

A. GREGG.

Improvement in Packing Boxes.

No. 115,306.

Patented May 30, 1871.

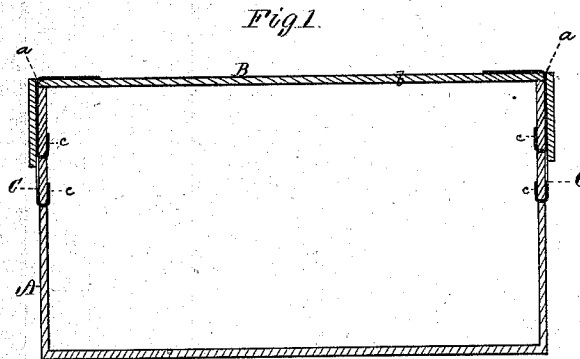
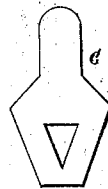


Fig. 3.



Fig. 2.



Witnesses.

S. K. Piper

L. N. Miller

A. Gregg.

by his attorney

R. H. Eddy

UNITED STATES PATENT OFFICE.

ALEXANDER GREGG, OF WATERTOWN, MASSACHUSETTS.

IMPROVEMENT IN PACKING-BOXES.

Specification forming part of Letters Patent No. 115,306, dated May 30, 1871.

To all persons to whom these presents may come:

Be it known that I, ALEXANDER GREGG, of Watertown, of the county of Middlesex and State of Massachusetts, have made a new and useful invention having reference to Packing-Boxes; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a vertical section of a packing-box as made or provided with my invention, which in the main consists of a packing-box having slits in its cover, and two or other suitable number of flexible clamps fixed to and projecting upward from the opposite sides or ends of the body of the box, and to extend through the said slits of the cover, and be bent down upon the cover so as to hold it to the body. Fig. 2 is a front view, and Fig. 3 a vertical section, of one of the plate-metal clamps of the box.

In such drawing, A denotes the body, and B the cover of an ordinary packing-box made of pasteboard and paper, such boxes being in common use among manufacturers and dealers in various goods or wares. Metallic-plate clamps C C, formed as shown in Figs. 2 and 3, are fixed to the two opposite ends of the body, and extend above them and go through slots *a a* made through the cover or its top *b*. On bending down upon the said top of the cover the parts of the clamps that may project above it, they will serve to confine the cover to the body, and thereby save the necessity of using twine or cords to go around the box in order to hold the cover in place.

It is well known among manufacturers and dealers in small wares that it is a great desideratum to avoid the use of twine, cords, or bands in the fastening of the covers to the bodies of packing-boxes, and this is not only on account of the time and material required in accomplishing such, but the difficulty frequently experienced and the time lost in untying the knots. Besides, there is great danger

of the twine being broken or becoming untied during transit of the package-box from one place to another or while being handled. The clasps, arranged and applied as described to hold its cover in place, become a certain means of effecting the desired end, and are easily manipulated, whether to fasten or unfasten the cover relatively to the box-body.

The clasp may be of sheet metal, provided with spurs or with triangular portions *c c*, extended from the rest of it to go through the end or side of the box, and be bent down so as to confine the clamp to the said end. For the purpose I usually make use of tinned plate-iron or thin brass-plate or other proper material.

I make no claim to the improvement in fruit-boxes described and represented in the United States patent No. 68,943, dated September 17, 1867, and granted to E. F. Brown, assignee of the inventor, Israel F. Brown. Such fruit-box has no cover provided with slits for receipt of the clamps, which, as employed in such fruit-box, differ materially in construction and application from the clamps as used in my packing-case, the fruit-box clamps being simply for fastening together the side boards of the box. Besides, my invention has reference more especially to pasteboard packing-boxes as employed for packing articles of manufacture.

In my box it will be seen that the peculiar arrangement of the clamps causes them to be covered, in a measure, by the sides of the cover when such cover is in place in the box.

I therefore claim—

The packing-box as having the metallic fastening-clasps arranged with and applied to the box-body and the cover thereof, in manner as hereinbefore described, and as shown in accompanying drawing.

ALEXANDER GREGG.

Witnesses:

R. H. EDDY,
S. N. PIPER.