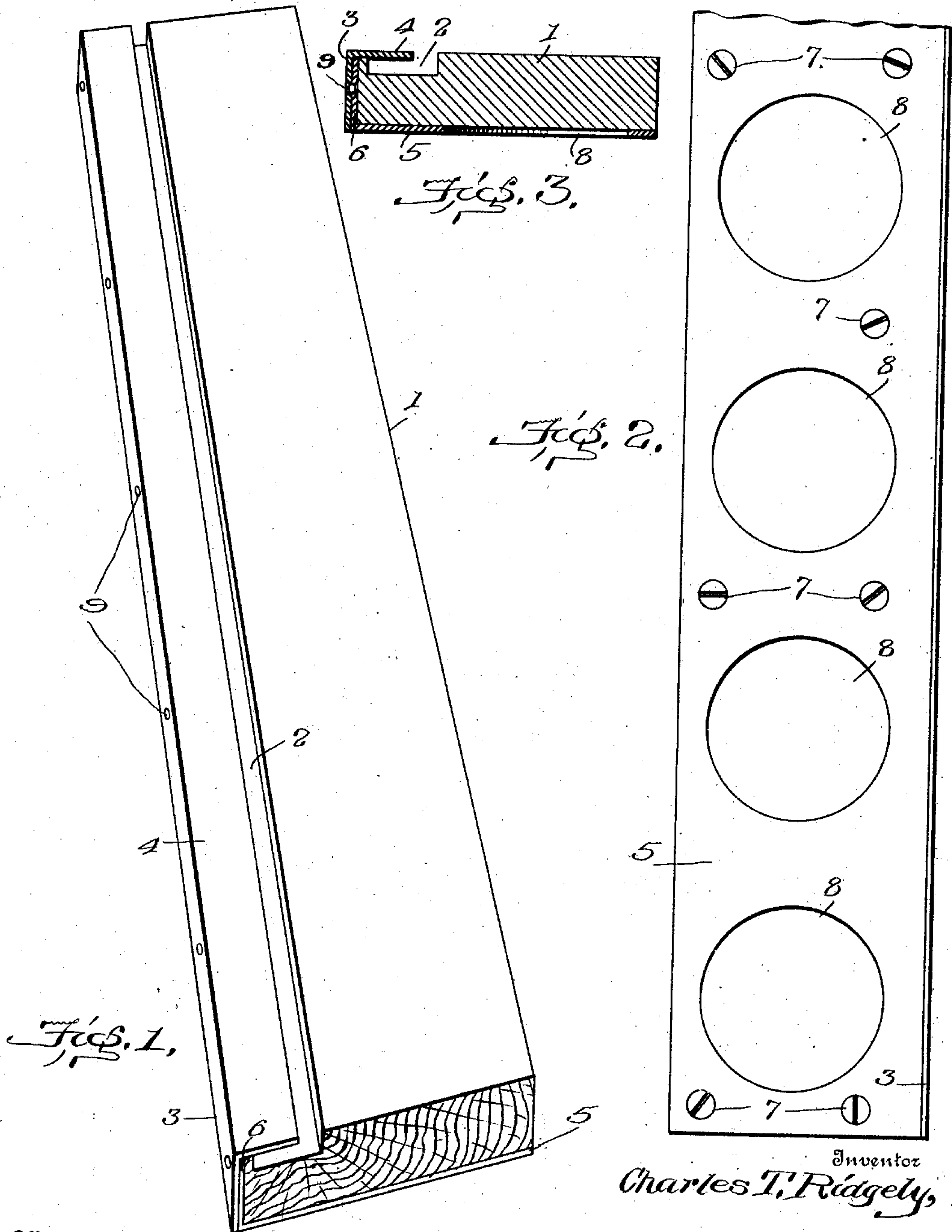


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PATENTED APR. 7, 1908.

C. T. RIDGELY.  
STRAIGHT EDGE.

APPLICATION FILED MAR. 20, 1907.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## STRAIGHT-EDGE.

No. 883,744.

Specification of Letters Patent.

Patented April 7, 1908.

Application filed March 20, 1907. Serial No. 363,345.

*To all whom it may concern:*

Be it known that I, CHARLES T. RIDGELY, a citizen of the United States, residing at Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Straight - Edges, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The present invention relates to straight-edges of the type employed by paperhangers.

15 The object of the invention is to provide a straight-edge of this character with means for engaging the paper and preventing the straight-edge from slipping or creeping thereon; to provide means for preventing the warping of the body portion of the straight-edge; and further, to provide means 20 for securing the guide or track for the trimmer to the straight-edge without the use of screws, thus leaving the face of the same perfectly smooth.

