J. K. DIAMOND.

CARDING PAPER FOR BELT FASTENERS.

APPLICATION FILED FEB. 12, 1912.

1,066,801. Patented July 8, 1913.

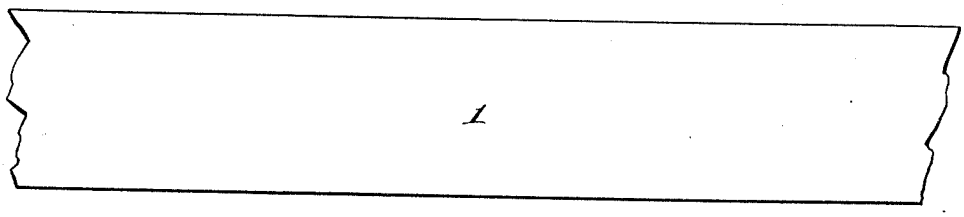


Fig. 1.

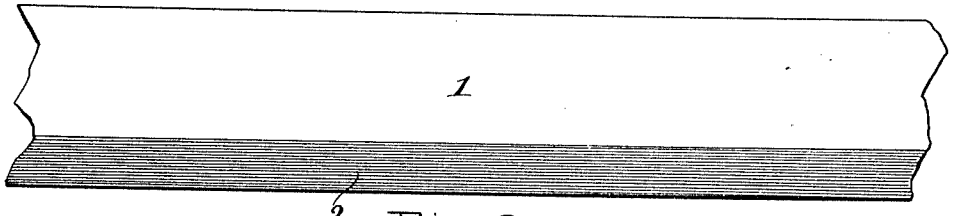


Fig. 2.

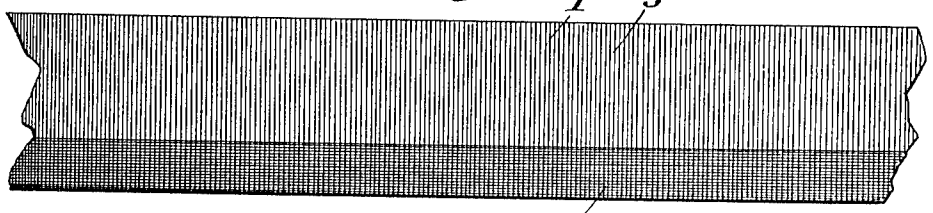


Fig. 3.

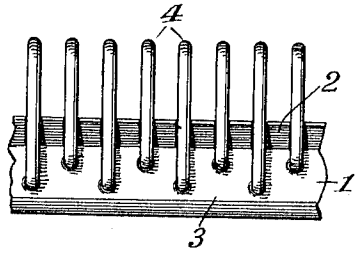


Fig. 4.

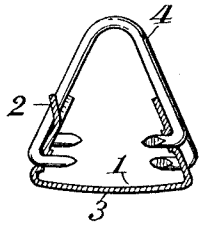


Fig. 5.

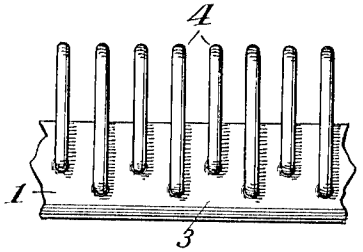


Fig. 6.

Witnesses

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UNITED STATES PATENT OFFICE.

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CARDING-PAPER FOR BELT-FASTENERS.

1,066,801. Specification of Letters Patent. Patented July 8, 1913.

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To all whom it may concern:

Be it known that I, JAMES K. DIAMOND, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Carding-Paper for Belt-Fasteners; 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.

My invention relates to improvements in carding paper for belt fasteners and more particularly to such paper for belt fasteners of the type comprising a staple-shaped fastener of wire, with pointed inwardly turned ends such as shown in the drawings, and its object is to provide a device having certain qualities and features hereinafter described, whereby it serves its purposes and effectually retains its shape when in use and is better adapted for use in machines used for the purpose of attaching the fasteners thereto.

My invention consists essentially of a holder or card for the purpose formed of strips of paper of suitable dimensions to one margin of which is applied a suitable material for stiffening and strengthening the same to adapt it to be formed to hold the fasteners and to retain its shape after the fasteners have been applied thereto. There is also applied to this paper a lubricating material which tends to make it work more satisfactorily in the machines used for attaching the fasteners to this prepared paper. To this end the edge of the paper is first treated with a solution of shellac or similar material whereby the edge is rendered more brittle and rigid, thus retaining its shape when indented to receive and maintain the fasteners in parallel relation. The paper is then coated with a solution of wax, paraffin, or like material whereby the paper is lubricated and will operate more satisfactorily in the machines.

My invention is hereinafter more fully described and particularly pointed out in the claims reference being had to the accompanying drawings, in which:

Figure 1 represents a strip of heavy Manila paper or other suitable material of proper width to form the holders or cards for the fasteners; Fig. 2 the same with the coating of shellac or other similar material applied to one edge thereof; Fig. 3 the finished strip ready for use to which there has been applied a solution of wax or other lubricating material; Fig. 4 a portion of a card formed of this prepared paper with fasteners attached thereto shown in side elevation exposing the edge of the material that has been shellacked; Fig. 5 a transverse section of the same; and Fig. 6 a side view opposite the side shown in Fig. 4.

Like numbers refer to like parts in all of the figures.

1 represents the paper of which the card is to be made.

2 represents the margin that has been treated with shellac or similar material and 3 represents the lubricated surface of the same.

4 represents the fasteners having their inwardly turned prongs projecting through the folded margins of the strip of paper, said margins extending along the inner sides of the fasteners and the margin having the shellac applied thereto broken outward between the fasteners, which extend vertically in parallel planes and are held in parallel relation by the portions of the strip that extend therebetween. The shellac or hardening material applied to this margin aids in retaining it in shape after it has been formed outward between the fasteners and also renders it more brittle whereby it is more readily so pressed outward.

What I claim is:

1. A card for belt fasteners comprising a strip of paper having stiffening material applied to the margin thereof and lubricating material applied to the entire surface thereof and folded along parallel longitudinal lines to form a trough shaped holder.

2. A card for belt fasteners comprising a strip of paper having gum shellac applied to one margin of the same and paraffin applied to the entire surface of the same, and said strip folded in parallel longitudinal lines to form a trough shaped holder.

3. A package of belt fasteners comprising a strip of paper having folded margins and hardening material applied to one margin thereof, the said margin having outwardly bent portions at regular intervals to form spacing members for the fasteners and belt fasteners spaced apart by said members, and having inwardly projecting prongs inserted in said strip.

4. A package of belt fasteners comprising a series of fasteners spaced apart in parallel planes and a strip of paper having gum shellac applied to one margin thereof and lubricating material applied to the entire surface thereof, said paper being folded in parallel lines along its margins and extending upward within the fasteners and perforated by the prongs thereof, the margin having the shellac applied thereto having outwardly bent portions between the fasteners to form spacing members therefor.

5. A package of belt fasteners comprising a series of belt fasteners having inwardly turned prongs and spaced apart in parallel planes and a strip of paper having shellac applied to one margin thereof and paraffin applied to the entire surface thereof, said paper being folded in parallel lines and extending within the fasteners, the margin thereof having the shellac thereon being provided with outwardly bent portions between the fasteners to form spacing members therefor.

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

JAMES K. DIAMOND.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."