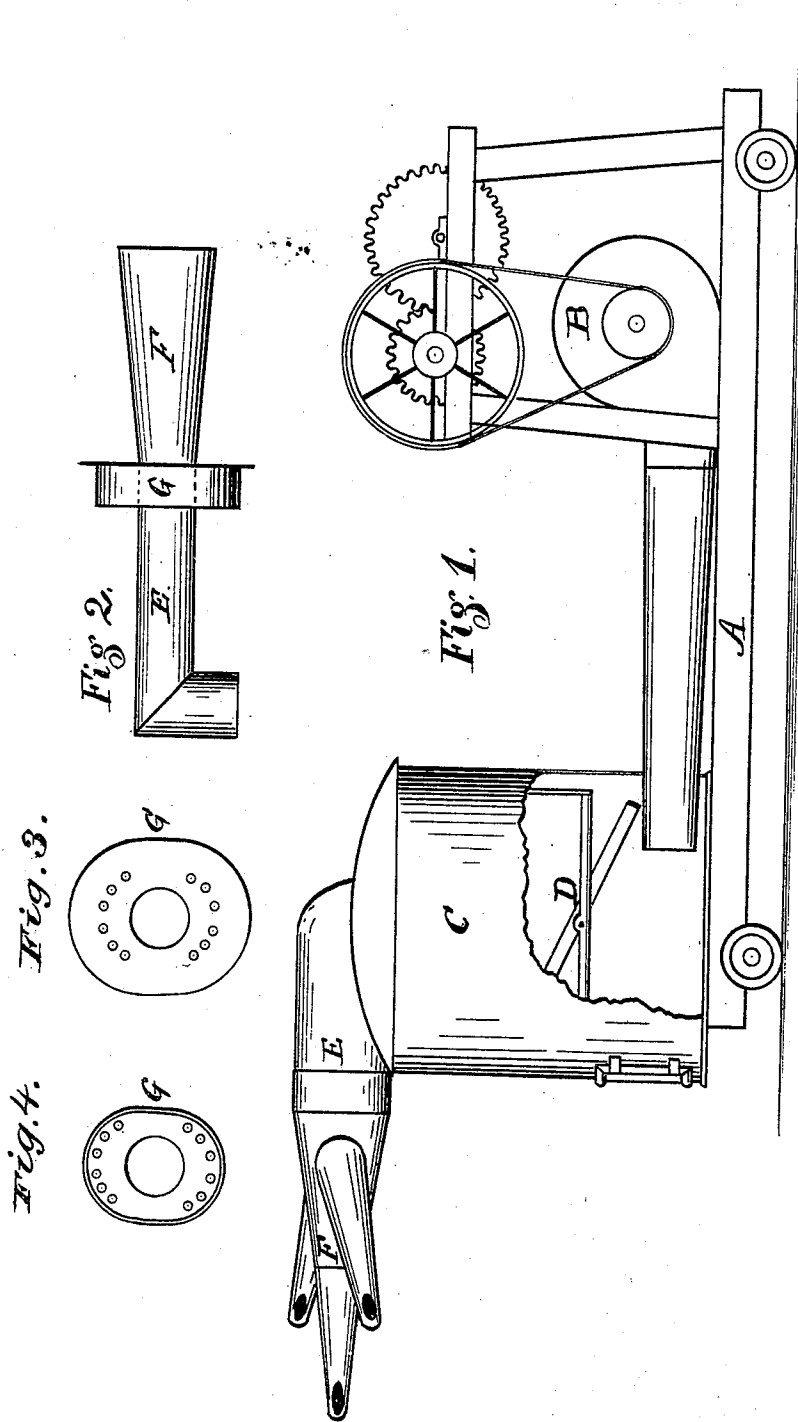


H. LEHMANN.
BARREL PITCHING MACHINE.

No. 171,672.

Patented Jan. 4, 1876.



Witnesses,

B. S. De Forest
H. B. Abbott

Inventor,

Henry Lehmann

Per Geo. W. Tibbitts Atty.

UNITED STATES PATENT OFFICE

HENRY LEHMANN, OF CLEVELAND, OHIO.

IMPROVEMENT IN BARREL-PITCHING MACHINES.

Specification forming part of Letters Patent No. **171,672**, dated January 4, 1876; application filed August 18, 1875.

To all whom it may concern:

Be it known that I, HENRY LEHMANN, of Cleveland, county of Cuyahoga, State of Ohio, have invented a Barrel-Pitching Machine, of which the following is a specification:

This invention relates to an apparatus for pitching beer-barrels, or, in other words, coating the inside of barrels with pitch, in which there is employed a furnace, connected with a fan-blower, whereby the air-blast from the fan enters underneath the fire-grate of the furnace, and, passing up through the fire, injects with it a fine spray of melted pitch through the injection-tube at the top of the furnace into the barrel, said injecting-tube being provided with a movable air-box, perforated and adapted for use as a cooling-chamber, in connection with the barrels being pitched.

To enable others to fully understand my invention, I will proceed to describe the same in detail with the aid of the accompanying drawing, in which—

Figure 1 is a side elevation of the above-mentioned machine. Fig. 2 is a detached view of a single injection-pipe, Fig. 1 having a triple injector attached. Figs. 3 and 4 are face and rear views, respectively, of the air-box.

A is a bed or frame, having casters or rollers for convenience of easily transporting the machine. On one end of this bed is erected a frame, which supports the shafts, gears, and

pulleys for propelling a fan, B, which rests on the bed within said frame. At the other end of the bed is placed a furnace, C, having a dumping-fire-grate, D, beneath which the end of the pipe from the fan-blower enters. To the top of the furnace is attached an outlet-pipe, E, to which may be attached a triple nozzle, F, which would lead into three barrels or kegs at one time, thus facilitating the work of pitching.

In Fig. 2 is represented a single nozzle, having a box or sleeve, G, Figs. 2, 3, and 4, made double, to provide an air-space, and which is perforated for the circulation of air within it.

It is designed to surround the nozzle at its entrance to the barrel, to insure against the barrel becoming burned by excessive heat from the furnace.

I am aware that a fan-blower has been used with a furnace for the purpose. I, therefore, do not claim this as my invention; but

What I desire to secure by Letters Patent is—

The nozzle F of a barrel-pitching apparatus provided with an air-box, G, constructed, arranged, and operating substantially as shown and described.

HENRY LEHMANN.

Witnesses:

ANDREW SQUIRE,
GEO. W. TIBBITTS.