

J. CYESTER.
Feather Renovator.

No. 89,740.

Patented May 4, 1869.

Fig: 1.

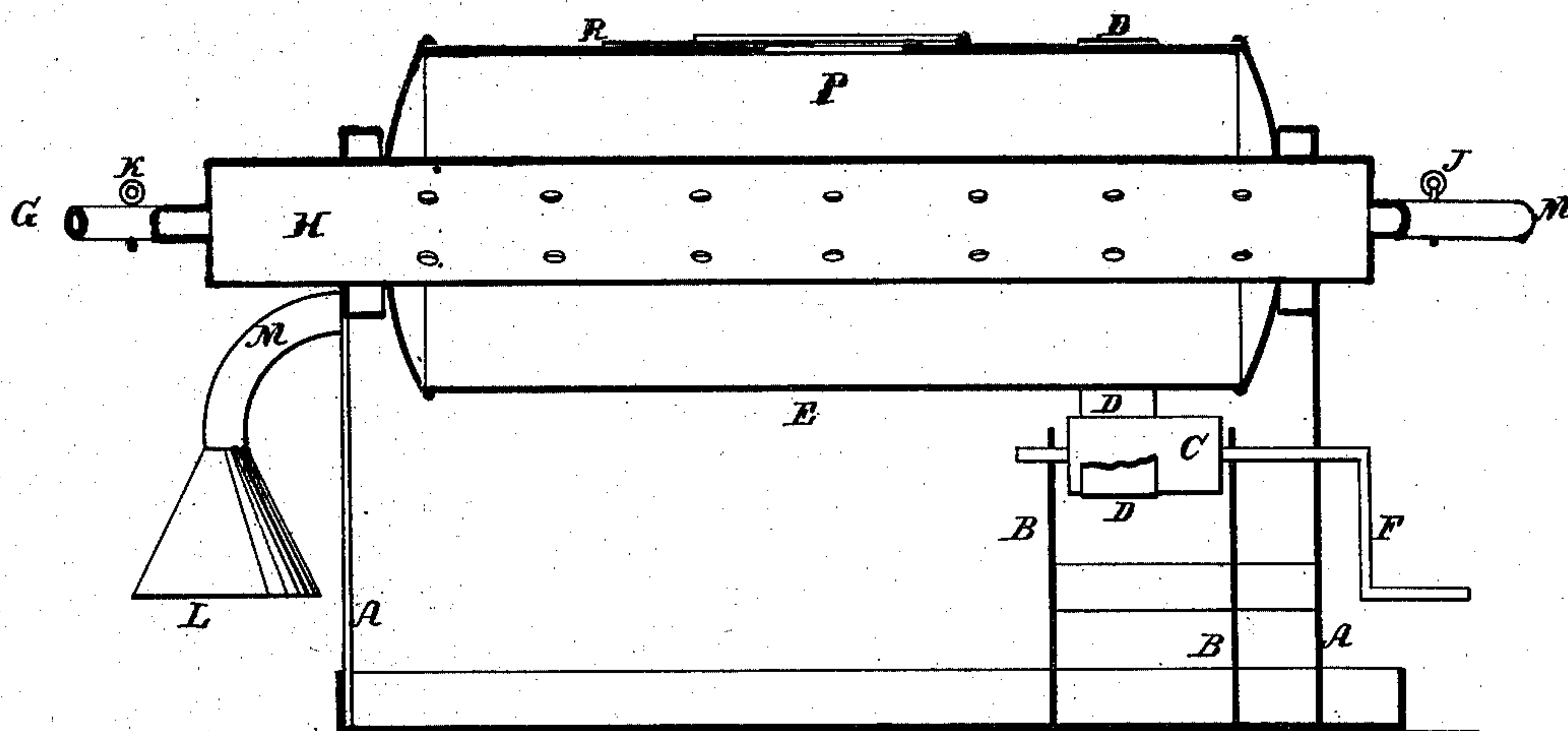
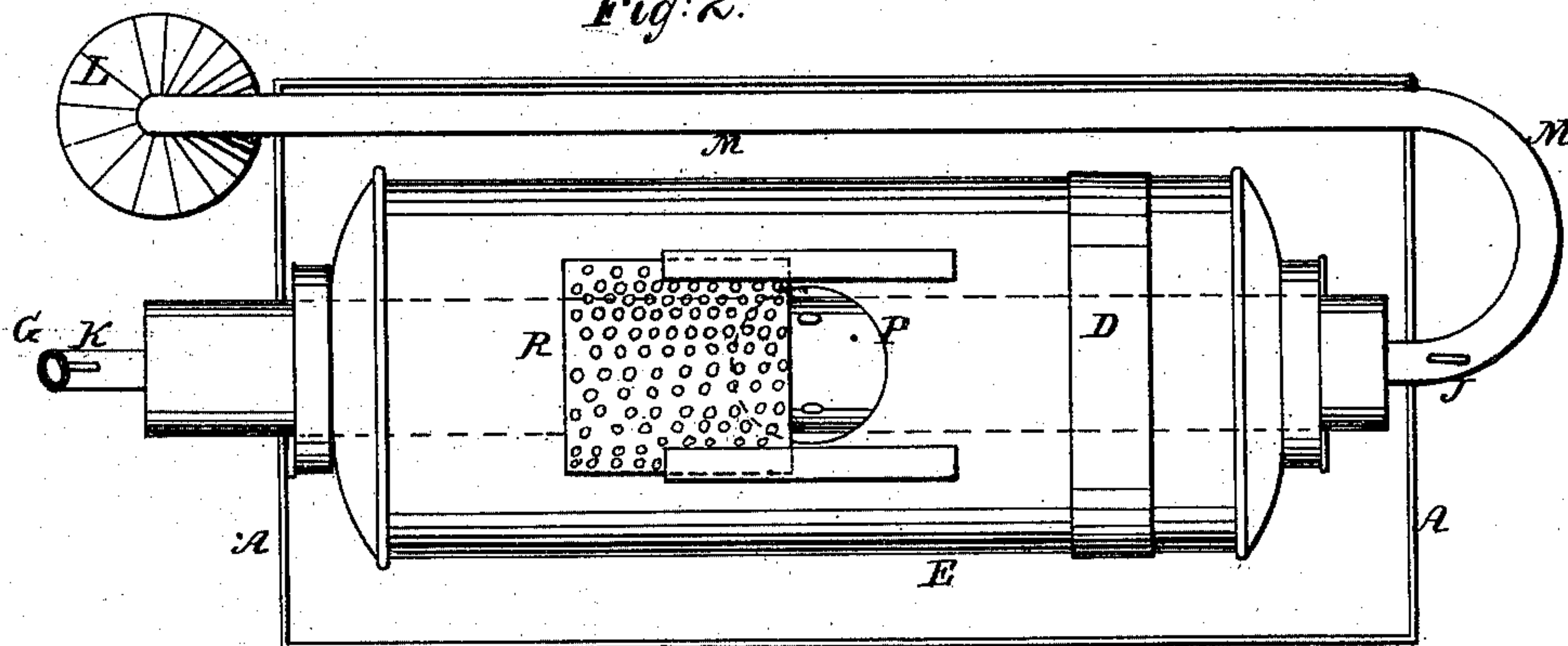


