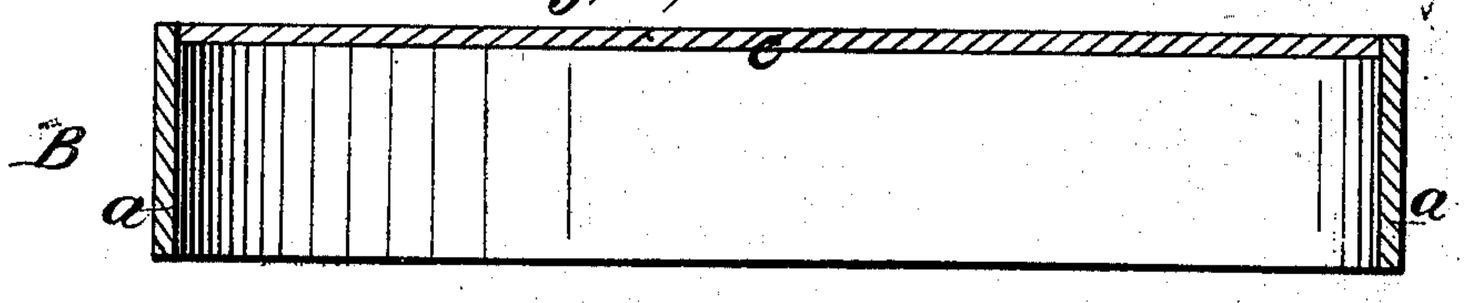
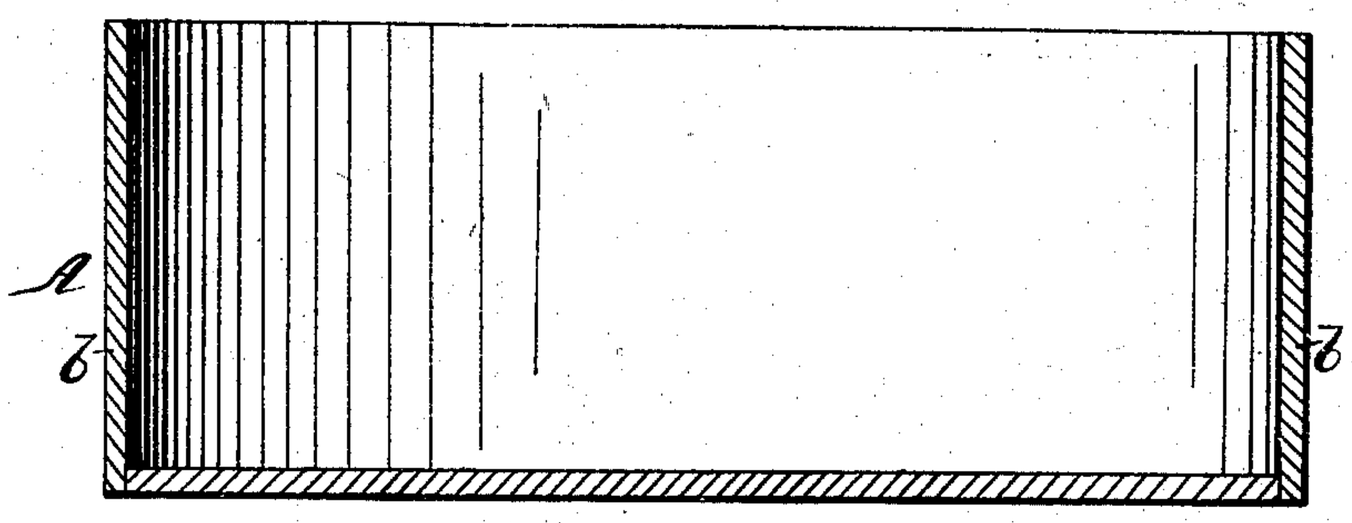
S. Wheeler & E. Jerome.

Molded Articles.

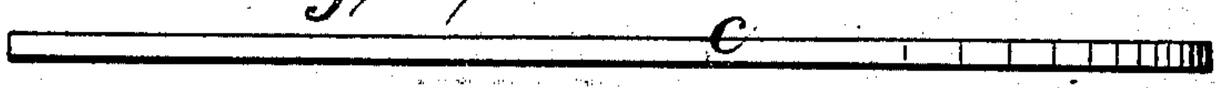
No. 61,969 Patented Feb. 12, 1867.

Fig; 1;

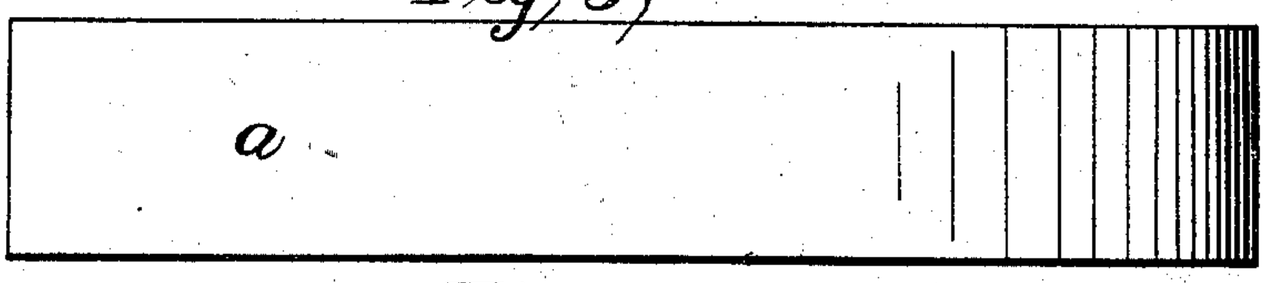




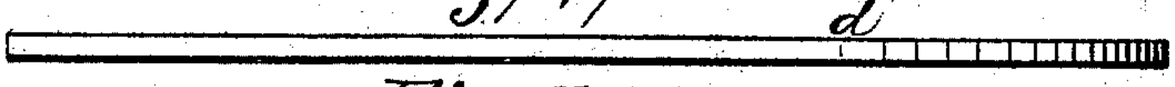
Fig; 2;



