

(No Model.)

F. H. RICHARDS.

BUTTON FASTENER PACKING CASE.

No. 343,493.

Patented June 8, 1886.

Fig. 1

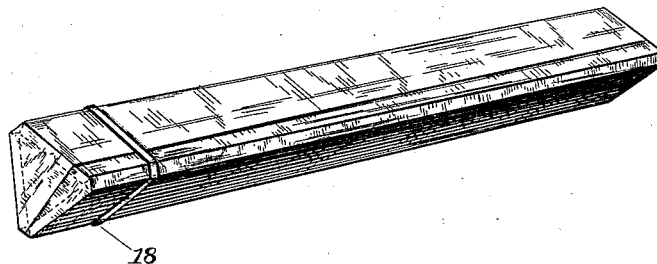


Fig. 2

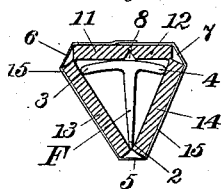


Fig. 3

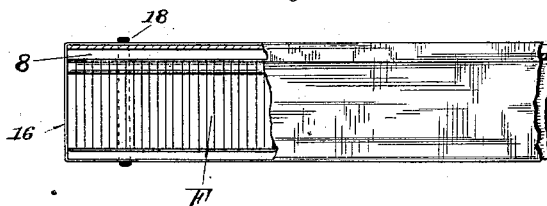
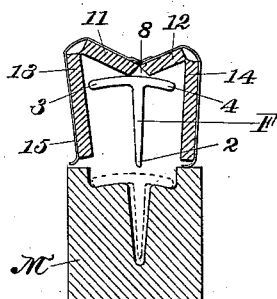


Fig. 4



Witnesses:

Frank H. Pierpont
John Johnston

Inventor:

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UNITED STATES PATENT OFFICE.

FRANCIS H. RICHARDS, OF SPRINGFIELD, MASS., ASSIGNOR TO THE AMERICAN BUTTON FASTENER COMPANY, OF NEW BRITAIN, CONN.

BUTTON-FASTENER PACKING-CASE.

SPECIFICATION forming part of Letters Patent No. 343,493, dated June 8, 1886.

Application filed August 6, 1885. Serial No. 173,776. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS H. RICHARDS, of the city of Springfield, in the county of Hampden, State of Massachusetts, have invented certain new and useful Improvements in Button-Fastener Packing-Cases, of which the following is a specification.

This invention relates to packing cases for the one-prong button fasteners (and others similar thereto) which are shown and described in United States Patent No. 314,684, dated March 31, 1885, the object being to furnish a case adapted to hold them in a row, and from which they may be conveniently discharged into the magazine of a button fastener setting machine.

To this end the invention consists in the improvements hereinafter described and claimed.

In the drawings accompanying and forming a part of this specification, Figure 1 is a perspective view of a packing-case embodying my improvements. Fig. 2 is a cross-sectional view of the case filled with fasteners. Fig. 3 is a side view, partially in section, of the same. Fig. 4 illustrates the manner of breaking the preferred form of case to discharge the fasteners therefrom into magazine M of a button-fastener-setting machine.

Similar characters designate like parts in all the figures.

The fasteners above specified, (designated by F,) being T-shaped, substantially as shown, are adapted to be held by their three points—viz., the point of the prong 2 and the two ends 3 and 4 of the head. Accordingly I make the case of a triangular cross-sectional form, its three angles 5, 6, and 7 corresponding to the aforesaid three points of the fastener. The upper wall of the case (see Figs. 2, 3, and 4) has a central longitudinal under cut or score, 8, dividing it into two parts, 11 12, the side walls, 13 14, being joined to the opposite edges of the upper one, and their lower edges brought together at 5. A thin cover, 15, is then pasted over said lower edges or entirely

around the walls to temporarily hold them together, and when it is filled over the ends of the case, as at 16, Fig. 3, thereby completing it. Ordinarily the walls are made of common straw-board, reduced in thickness by a scoring cut where they join, and the cover of some kind of thin colored paper usually used for covering paper boxes.

To discharge the fasteners into magazine M or elsewhere, the operator takes the case by the corners 6 and 7 and presses down the middle of the upper wall, as in Fig. 4. This forces prongs 2 downward and breaks open angle 5, which allows side walls, 13 14, to separate and the fasteners to fall.

It will be understood that the covering 15 is used merely as a convenient means for temporarily securing together walls 13 14 at angle 5. When so employed, said covering need not extend the whole length of the case, but at the ends only. Neither is it essential that a paper pasted on should be used, as a rubber band, as indicated at 18, Fig. 1, placed over the ends will serve about as well. In this event, however, a separate end stop must be used. This may be a short block inserted and secured into the end of the case, as I have shown in another application.

Having thus described my invention, I claim—

The improved button-fastener packing-case herein described, it comprising an upper wall corresponding in width to the length of a fastener-head, and partially divided by a longitudinal cut on its inner side, two side walls joined to said upper wall by a reduced thickness and brought together at the fastener-point, and means, substantially as described, for detachably holding said side walls together at their unjoined edges, substantially as set forth, and for the purpose specified.

FRANCIS H. RICHARDS.

Witnesses:

FRANK H. PIERPONT,
ROBERT L. PECK.