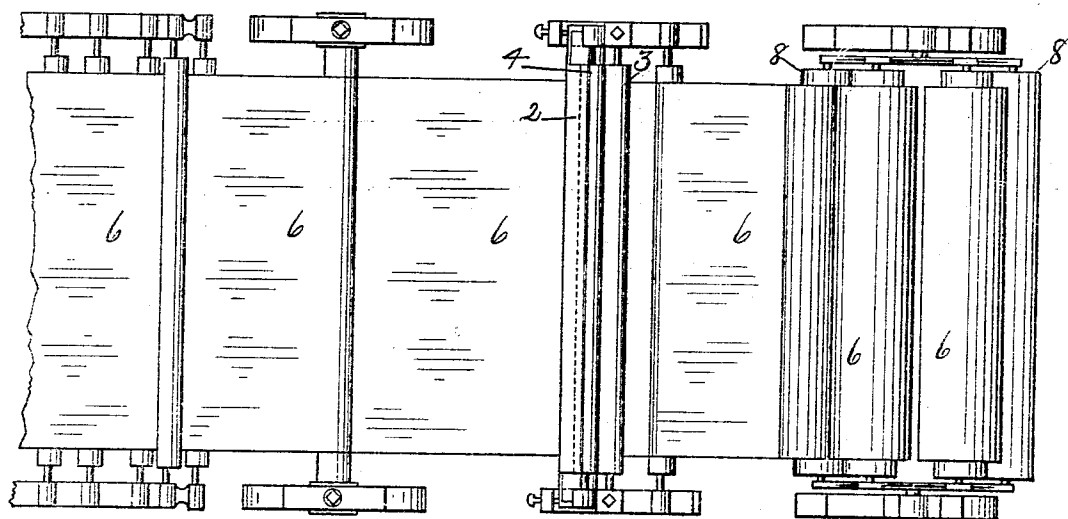
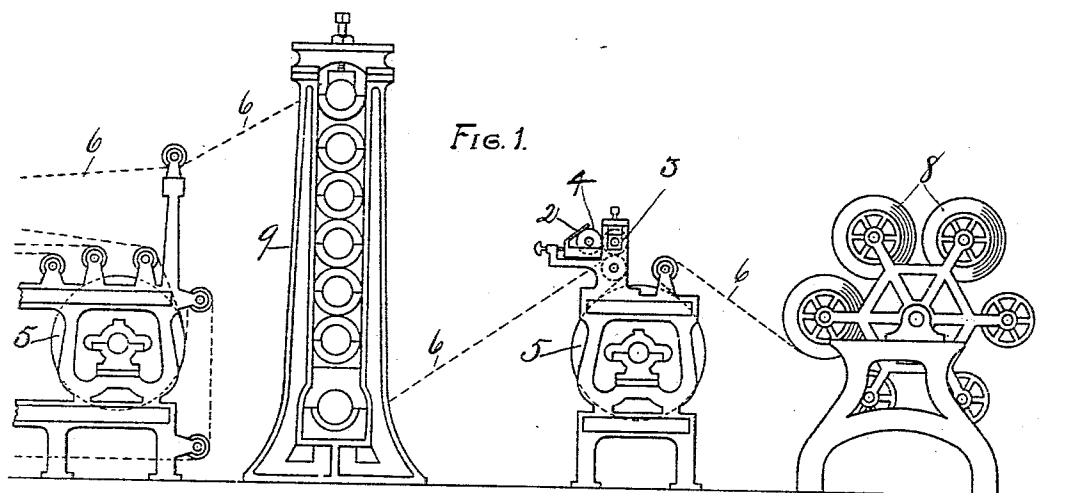


(No Model.)

S. WHEELER.
MECHANISM FOR ORNAMENTING PAPER.

No. 504,767.

Patented Sept. 12, 1893.



WITNESSES,
J. E. Harris.
A. M. Turner.

INVENTOR,
Seth Wheeler
By H. M. Brown
his Atty.

UNITED STATES PATENT OFFICE.

SETH WHEELER, OF ALBANY, NEW YORK.

MECHANISM FOR ORNAMENTING PAPER.

SPECIFICATION forming part of Letters Patent No. 504,767, dated September 12, 1893.

Application filed April 18, 1893. Serial No. 470,805. (No model.)

To all whom it may concern:

Be it known that I, SETH WHEELER, a citizen of the United States of America, residing at Albany, Albany county, New York, have invented certain new and useful Improvements in Mechanisms for Ornamenting Paper; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

The object of my invention is to provide improved mechanism for ornamenting paper and analogous substances.

In the accompanying drawings in which I illustrate the preferred form of mechanism for this purpose, Figure 1 shows an end elevation of one of a series of paper drying cylinders, a set of calender-rollers, my apparatus in connection with a drying cylinder, and a set of winding-reels. Fig. 2 is a plan view of said apparatus.

The web of paper 6, passes through the calender-rolls 9, and from thence passes through my apparatus shown at 2, 3 and 4, in which 4 is a roller having a doctor-board 2, said roller 4 revolving in a body of water, the doctor-board regulating the amount thereof carried over by the roller, said roller 4 keeping roller 3 constantly and evenly dampened. The web of paper 6 in passing under roller 3 is kept in

contact therewith by the roller directly under it, and is evenly dampened or practically so and it is then fed about the drying cylinder 5 with or without an apron, and just enough tension is placed on the damp sheet of paper to draw it in contact with the heating cylinder 5, allowing it freedom to contract and wrinkle, which wrinkles assume the form and have the appearance of fine interwoven threads, and the surface of the paper somewhat resembles crape. After being so dried, the web 6 is rolled upon the paper-reels 8. I do not confine myself to the exact form of mechanism shown in the drawings, as any form of mechanism that will evenly dampen the sheet and then dry it, allowing freedom to the sheet to contract while drying, may be used.

What I claim is—

Mechanism for ornamenting paper, consisting of a heated surface or surfaces and a dampening device arranged to dampen the entire paper uniformly, and having means for conveying said uniformly dampened paper over the heated surfaces until it is dry, and arranged to allow freedom to the drying paper to unevenly contract as the drying progresses, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

SETH WHEELER.

Witnesses:

E. J. WHEELER,
W. M. BROWN.