

H.F. Evans.
Coating Paper.
N^o 86,380. Patented Feb. 2, 1869.

Fig. 1.

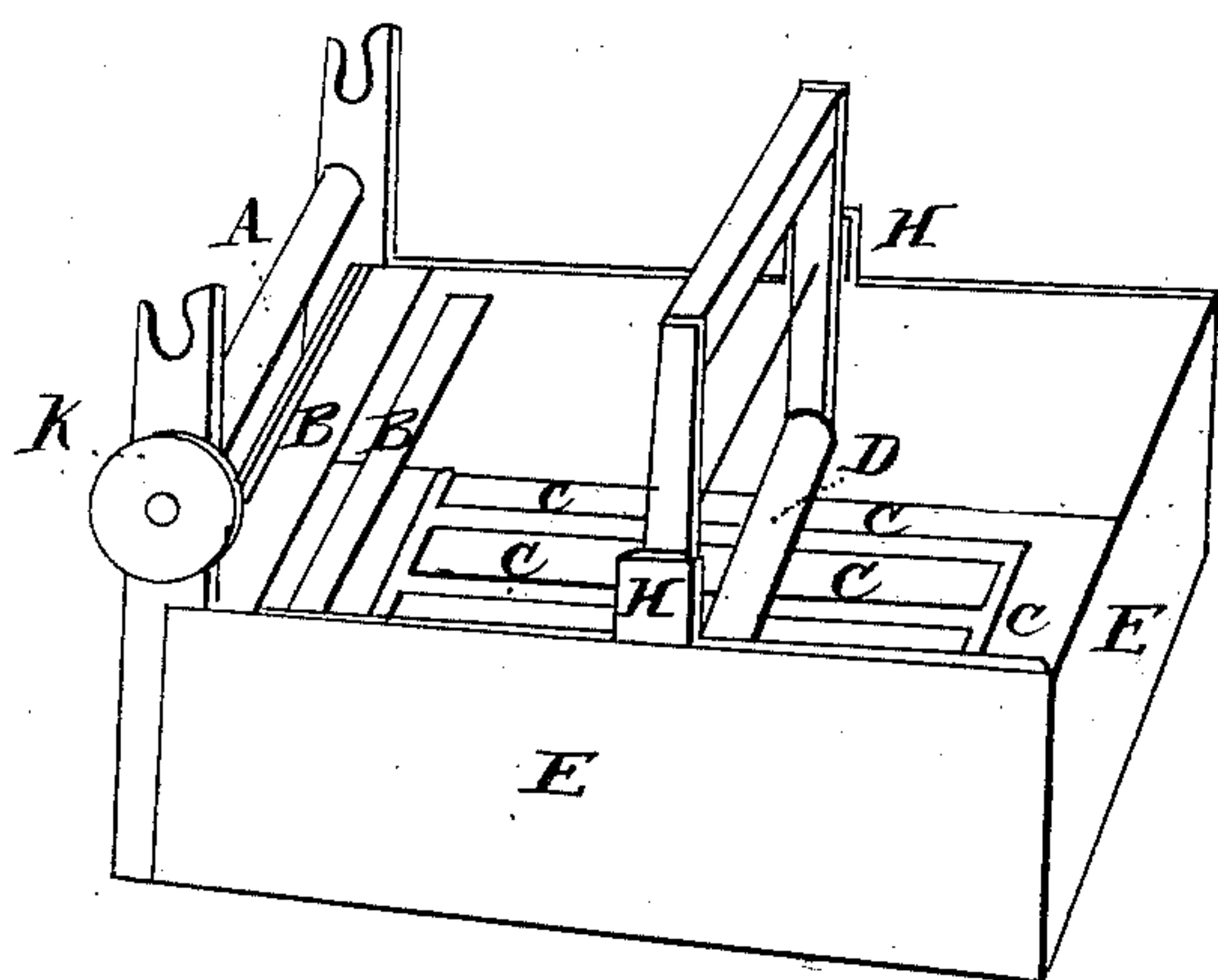
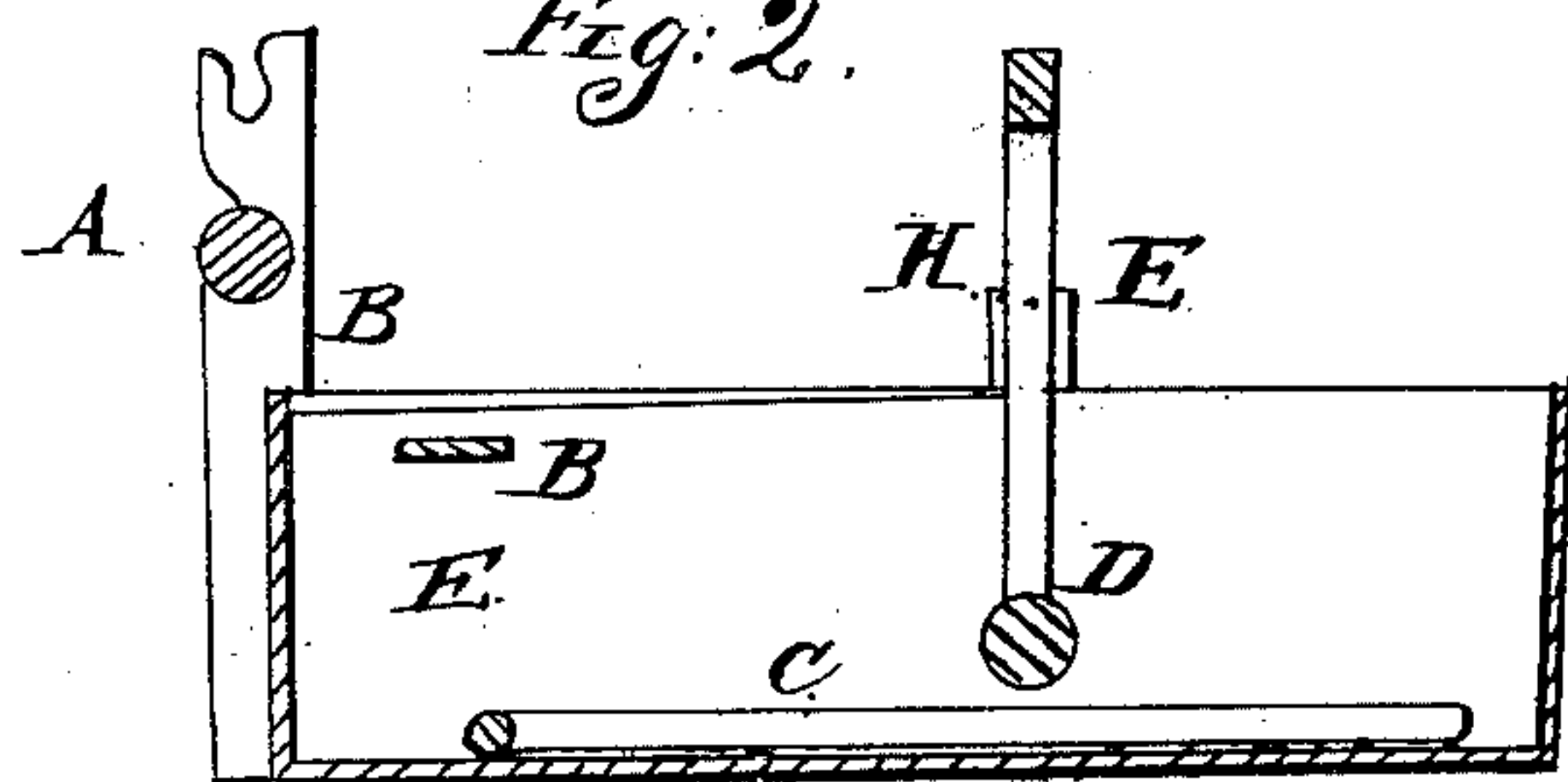