25 With these objects in view my invention consists in certain novel features of construction to be hereinafter described, and then more fully pointed out in the claims.

30 In the accompanying drawings, Figure 1 is a perspective view of a section of a straight-edge embodying my invention; Fig. 2 is a bottom plan view of the same; and Fig. 3 is a transverse sectional view of Fig. 1.

35 In these drawings, I have illustrated my invention as embodied in the ordinary form of paperhanger's straight-edge comprising a body portion 1, provided near one edge thereof with a groove 2 and having the guide or track for the trimmer secured to one edge thereof and consisting of a guide plate 3 se- 40 cured to the front of the straight-edge and having its upper edge bent at right angles to the body portion, as shown at 4, and extending over a portion of the groove 2. In carrying out my invention I construct the body 45 portion 1 of light wood, and, in order to prevent the same from twisting or warping, I provide a bottom plate 5 of suitable metal, such as thin steel, of a length and width substantially equal to the length and width of 50 the body portion of the straight-edge and provided on that edge adjacent to the groove 2 with an upwardly extending portion or flange 6 of a height equal substantially to the thickness of the body portion 55 1. This plate may be secured to the body

portion in any suitable manner, as by the screws 7.

60 In order to secure the guide or track 3 to the front of the straight-edge without the use of screws or other fastening devices extending through the track into the edge of the body portion 1 and thereby forming defects or rough places in the surface of the track, I secure the vertical portion 3 of the track to the flange or upwardly extending 65 portion 6 of the plate 5, preferably by means of rivets 9 extending through the two members, and securing them firmly together, the rivets on the outer face of the member 3 being dressed down so that they completely 70 fill the apertures and are flush with the surface of the member 3, thus providing a perfectly smooth track surface or guide. Further, inasmuch as the member 3 of the track extends down to the bottom of the plate 5, 75 the corner of the straight-edge which is formed by the lower edge of the member 3 is perfectly square.

80 The strip 5 is preferably provided with a series of apertures 8, of any suitable size, shape and number, but preferably circular in shape and of a diameter equal to about two-thirds of the width of the plate 5, and separated one from the other by a space equal to approximately half their diameter 85 and extending from one end of the strip to the other. These apertures extend entirely through the plate 5 and are closed at their inner ends by the bottom of the body portion 1, thus forming recesses, which, when the 90 straight-edge is placed upon the paper, form suction cups and grip the paper, thus preventing the straight-edge from slipping or creeping over the surface of the same.

95 From the foregoing description it will be seen that I have provided a straight-edge, which, by combining a light strip of wood with a thin plate of metal, is very light of construction and rigid throughout its length, the rigidity of the wood serving to stiffen 100 the metal plate and the metal plate serving to prevent twisting or warping of the wooden body. Further, that I have provided means for securing the guide or track to the front of the straight-edge without the use of screws 105 or other fastening devices extending through the track or guide into the body portion of the straight-edge and have thus provided a track which is perfectly smooth along its vertical surface. And further, that I have 110



provided the bottom surface of the straight-edge with suction cups adapted to grip the paper and prevent the straight-edge from slipping or creeping over the same.

5 I wish it to be understood that I do not desire to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

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

1. A straight-edge comprising a wooden body portion, and a metallic strengthening plate secured to the bottom thereof and extending substantially the full length and width of said body portion, said strengthening plate being provided with recesses lying wholly within the edges thereof and adapted to prevent the slipping of said straight-edge.

2. A straight-edge comprising a thin wooden body portion, and a metallic strengthening plate secured to the bottom thereof and extending substantially the full length and width of said body portion, said strengthening plate having apertures formed therein at intervals to provide gripping edges to prevent the slipping of said straight-edge.

3. A straight-edge comprising a thin wooden body portion and a metallic strengthening plate secured to the bottom thereof

and extending substantially the full length and width of said body portion and having a flange extending along the edge of said body portion.

4. A straight-edge comprising a body portion, a plate secured to the bottom thereof and having a flange extending along the front of said body portion, and a guide or track secured to said flange.

5. A straight-edge having a series of suction cups carried by the lower surface thereof.

6. A straight-edge having a series of recesses formed in the lower surface thereof and adapted to form suction cups.

7. A straight-edge comprising a body portion, a plate secured to the lower surface thereof and having a series of apertures therein closed on one side by said body portion.

8. A straight-edge comprising a body portion, a plate secured to the bottom thereof and having a series of closed apertures therein and provided with a flange extending along the front of said body portion, and a guide secured to said flange.

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

CHARLES T. RIDGELY.

Witnesses:

A. C. LINK,

F. W. SCHAEFER.