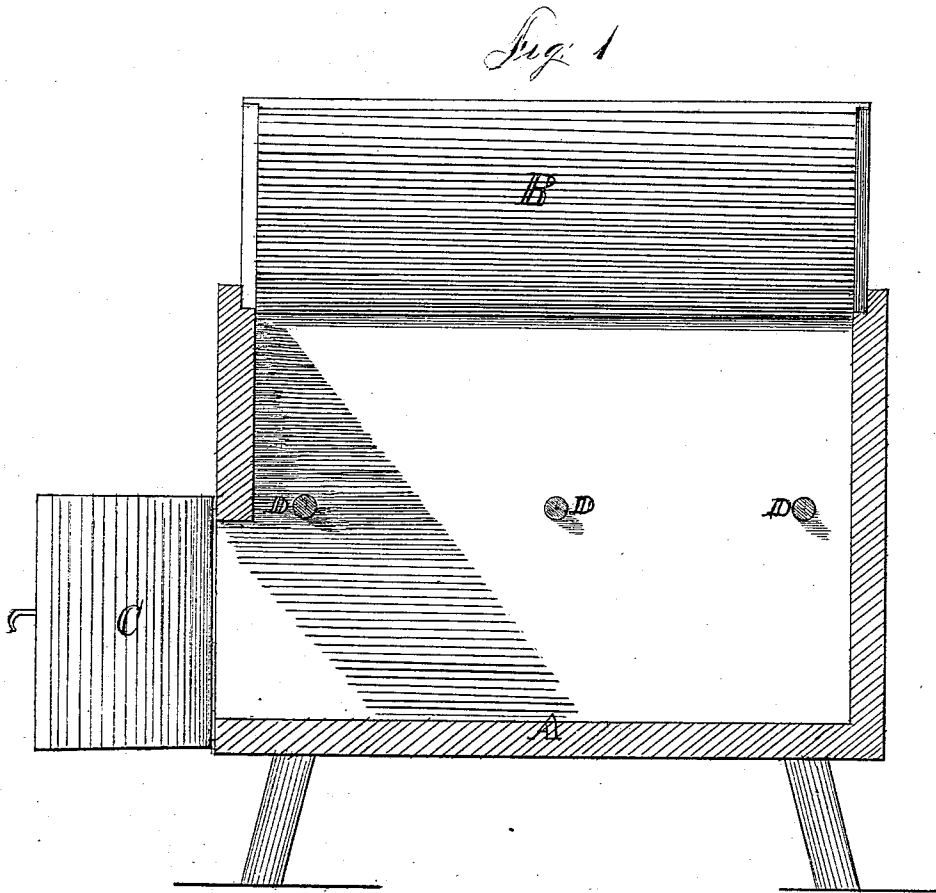


JAMES L. GAGE.

Improvement in Box for Steaming Barrel-Hoops.

No. 126,047.

Patented April 23, 1872.



Witnesses:

Amey O. White
Chas. Englehardt

Inventor:

James L. Gage

UNITED STATES PATENT OFFICE.

JAMES L. GAGE, OF ROCHESTER, NEW YORK, ASSIGNOR TO JAMES TOMLINSON AND HARRIETT M. GAGE.

IMPROVEMENT IN BOXES FOR STEAMING BARREL-HOOPS.

Specification forming part of Letters Patent No. 126,047, dated April 23, 1872; antedated April 11, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, JAMES LORENZO GAGE, of the city of Rochester, in the county of Monroe and State of New York, have invented a new and useful Improvement in Box for Steaming Barrel-Hoops; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a longitudinal section.

The nature of my invention will be understood from the drawing and specifications.

In steaming hoops to be coiled it is necessary and convenient to have a steaming-box made in two compartments and so arranged that some hoops can be steamed while others are being taken out by a boy to be put into the coiler or bender; and when all are taken out of the one compartment, those that are steamed may be brought into a place so as to be directly in front of the coiler.

A is a box of suitable dimensions to hold double the quantity of hoops to be steamed. The box is divided into two compartments by rods D passing transversely through it. B is a cover, which is opened when the hoops are placed in the box. C is a door in one end through which the hoops are taken out.

The operation of this steaming-box is as follows: The rods D are taken out and the cover B raised and the box filled up to the holes for rods D. The rods D are then inserted and the space above them is filled. The cover B and door C are closed. As soon as the lower hoops

are steamed the operator takes them out and puts them one by one into the coiler, which stands close in front of the box at the door end. As soon as all are taken out of the lower division the rods D are withdrawn and the hoops (in the mean time steamed) fall down into the lower division, and no time is lost in waiting for hoops to steam. The rods D are then put in their places, and the upper division is then filled, and by the time those in the lower apartment are taken out the upper are steamed. The same principle can be effected in two other ways. First, the box A may be suspended by running the steam-pipe longitudinally through it and perforating the pipe. This pipe must protrude at both ends and be held on proper rests. This will allow the box to move around so that the upper compartment can be brought in front of the coiler; or it can be made so the compartments will be alongside of each other and the box move laterally, so that the compartments will be in front of the coiler. In this case the steam-pipe would be made flexible.

I claim as my invention—

The box A for steaming hoops, divided into two compartments by a removable support, D, and having doors or openings B and C, one for the induction and the other for the eduction of the material, whereby the action of steaming is continuous, as set forth.

JAS. LORENZO GAGE.

Witnesses:

HENRY E. WHITE,
CHARLES ENGLEHARDT.