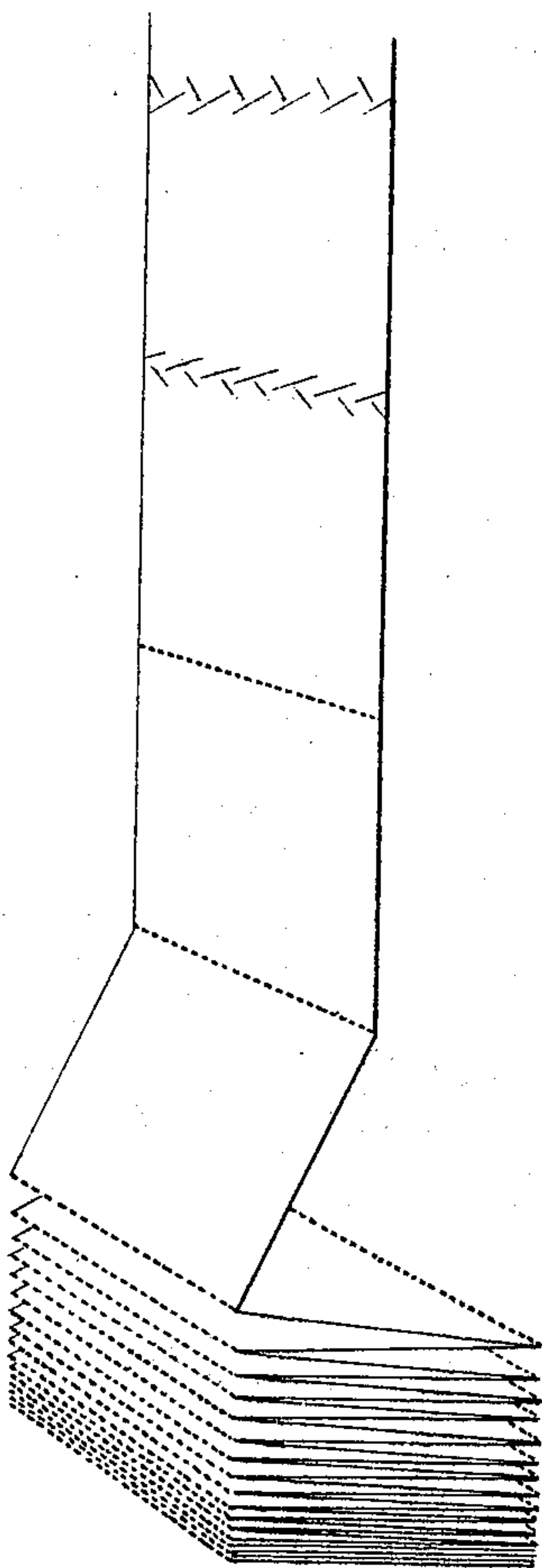


S. WHEELER.

Improvement in Manufacture of Paper.

No. 128,992.

Patented July 16, 1872.



Seth Wheeler

Lemuel W. Ferrell
att'y

Witnesses

Chas. H. Smith

Geo. D. Walker

UNITED STATES PATENT OFFICE.

SETH WHEELER, OF ALBANY, NEW YORK.

IMPROVEMENT IN THE MANUFACTURE OF PAPER.

Specification forming part of Letters Patent No. 128,992, dated July 16, 1872.

To all whom it may concern:

Be it known that I, SETH WHEELER, of Albany, in the State of New York, have invented an Improvement in Bundles of Paper, and the following is declared to be a correct description of the same.

Paper, as it is delivered from the calendering-machine in a continuous web, is usually cut up into sheets and laid into bundles. The sheets, being entirely separated, lie loosely upon each other, and require to be heavily corded to keep the larger-sized bundles in proper shape while being handled for transportation. The paper that is put up in the form of rolls is much more convenient for many purposes, because the same can be pulled off the roll as required in printing upon the same or employing it for other purposes in the arts. My invention consists in an improvement in the bundle of paper, whereby a new article is produced possessing all the advantages of a roll of paper and of a square bundle, and the bundle is much more firm and less liable to be injured in handling than the present bundles. The web of paper, as it is delivered from the paper-making or calendering-machinery, is perforated with rows of small holes or incisions at the points where one sheet is to be separated from the next, and the web is folded alternately to the size of the bundle, preferably at the lines of the perforations; thereby the sheets are partially separated, and can easily be detached the one

from the other by a pulling or tearing operation; but while in the bundle the sheets are held to each other at the alternate edges; thereby one sheet does not slip or move upon the other as easily as it would if the sheets were separate, and as the lines of perforations are at regular distances, the folds will be accurate and the bundle square and compact. Besides these features of the bundle itself, there will be a considerable saving in the labor of bundling, because the sheets can be automatically counted, and the present system of counting and packing by hand into bundles will be dispensed with.

In the drawing I have represented, by a perspective view, the sheet of perforated paper as it descends in a continuous web, and folds by its own weight at the lines of perforations or incisions, and forms a bundle. The wrapping and cording of this bundle are to be of any usual or desired character.

I claim as my invention—

The bundle of paper of a continuous web, with perforations or incisions at the places where the sheets are to be separated, and folded alternately into the form of a bundle, as a new article of manufacture, as set forth.

Signed by me this 5th day of December, A. D. 1871.

SETH WHEELER.

Witnesses:

CHAS. C. VEDDER,
GEO. B. MARTIN.