 8,918.

Patented May 4, 1852.

Fig. 1.

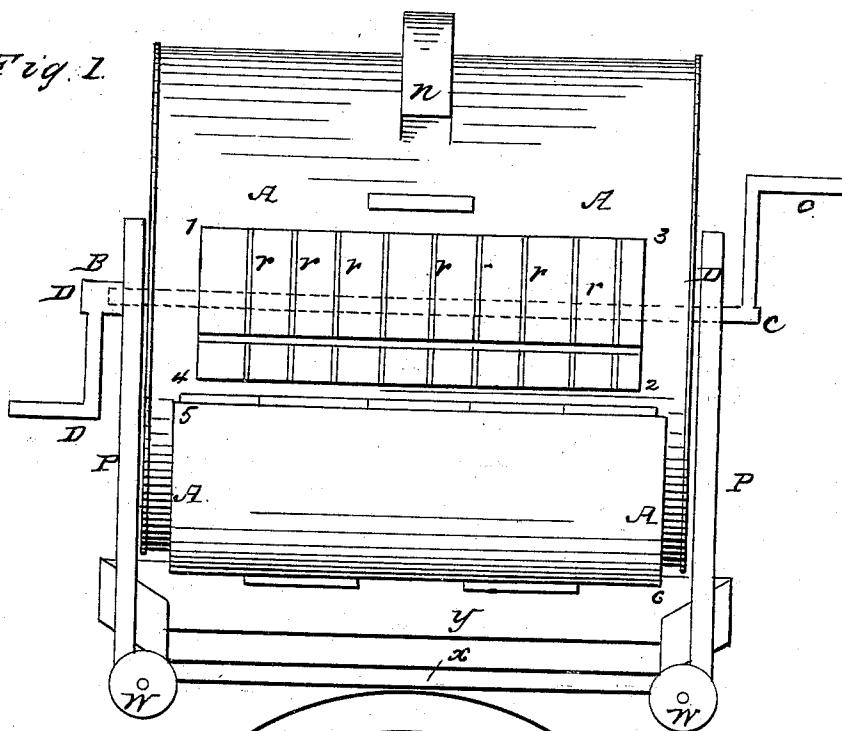
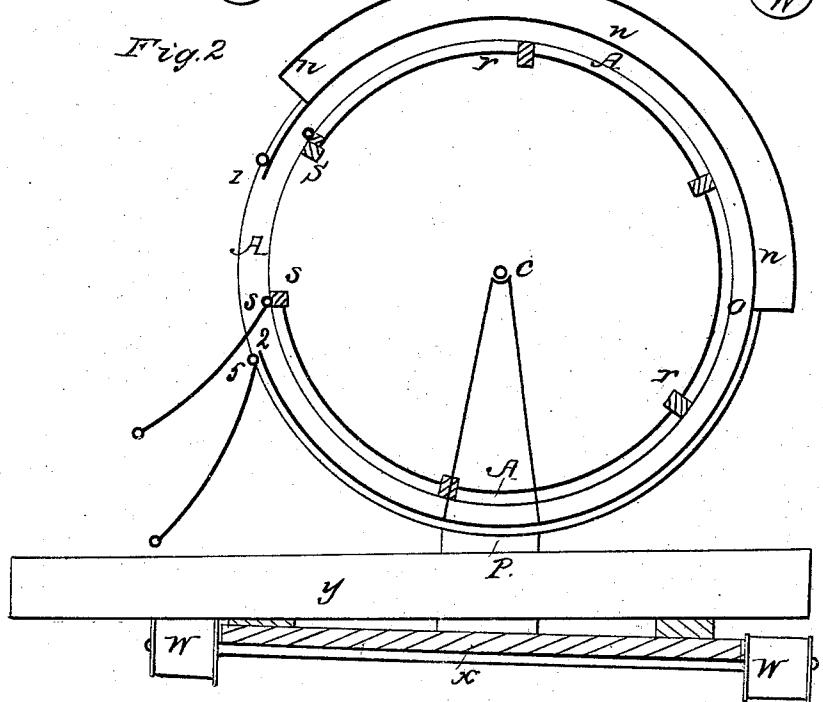


Fig. 2



UNITED STATES PATENT OFFICE.

ALONZO BENTLEY, OF HONESDALE, PENNSYLVANIA.

POTATO-WASHER.

Specification of Letters Patent No. 8,918, dated May 4, 1852.

To all whom it may concern:

Be it known that I, ALONZO BENTLEY, of the borough of Honesdale, county of Wayne, and State of Pennsylvania, have invented a new and useful Machine for Washing and Steaming Potatoes and other Vegetables; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had 10 to the annexed drawings, making a part of this specification, in which—

Figure 1 is a front view and Fig. 2 is a sectional end view.

The nature of my invention consists in 15 the employment of a revolving screen concentrically within a closed cylinder, the shaft of the former running through tubular projections forming the bearings of the latter, the potatoes being fed within the revolving screen and water or steam supplied as requisite.

To enable others skilled in the art to make and use my invention I will proceed more fully to describe it.

25 A is the outer closed cylinder, it serves to hold the water while washing and retain the steam while steaming, it is carried on a suitable frame of which x is the platform and P P the posts to carry it and in 30 which it rests (so as to turn when requisite) by tubular projections D in the center of either end and having a handle indicated by same letter to turn it.

B, C is the axis and crank handle of the 35 revolving screen lying concentrically within the cylinder A, the said axis extending through either tubular bearing of the cylinder or partly only into the one to which the handle D is fast.

40 W are running wheels to carry the machine and move it about.

5, 6, is a lid or door to the cylinder A: 1, 2, 3, 4 opening in the cylinder closed by the door 5, 6.

45 r r are wires composing the revolving screen.

n is a steam pipe communicating by aperture o with the interior of the cylinder

A: Y a trough to receive the contents of the screen when drawing off. 50

t, s, is a lid or door to the screen and S S the opening closed thereby, longitudinal bars brace and hold the wires constituting the screen: the several parts specified may either be made of wood or metal. 55

In the operation of the machine, the cylinder and screen are turned by their respective handles to the positions shown in the drawings, Fig. 2 when both lids or doors being open, the potatoes or other vegetables 60 are put into the screen through the opening S S, the lid t s is then closed and made fast, and the cylinder A turned till the lid 5, 6 is uppermost when water is poured in and the screen rotated (the cylinder remaining stationary) thus washing the vegetables, after which the water may be drawn off by again half or partly turning the cylinder till the door 5, 6 is undermost and opened, the trough Y receiving the water. 70 If in addition to washing it is required to steam the vegetables, the doors of the cylinder and screen are kept closed and steam admitted through the pipe n when by 75 rotating the screen the process will be performed, and, which processes being completed, the cylinder and screen doors are again opened as seen more particularly in Fig. 2, and both cylinder and screen so turned as to deliver the vegetables into the 80 receiving trough Y or otherwise. The machine so constructed I denominate a rotary potato and vegetable washer and steamer.

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

The screen and cylinder combined, the screen working within the cylinder and its axis or shaft working within or through the tubular projections or bearings of the 90 same, substantially in the manner and for the purposes set forth.

ALONZO BENTLEY.

Witnesses:

A. N. NAURHANE,
ALVA HIGGINS.