No. 771,662. PATENTED OCT. 4, 1904.

I. H. PECK.

FLY PAPERING ATTACHMENT FOR BOX COVERING MACHINES.

APPLICATION FILED JUNE 20, 1904.

NO MODEL.

Fig. 1

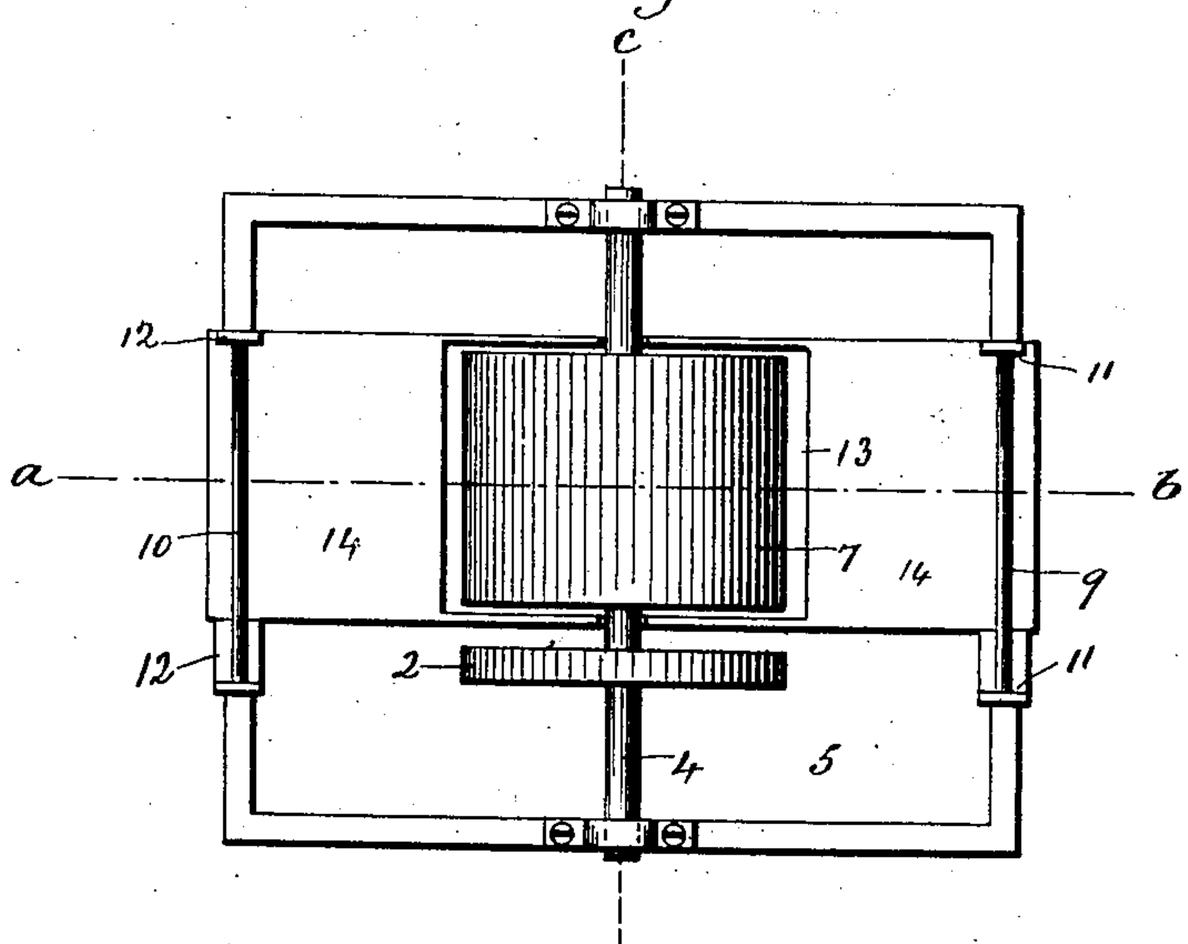


Fig. 2

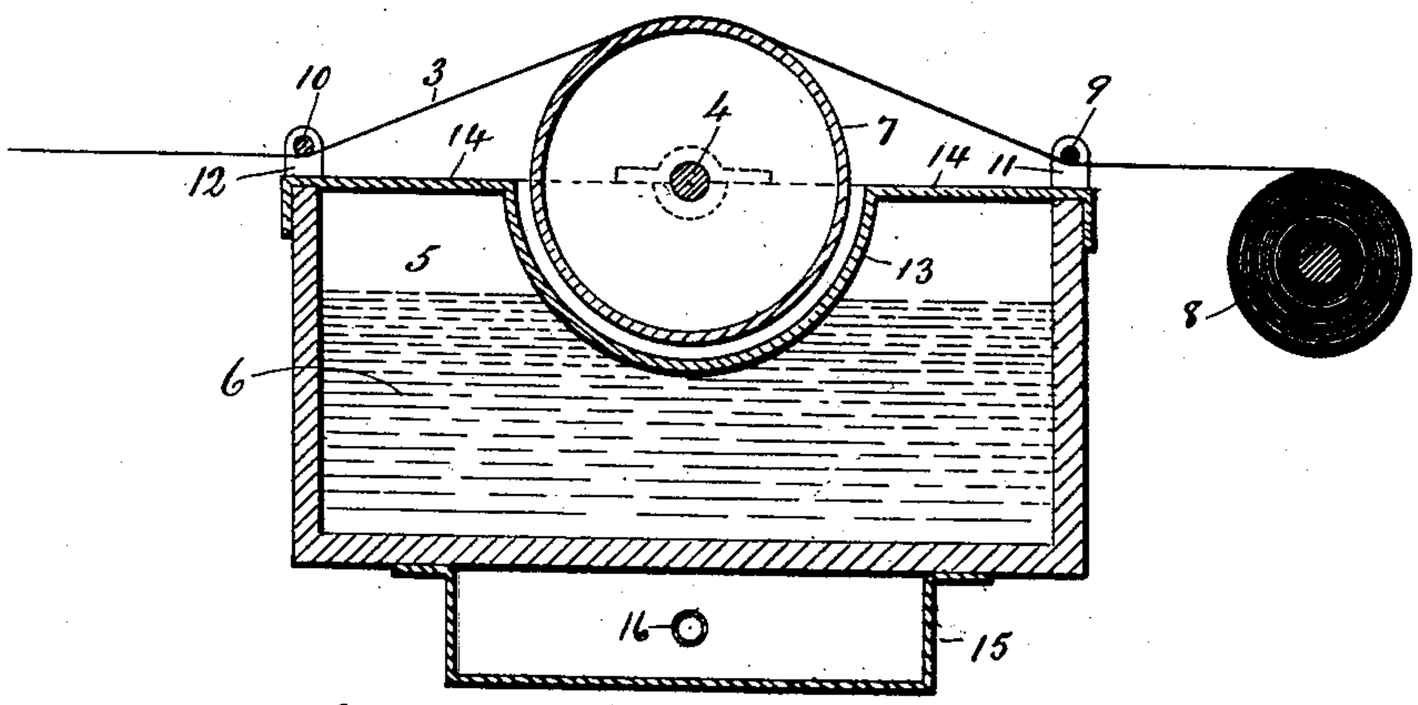
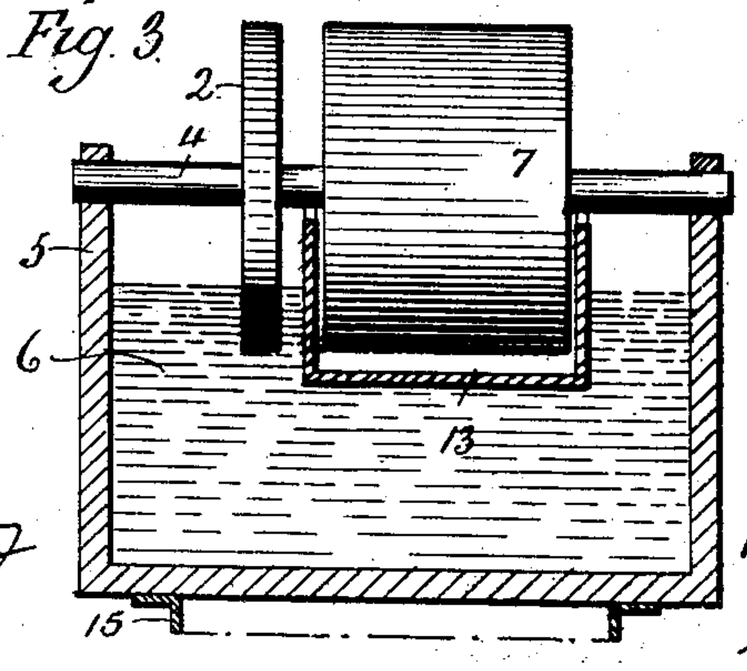


Fig. 3



Witnesses.
J. H. Shumway
Clara L. Reed.

