

*J. Root,
Paper Box.*

No. 103,932.

Patented. June 7. 1870

Fig. 1.

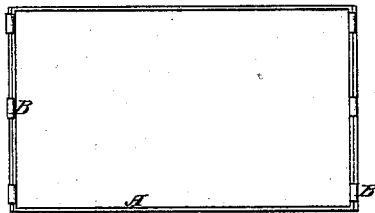


Fig. 2.

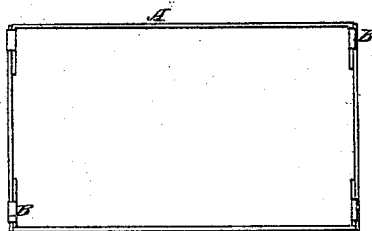
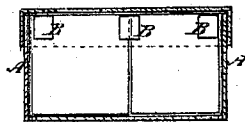


Fig. 3.



Witnesses:
Augustus Dickson
J. S. Mabey

Inventor:
John Root,
PER Munn & Co
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN ROOT, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO HIMSELF AND ANDREW MARTIN, OF SAME PLACE.

IMPROVED PAPER BOX.

Specification forming part of Letters Patent No. **103,932**, dated June 7, 1870.

To all whom it may concern:

Be it known that I, JOHN ROOT, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Paper Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to improvements in securing the parts of paper boxes together where they lap each other; and consists in fastening them by metal clasps consisting of strips of thin sheet metal bent over the edges and pressed together, so as to clamp the parts between them.

Figure 1 is a top view of part of a paper box with the bottom or cover fastened according to my improvements. Fig. 2 is a similar view of a part of a box in which the paper is cut and folded differently and secured in the same way, and Fig. 3 is a transverse section of a box similarly fastened.

Similar letters of reference indicate corresponding parts.

A represents the paper of which the box is made. It may be cut and folded in any ap-

proved way, so that the parts to be fastened lap each other.

B represents the clasps or fastenings. They are made of short, narrow, and thin strips of sheet metal, and bent over the edges of the parts of the paper lapping together, as clearly shown in the drawing, and pressed together by a blow of a hammer, or in a press or otherwise, to cause them to clamp the paper tightly between them. This method of fastening is very simple and cheap, and may be done very rapidly.

Hitherto these boxes have mostly been pasted together, the paste damping the paper, and they have to be carefully put away and dried afterward, which requires some time and makes unnecessary handling; besides the paste does not always stick.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The paper A and sheet-metal clasps B, respectively bent and fitted together in the manner specified, to form the improved box shown and described.

JOHN ROOT.

Witnesses:

CHARLES ROBINSON,
PHILIP POND.