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J. K. DIAMOND

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BELT LACING HOLDER

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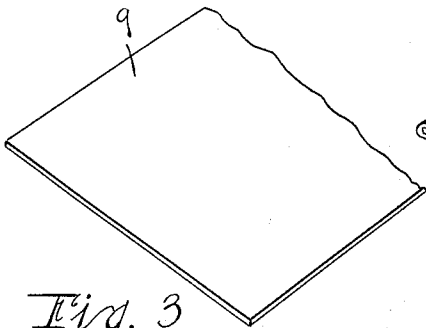


Fig. 3

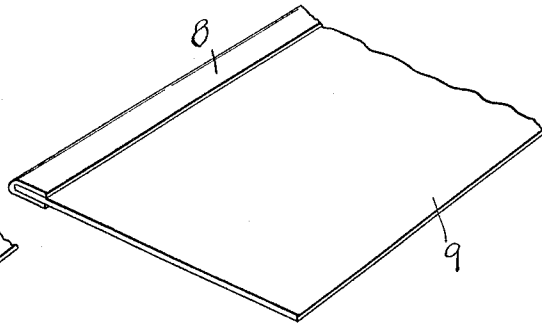


Fig. 4

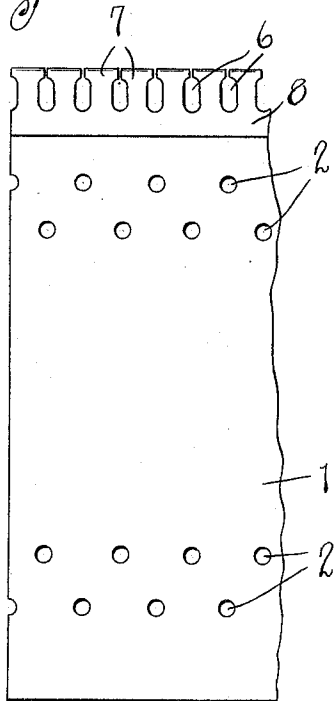


Fig. 5

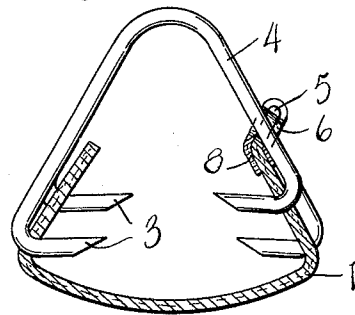


Fig. 2

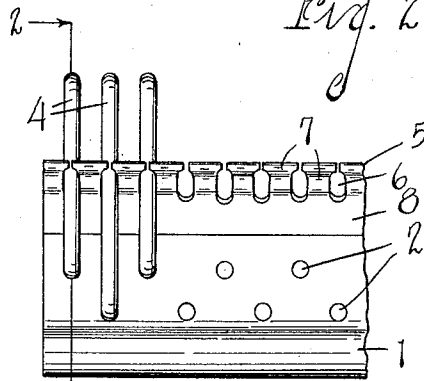


Fig. 1

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# UNITED STATES PATENT OFFICE

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## BELT LACING HOLDER

Application filed January 29, 1932. Serial No. 589,614.

The main object of this invention is to provide an improved belt lacing holder.

Another object is to provide a belt lacing holder that is simple yet strong and rugged in construction.

Objects relating to details and economies of my invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a fragmentary side elevation of a belt lacing holder embodying my invention.

Fig. 2 is a transverse section on line 2—2 of Fig. 1.

Fig. 3 is a fragmentary perspective view of the fiber blank.

Fig. 4 is a fragmentary perspective view of the fiber blank provided with a reinforcing strip on one edge.

Fig. 5 is a fragmentary plan view of the blank slotted and ready for forming.

Referring to the drawing, numeral 1 indicates a belt lacing holder of channel cross section preferably of flexible cardboard or fiber stock. The flanges of the holder are provided with a series of holes 2 preferably arranged in staggered relation and adapted to receive the prongs 3 of the belt lacing hooks or members 4. The holes are uniformly spaced longitudinally of the holder so that the hooks are uniformly spaced as shown in Fig. 1.

To hold the hooks in upright position one flange of the holder is provided with an out-turned edge 5 having a plurality of slots 6 therein adapted to receive the arm of the lacing hooks, these slots being aligned with the holes 2. The prongs are engaged with the holes and the arms of lacing hooks in the slots so that they are held in upright uniformly spaced relation to facilitate introduction into a belt lacing machine adapted to receive a plurality of the hooks or lacing members.

The slots 6 are positioned close to the edge of the holder so that they readily break through to the edge or slits extend from the slots to the edge providing T-shaped pro-

jections or tongues between which the arms of the lacing members are engaged.

The out-turned edge 5 is provided with a binding 8 of strong flexible paper or other suitable material, reinforcing the edge and particularly the T-shaped tongues 7 formed by the slots or between the slots. This binding strip is folded over and glued to the edge of the holder and effectively reinforces the same throughout, overcoming the tendency of the tongues to break or the material from which the holder is formed to laminate as a result of the bending and the forming of the slots so that it becomes ineffective for the purpose intended, rendering the tongues strong and capable of withstanding the bending or flexing to which they are subjected in engaging with the lacing members, and the lacing members are effectively supported to facilitate the arrangement in the lace applying machines.

As illustrated in Figs. 3, 4 and 5 I first provide a blank 9 of suitable dimensions. The binding strip is then secured to one longitudinal edge thereof and the holes 2 and slots 6 punched in the form thus provided, which is then bent into suitable channel shape. The hooks or lacing members are readily engaged and securely retained although the holder may be readily disengaged when desired after the hooks have been arranged in a lacing machine.

I have not attempted to illustrate and describe certain embodiments and adaptations which might be desirable for particular forms of lacing hooks or machines for applying the same as it is believed that this disclosure will enable those skilled in the art to embody or adapt my improvements as may be desired.

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

1. A belt lacing holder of flexible fibrous material of channel cross section and having a series of prong-receiving holes in the flanges thereof, one edge of said holder being out-turned and having a reinforcing flexible fibrous binding strip folded over said out-turned edge and glued to the flange, the said out-turned edge and binding strip having

slots therein alined with holes in the flange and adapted to receive the arms of fasteners whose prongs are engaged in the holes.

2. A belt lacing holder of channel cross  
5 section having holes in its flanges adapted to receive the prongs of belt lacing members, one flange having a separate reinforcing  
binding strip of pliable material folded  
thereover and cemented thereto, such flange  
10 having slots therein adapted to receive the arms of belt lacing members mounted on the holder.

3. A belt lacing holder comprising a chan-  
nel-shaped member having a separate bind-  
15 ing of flexible fibrous material on one longi-  
tudinal edge, such reinforced edge having  
slots therein adapted to receive the belt lacing  
members mounted on the holder.

4. In a belt lacing holder, the combination  
20 with a channel-shaped member having an  
out-turned edge provided with slots, of a  
separate reinforcing strip of pliable material  
folded over and cemented to said edge and  
having slots registering with the slots therein.

25 In witness whereof I have hereunto set my  
hand.

JAMES K. DIAMOND.

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