Fig. 2.



Witnesses:

S. T. Merrill
J. M. Cobb

Inventor:

Horace F. Young



HORACE F. EVANS, OF BELOIT, WISCONSIN.

Letters Patent No. 86,380, dated February 2, 1869.

IMPROVEMENT IN THE MANUFACTURE OF TARRED PAPER, PASTEBOARD, &c.

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, HORACE F. EVANS, of Beloit, in the county of Rock, and State of Wisconsin, have invented a new and useful Improvement for Saturating Paper and Straw-Board with Coal-Tar, or other water-proof substance; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, and the letters of reference marked thereon.

This invention has for its object the saturating, or partially saturating, thick paper or straw-board with coal-tar, in a more economical manner than hitherto; and consists in attaching the tarring-apparatus, herein described, to the ordinary paper-machine, so as to conduct the paper or straw-board, to be saturated, from the machine whereon it is made and dried, directly through cold or steam-heated tar.

In the accompanying drawings—

Figure 1 represents a perspective view of the tarring-apparatus.

Figure 2, a sectional view of the same.

Similar letters of reference indicate like parts.

E E represent the box containing the tar.

A, one of the rolls, on which the tarred paper is wound, and so arranged that, by withdrawing a rod, the roll of saturated paper is easily removed.

B B represent scrapers, for removing surplus tar.

C C, steam-pipes, for heating the tar.

D is a roll, in a frame moving on the axles H H, so that it (the roll) can be lifted out of or depressed, when over the paper, into the tar.

K is a pulley, to drive the winding-roll A.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The saturating or partially saturating paper, or straw-board, by passing from the paper-machine whereon it is made, directly from the driers or calenders, through the tar, or other water-proof material.

HORACE F. EVANS.

Witnesses:

S. T. MERRILL,

J. M. COBB.