(No Model.)

D. W. GRAY.

DEVICE FOR PACKING TOBACCO HANDS IN CASES OR CASKS.

No. 529,069. Patented Nov. 13, 1894.

Fig. 1.

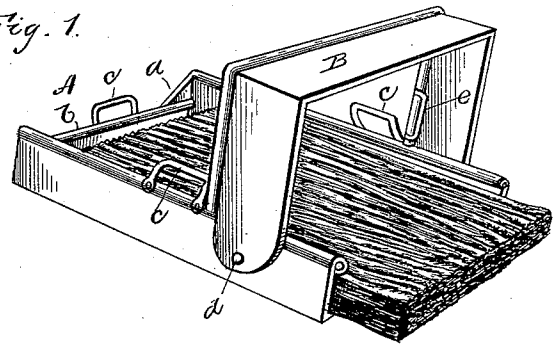
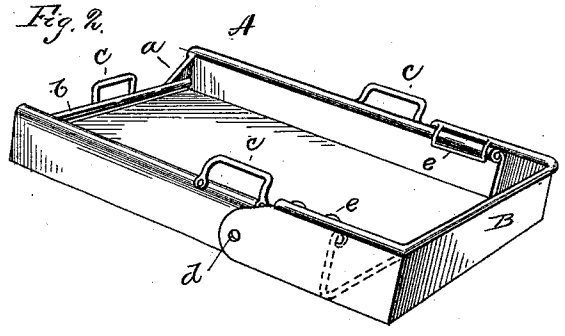


Fig. 2.



Witnesses
R. H. Heck.
G. M. Copenhaver.

Inventor
Douglas W. Gray.
by W. A. Redmond
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DOUGLAS W. GRAY, OF PAINTED POST, NEW YORK.

DEVICE FOR PACKING TOBACCO-HANDS IN CASES OR CASKS.

SPECIFICATION forming part of Letters Patent No. 529,069, dated November 13, 1894.

Application filed March 15, 1894. Serial No. 503,705. (No model.)

To all whom it may concern:

Be it known that I, DOUGLAS W. GRAY, a citizen of the United States, residing at Painted Post, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Devices for Packing Tobacco-Hands in Cases or Casks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to devices for packing hands of tobacco in cases, and has for its object to provide a simple, comparatively inexpensive and durable device whereby the packing of the tobacco can be more expeditiously and satisfactorily accomplished than when done, as at present, by hand, and it consists in a tray having an open end to which is hinged or pivoted an open or bottomless frame forming a continuation of the sides of the tray, and in other details of construction and arrangement of parts as will be hereinafter more specifically described and claimed.

In the accompanying drawings forming a part of this specification—Figure 1 is a perspective view of my invention showing the frame in its raised position and the tobacco arranged in the tray ready to be inserted in the case or box; and Fig. 2 a like view showing the tray empty and the bottomless frame in its normal position.

Similar letters refer to similar parts in both the views.

A represents a rectangular tray preferably formed of a single piece of sheet metal bent, or stamped, or struck-up into shape, the edges of the sides thereof being turned over on a wire or rod to reinforce or strengthen the same, and braces or strengthening pieces *a* extending from the ends of the sides at the rear to the rear end, *b*, of the tray, which end, as clearly shown, does not extend as high as the sides although it may be made any height desired.

The front of the tray is open, as shown, and handles *c* are attached at each side near the center of the tray and to the center of the rear end thereof to facilitate the handling of the same.

To the sides of the tray a frame B, consisting of a strip of metal bent at right angles at each end and reinforced or strengthened by a wire or rod at its edges over which the metal is turned, is pivotally secured, as at *d*, so that said frame may extend a short distance beyond the front end of the tray and may be swung or raised on its pivots as shown in Fig. 1 so as to clear the end of the tray. The object of extending the frame beyond the open end of the tray is to form an end for said tray against which the butt ends of the hands of tobacco may abut as they are laid in the tray so that they may be arranged with their butt ends in an even and uniform line and, as said frame is made without a bottom, it can be readily raised on its pivots so as to permit the tobacco hands to slide in bulk from said tray into the case or cask.

At each side of the frame B at its inner upper edges catches *e* are secured which are adapted to engage the edges of the sides of the tray, as shown in Fig. 2, in order to limit the downward movement of the frame B and to sustain it in position on said tray.

In use the parts are arranged as shown in Fig. 2 and the tobacco-hands placed therein in layers to a depth of three inches and when the tray is thus filled the front end of the frame B is pressed against the corner post of the case, thus raising said frame into the position shown in Fig. 1, and bringing the front end of the tray against the corner post when, by slightly raising the rear end of the tray and, by a quick movement, withdrawing the tray, the tobacco will be deposited in the case. When the tobacco is to be packed in casks instead of cases the front end of the tray will be made on a circle to fit the casks used.

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

1. A device for packing tobacco-hands in cases or casks, consisting of a tray having an open end, and a frame comprising side-pieces and a connecting cross piece said side-pieces being pivotally secured to the sides of said tray and extending beyond the open end thereof, whereby a space is provided between the open end of the tray and the cross-piece, substantially as and for the purpose described.

2. A device for packing tobacco-hands in cases or casks, consisting of a tray having an open end, a bottomless frame comprising side

pieces and a connecting cross-piece, said side pieces being pivotally secured to the sides of the tray and extending beyond the open end thereof to provide a space intermediate said cross-piece and the open end of the tray, and means for limiting the downward movement of said frame, substantially as and for the purpose described.

3. A device for packing tobacco-hands in cases or casks, consisting of a tray having an open end, and an end cross-piece arranged at a suitable distance from the open end of said tray and pivotally connected with the sides thereof, whereby a space is provided between the open end of the tray and the cross-piece, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

DOUGLAS W. GRAY.

Witnesses:
C. K. LONGENECKER,
W. A. ALLEN.