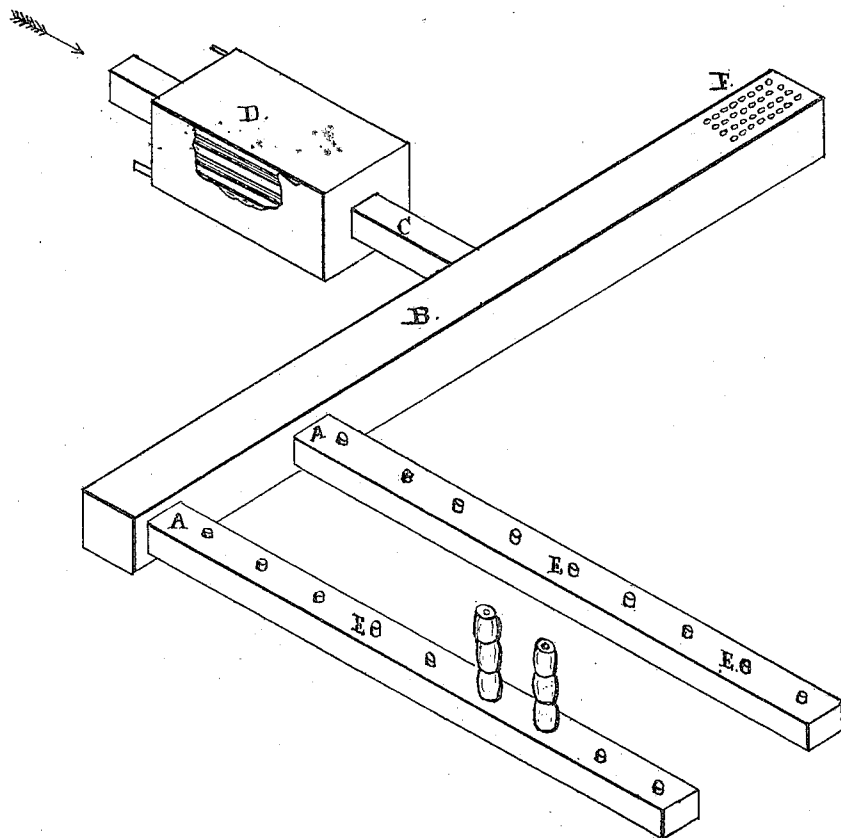


J. URMSTON.

APPARATUS FOR DRYING HUBS.

No. 172,592.

Patented Jan. 25, 1876.



John Urmston

UNITED STATES PATENT OFFICE.

JOHN URMSTON, OF RAHWAY, NEW JERSEY.

IMPROVEMENT IN APPARATUS FOR DRYING HUBS.

Specification forming part of Letters Patent No. **172,592**, dated January 25, 1876; application filed October 6, 1875.

To all whom it may concern:

Be it known that I, JOHN URMSTON, of the city of Rahway, county of Union and State of New Jersey, have invented a new and useful Improvement in Apparatus for Drying or Seasoning Hubs, Hub-Blocks, Spokes, &c., which improvement is fully set forth in the following description, reference being had herein to the drawings accompanying this specification.

The object of my improvement is seasoning or drying the specified hubs, blocks, and spokes expeditiously in a dry and warm air, avoiding the moisture from steam, and also the checking of the interior of the hub from the heat from pipes passed through the bore of the hub. If I use steam it is only to warm the air driven through the hub and hub-blocks. This object I attain by means of a series of square or other shaped tubes, preferring the square form, having as many tubes as the business may require. These tubes have their ends inserted in the air-box B, as shown at A. The upper sides of the tubes have perforations, over which the orifice in a hub or block is placed,

resting upon the pipe. If desirable, short thimbles can be put in the holes centrally over the holes. Other hubs and blocks are piled upon those on the pipes, and the air is forced through by an ordinary blower. A receiver, D, is provided and placed between the blower and the air-box B, with a coil of pipe therein for steam to pass through when deemed needful to warm the air. I also provide a series of perforations, placed close together, as at F, upon which fannies can be piled and the air forced between them, and spokes can be placed endwise and a box inclose them. Airtight apartments are not necessary to the success of the process.

What I claim as my improvement is—

1. The series of pipes A and the air-box B, constructed and combined as and for the purpose specified and shown.
2. The heating-receiver C, in combination with the parts A and B.

JOHN URMSTON.

Witnesses:

WILLIAM E. CLARK,
HENRY S. LITTELL.