Irving H. Peck,
Inventor.
By Attys
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No. 771,662. Patented October 4, 1904.

UNITED STATES PATENT OFFICE.

IRVING H. PECK, OF DERBY, CONNECTICUT, ASSIGNOR OF ONE-HALF TO JOHN JOSEPH HICKEY, OF HUNTINGTON, CONNECTICUT.

FLY-PAPERING ATTACHMENT FOR BOX-COVERING MACHINES.

SPECIFICATION forming part of Letters Patent No. 771,662, dated October 4, 1904.

Application filed June 20, 1904. Serial No. 213,258. (No model.)

To all whom it may concern:

Be it known that I, IRVING H. PECK, of Derby, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Fly-Papering Attachments for Box-Covering Machines; and I do hereby declare the following, when taken in connection with the accompanying drawings and the numerals of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a plan view of a fly-papering attachment constructed in accordance with my invention; Fig. 2, a view thereof in vertical longitudinal section on the line *a b* of Fig. 1; Fig. 3, a view in vertical transverse section on the line *c d* of Fig. 1, with the roll, drum, and shaft in elevation.

My invention relates to an improved fly-papering attachment for box-covering machines, the object being to produce a simple, compact, convenient, and effective attachment for applying an adhesive, such as glue or paste, to one edge of the long paper strip, which is subsequently cut up into short lengths which are used as fly-papers.

With these ends in view my invention consists in a fly-papering attachment having certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In carrying out my invention, as herein shown, I employ a narrow roll 2, corresponding in width to the width of the band of adhesive, such as glue or paste, to be applied to the edge of the fly-paper strip 3, the said roll being mounted upon a shaft 4, which is journaled in any suitable manner in the side walls of a reservoir 5, containing an adhesive 6, in which the lower edge of the roll 2 runs. In conjunction with the roll 2 I employ a combined strip-supporting and strip-feeding drum 7, arranged concentrically with and practically corresponding in diameter to it. As shown, the said drum 7 is journaled upon the said shaft 4, which it rotates, the drum 7 being frictionally driven by the strip 3 as the same is drawn from the stock-roll 8, from which it passes under small guide-rolls 9 and 10, respectively mounted in brackets 11 and 12, secured to the ends of the reservoir 5. The roll 2 of course rotates with the shaft 4 and at the same rate as the drum 7. By passing under the rolls 9 and 10 the strip 3 is placed under sufficient tension to develop on the surface of the drum 7 the amount of friction required for rotating it and the shaft 4 and the roll 2. In order that the drum 7 may not itself take up any of the adhesive, it is protected by a trough-like guard or shield 13, partially submerged in the adhesive and supported by horizontal arms 14 14, resting upon the ends of the reservoir. It will be observed by reference to Figs. 1 and 3 that the roll 2 and drum 7 are separated from each other sufficiently to permit one of the side walls of the guard 13 to rise between them. When the fly-paper strip 3 is in motion, its main portion will be supported upon the drum 7, while its adhesive-receiving edge will travel over the roll 2, which will apply a film of glue or paste to it. The support offered by the drum 7 is so large that the fly-paper strip travels steadily and without any danger of being laterally displaced or torn.

In the device shown the adhesive, whatever its character may be, is kept hot by means of steam introduced into a steam-box 15, located below the reservoir 5, and supplied with steam from a pipe 16.

By employing the construction shown and described the line in which the fly-paper strip is fed remains unchanged, as the drum and roll are brought directly into it.

It is obvious that in carrying out my invention some changes from the construction herein shown and described may be made. I therefore wish it to be understood that I do not limit myself thereto, but hold myself at liberty to make such departures therefrom as fairly fall within the spirit and scope of my invention.

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

1. In a fly-papering attachment, the combination with a reservoir, of a narrow roll located therein, a strip-supporting drum sub-

stantially corresponding in diameter to the said roll from which it is slightly separated, and a guard located within the reservoir, and receiving the lower portion of the drum from which it excludes the adhesive in the reservoir, one edge of the said guard rising between the roll and the adjacent face of the drum.

2. In a fly-papering attachment, the combination with a reservoir, of a narrow roll located therein, a shaft on which the roll is mounted, a strip-supporting drum located within the reservoir and mounted on the said shaft at a point close to the roll, a guard located within the reservoir and receiving the lower portion of the drum from which it excludes the adhesive in which the lower edge of the roll is immersed, and means for passing a strip of paper over the roll and drum under tension.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

IRVING H. PECK.

Witnesses:
C. S. HATHAWAY,
HOWARD B. PECK.