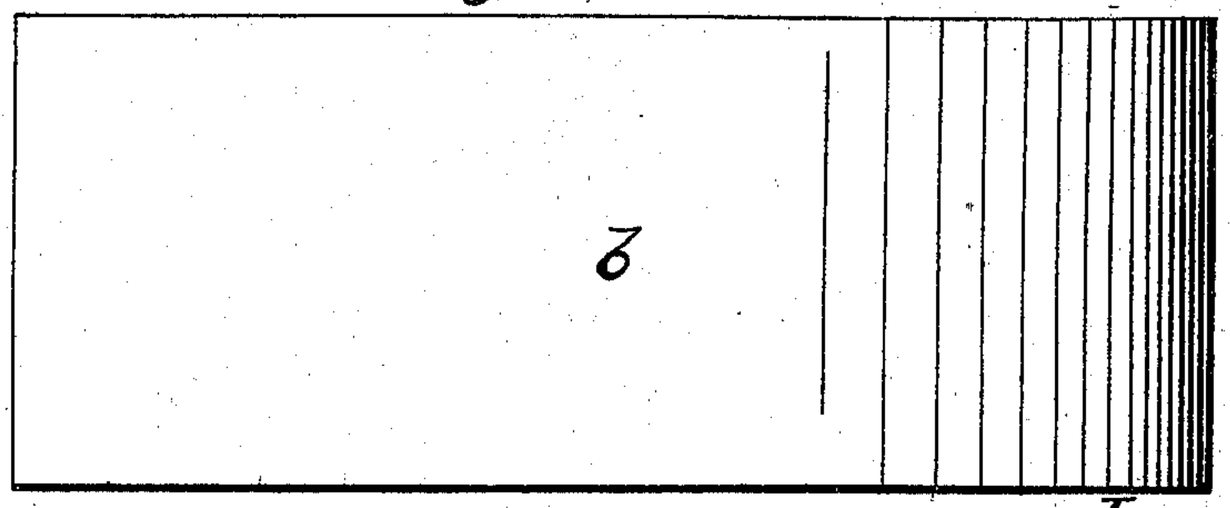
Fig; 3;



Fig; 4;



Fig; 5;



Witnesses;
R. F. Campbell
Edw Schaefer

Inventors;
by Atty - Seth Wheeler
Edgar Jerome
Mason Fenwick & Lawrence

United States Patent Office.

SETH WHEELER AND EDGAR JEROME, OF ALBANY, NEW YORK.

Letters Patent No. 61,969, *dated February* 12, 1867.

IMPROVEMENT IN THE MANUFACTURE OF BOXES FROM PAPER PULP.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, SETH WHEELER and EDGAR JEROME, of Albany, in the county of Albany, and State of New York, have invented a new and useful Mode of Making Paper Boxes; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a central section of a paper box the top and body of which are each made of two parts.

Figures 2, 3, 4, and 5, are sections of the several parts of the box.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to an improvement in the manufacture of paper boxes of various shapes and sizes, from separate pieces of paper.

Paper boxes, as hitherto constructed, are composed of several pieces of paper which are cut from stiff paper or card-board, of the required shape and size, and then cemented together. In thus cutting patterns for boxes a very large amount of paper is wasted, particularly in cutting out the tops and bottoms of circular or angular boxes; besides this, considerable time and labor are expended in preparing the paper to be pasted or cemented into boxes.

The object of our invention is to remove these difficulties, by producing the different forms of paper to be made into boxes, directly from the pulp, so as to have no waste of stock, nor render it necessary to cut out the paper, as will be hereinafter described.

To enable others skilled in the art to understand our invention, we will describe its construction.

The drawings represent the several parts of a cylindrical box, but it will be obvious from the following description that paper boxes of various forms and sizes may be made upon the same principle.

A represents the body of the box, or box proper, and B is the cover for it. It will be seen that each one of these parts is made of two pieces cemented together at their joints. The rim *a* of the cover, and the cylindrical portion *b* of the box, are each produced without a joint or seam, by pressing paper pulp into suitable moulds and thus forming a homogeneous piece, requiring no cement or anything of the kind to give it the circular form. The circular top *c*, for the rim *a*, and the circular bottom piece *d*, for the box proper, are each produced directly from the pulp in moulds suitably adapted for the purpose. The several parts constituting the box are now cemented together and the box finished in the usual manner of finishing boxes which are cut from pasteboard or other paper stock. By our invention we not only save the necessity of cutting out the several parts forming the box, and obtain a great economy in stock, but we also render it unnecessary to prepare the pasteboard in sheets as hitherto practised. The cylinders to form the body and rim of the box are made by means substantially similar to those shown in our application A, filed simultaneously with this, excepting that the dies and followers therein shown are changed in form, so as to produce bottomless cylinders of paper pulp, instead of cylinders with one end closed. Reference is therefore made to said application for a practical mode of producing the cylinders made directly from paper pulp, used in manufacturing our new boxes.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A new article of manufacture, to wit, the paper box, with its body and the rim of its top pressed into form directly from paper pulp, and the end pieces of the body and top cemented in place, substantially as described.
2. A box top, as a new article of manufacture, made as described.
3. The body and bottom of a box, as a new article of manufacture, made as described.

SETH WHEELER,
EDGAR JEROME.

Witnesses:

R. T. CAMPBELL,
EDWARD SCHAFER.