

J. BACON.
Paper-Machine.

No. 197,004.

Patented Nov. 13, 1877.

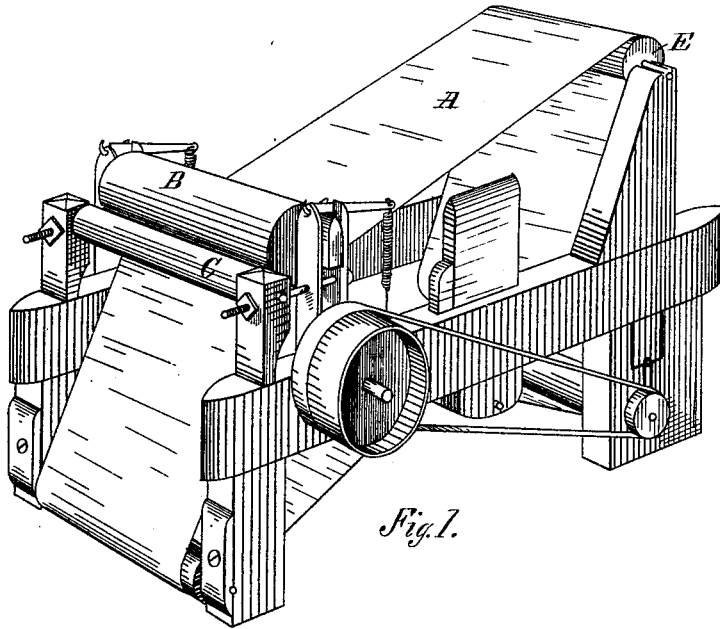


Fig. 1.

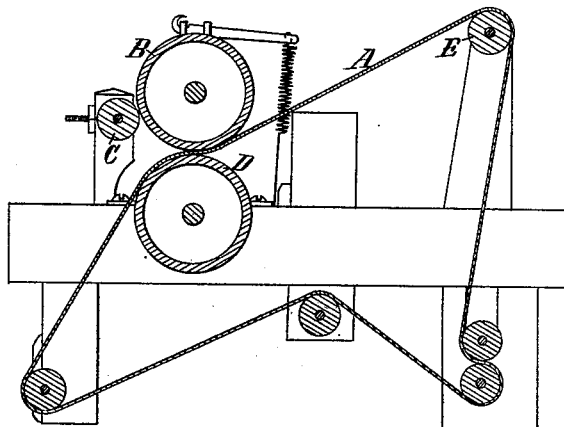


Fig. 2.

Witnesses:

Clarence M. Hendricks

Edwin B. Hale

Inventor:

John Bacon

*per C. R. Bramard
his Atty*

UNITED STATES PATENT OFFICE.

JOHN BACON, OF ST. JOHNSBURY, VERMONT.

IMPROVEMENT IN PAPER-MACHINES.

Specification forming part of Letters Patent No. **197,004**, dated November 13, 1877; application filed September 6, 1877.

To all whom it may concern:

Be it known that I, JOHN BACON, of St. Johnsbury, in the county of Caledonia and State of Vermont, have invented a certain new and useful Improvement in Paper-Machines, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a perspective view, showing the machine; and Fig. 2 is a sectional side elevation.

Like letters of reference indicate corresponding parts in the different figures of the drawing.

My invention relates more particularly to that class of paper-making machines used in the manufacture of leather-board, straw-board, wood-pulp board, and the like; and consists in a novel appliance to be attached to the machine for the purpose of smoothing down the marks in the paper or board, whether caused by the pressure of said paper or board between the cylinders and the felt or otherwise.

The nature and operation of my invention will be readily understood by all conversant with such matters from the following description..

In the drawing, A represents the felt on

which the pulp is carried; B and D, the cylinders between which the pulp is pressed; B, the cylinder on which the paper or board is formed; C, the cylinder or roller used for smoothing down the felt-mark.

When the machine is in operation the pulp is carried along on the felt A up and over the roller E, thence between the cylinders B and D, where it is pressed into sheets or continuous roll-paper or board.

It is well known that in passing between the cylinders it is carried on the felt A, which also of necessity passes between the cylinders B and D. The pressure to which the pulp is subjected causes the impress of the felt to be made upon it in greater or less degree, according to the texture of the fabric and the pressure exerted.

The object of my invention is to smooth down the marks made by the felt, aid the main cylinders in pressing out moisture, and give a more uniform thickness to the board.

Having thus set forth my invention, what I claim is—

The roller or cylinder C, adjusted to the cylinder B, substantially as and for the purpose described.

JOHN BACON.

Witnesses:

GEO. MAY,
E. M. BOLES.