Fig: 2.



Witnesses;
Otto Leisinger
Edw. W. Harley

Inventor;
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By his Atty
S. F. Reigard

United States Patent Office.

JOHN CYESTER, OF OSBORN, OHIO.

Letters Patent No. 89,740, dated May 4, 1869.

IMPROVEMENT IN FEATHER-RENOVATOR.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN CYESTER, of Osborn, county of Greene, and State of Ohio, have invented an Improved Feather-Renovator; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a longitudinal section of the renovator.

Figure 2 is a top view of the same.

The nature of my invention consists in the construction of the double cylindrical renovator, as arranged and combined with its centre and outside air and steam-pipes, and the manner of revolving the outside cylinder by an outside belt, drum, and crank.

A represents the square frame that supports the renovator.

B, the upright frame that supports the drum-wheel C, that revolves the belt D, that surrounds the cylinder E, that is operated by the crank F.

G is the steam-pipe that discharges the steam through the inner perforated cylinder H at one end, for the purpose of washing and cleansing the feathers in the outside cylinder, or renovator E, the inner cylinder H being stationary, whilst the outer cylinder E revolves around it, the stop-cock J being closed during the steaming-process.

After the feathers have been thoroughly steamed

and purified, the stop-cock is then closed, and the stop-cock J opened, and hot, dry air is passed into the funnel L, and through the outside pipe M into the perforated cylinder H, at the opposite end of cylinder E. The hot air then passes through the perforations of cylinder H on to the feathers, completely drying them and purifying them, whilst the outer cylinder E is being revolved by the belt D and by means of the drum C and crank F.

The feathers are inserted and again removed at the aperture P, that is closed by a sliding and perforated cover R.

I do not claim a cylindrical renovator, nor pipes passing through a cylinder for the purpose of discharging steam and hot air in the cylinder, as they have been used before; but

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

The construction of a double cylinder, the inner one, H, being perforated and stationary, admitting steam at one end, and hot air through an outside funnel-mouthed pipe M at the other end, whilst the outside cylinder E is revolved by the drum C and outside belt D, when arranged, combined, and operated as herein described and for the purpose set forth.

JOHN CYESTER.

Witnesses:

MARY STROCK,
O. H. STROCK.