



# UNITED STATES PATENT OFFICE.

HENRY N. TENNANT, OF FREDONIA, NEW YORK.

## IMPROVEMENT IN HONEY-BOXES.

Specification forming part of Letters Patent No. 186,900, dated January 30, 1877; application filed August 5, 1876.

*To all whom it may concern:*

Be it known that I, HENRY N. TENNANT, of Fredonia, in the county of Chautauqua and State of New York, have invented a new and valuable Improvement in Honey-Boxes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my honey-box, and Figs. 2 and 3 are detail views of the same.

This invention relates to honey boxes, and it consists in corner standards constructed with double longitudinal grooves, for receiving and securing the glass plates which form the sides and ends of said boxes.

In the annexed drawings, A designates a top piece, and B a bottom piece, both preferably constructed of wood, and perforated or slotted at each corner at *bb*. Bottom piece B is also provided with two longitudinal slots, *B' B'*, which are large enough to allow the ingress and egress of the bees as they build the combs and deposit the honey. *CC* are glass plates, of rectangular shape, which constitute the sides and ends of the box. *DD* are metal standards or corner-pieces, which clamp said side plates, end plates, bottom piece, and top piece together. Each of said standards consists of a long plate of sheet metal, having one side bent into a longitudinal flange, *d*, at right angles to the main part of said plate, and also having its other side (bent on the same face of said plate) bent first back parallel with the main part of said plate at *d*<sup>1</sup>, then for-

ward in a flange, *d*<sup>2</sup>, parallel to flange *d*, and then again in a flange, *d*<sup>3</sup>, parallel to *d*<sup>1</sup> and the main part of said plate, thus producing two channels or longitudinal recesses, *d*<sup>4</sup> *d*<sup>5</sup>, which are at right angles to one another. Into said channels set glass plates *CC*. Said standards are also provided with extensions *D'*, which pass up and down through perforations or slots *bb* in top piece A and bottom piece B. Said extensions are then bent down into recesses in the outside of said top and bottom pieces, so as to lock them together, and the box is complete.

Instead of flange *d*, I may use on one or more of the standards small pointed ears *d*<sup>6</sup>, which answer the same purpose.

The above described construction allows the box to be easily taken to pieces for the extraction of the honey, but keeps it firmly secured against casual displacement of the parts.

What I claim as new, and desire to secure by Letters Patent, is—

1. As an article of manufacture, corner piece or standard *D*, having two longitudinal channels, *d*<sup>4</sup> *d*<sup>5</sup>, which are at right angles to one another, and extensions *D'*, substantially as set forth.

2. The standards *D*, having end extensions *D'* and longitudinal channels *d*<sup>4</sup> *d*<sup>5</sup>, in combination with top piece A, bottom piece B, and glass plates *C*, constructed substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY N. TENNANT.

Witnesses:

LEROY P. COATES,  
CHARLES W. TENNANT.