

(No Model.)

B. G. LUTHER.

GLUING ATTACHMENT FOR MATCHING MACHINES.

No. 474,092.

Patented May 3, 1892.

Fig. 1.

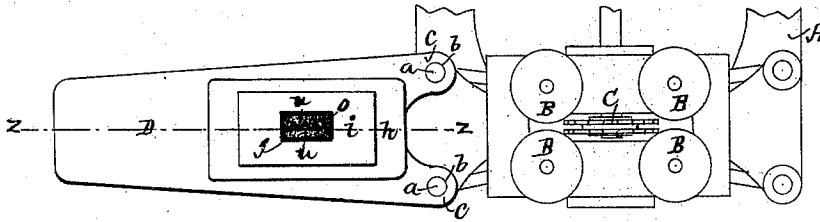


Fig. 2.

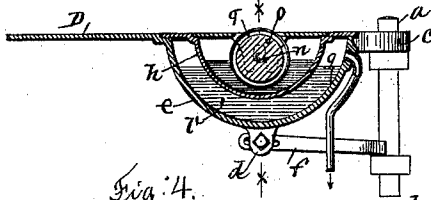


Fig. 3.

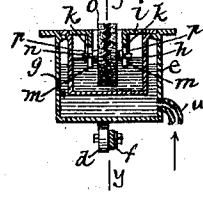


Fig. 4.

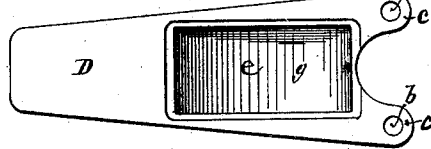


Fig. 5.

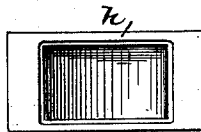


Fig. 7.

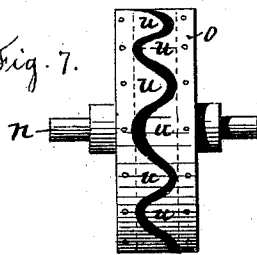


Fig. 8.

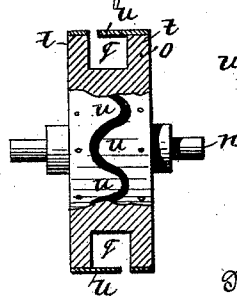
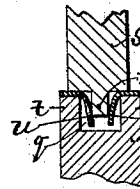


Fig. 9.



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GLUING ATTACHMENT FOR MATCHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 474,092, dated May 3, 1892.

Application filed October 26, 1891. Serial No. 409,888. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN G. LUTHER, a citizen of the United States, residing at Worcester, in the State of Massachusetts, have
5 invented a new and useful Improvement in Gluing Attachments for Matching-Machines, of which the following is a specification.

My invention consists in the improved construction and arrangement of the glue-distributing roller, as hereinafter fully set forth.

Figure 1 represents a top view showing the cutter and the feed-rollers of the matching-machine. Fig. 2 represents a longitudinal vertical section taken in the line *z z* of Fig. 1.
15 Fig. 3 represents a transverse vertical section taken in the line *x x* of Fig. 2. Fig. 4 represents a top view of the table for holding the glue-pot. Fig. 5 represents a top view of the glue-pot. Fig. 6 represents an edge view of
20 the cover for the glue-pot and a side elevation of the glue-distributing wheel. Fig. 7 represents an edge view of the glue-distributing wheel. Fig. 8 represents a sectional view of the same. Fig. 9 is a detail section showing
25 the action of the tongue of the board upon the flexible flaps of the glue-distributing wheel.

In the accompanying drawings, A represents the frame of the matching-machine, B
30 B the feed-rollers, and C the cutter. The table D is removably held upon the upwardly-projecting studs *a*, which enter the holes *b* in the ears *c* of the table, and to the ear *d* at the bottom of the hot-water dish *e*, formed in the
35 table, is attached the brace *f*.

Within the cavity *g* of the dish *e*, into which steam is caused to enter through the pipe *w*, is placed the glue-pot *h*, thus forming the heating-chamber *v*, and the cover *i* of the glue-
40 pot is provided with a slot *j* and with the downwardly-projecting ears *k k*, the said ears being provided with an open slot *m*, adapted to receive the shaft *n* of the glue-distributing wheel *o*, the said wheel being held in its up-
45 ward position by means of opposite springs *p*, which press upward against the shaft *n*. The wheel *o* is provided with a circumferential groove *q*, which is adapted to receive the tongue *r* of the board *s*, as shown in Fig. 9,
50 and to the top of the flanges *t* of the wheel *o*

are attached the flaps *u*, made of felt or similar flexible material, adapted to be bent downward into the groove *q* at each side of the tongue *r* to apply glue to the same, the said flaps being preferably made in scalloped form,
55 as shown in Fig. 7, whereby the glue will be deposited in alternate patches upon the opposite sides of the tongue. When the board is passed between the feed-rollers B B and forced forward over the cutter C, the tongue
60 of the board will press down the flaps *u* and cause the rotation of the wheel *o* in the melted glue in the pot *h*, thus causing the deposit of the glue in alternate patches upon the opposite sides of the tongue *r* preparatory to unit-
65 ing the tongued and grooved boards to each other as fast as they can be passed through the machine.

I claim as my invention—

1. A glue-distributing wheel provided with
70 a circumferential groove adapted to receive the tongue and the projecting flexible covering for applying the glue to the side of the tongue as the edge of the board passes over the wheel, substantially as described.

2. A glue-distributing wheel provided with a circumferential groove adapted to receive
75 the tongue, the projecting flexible covering, and yielding means for supporting the said wheel against the edge of the board, substantially as described.

3. The combination, with the cutter and the feed-rolls of a matching-machine, of the glue-distributing wheel provided with the circumferential groove adapted to receive the
85 tongue and the projecting flexible covering for applying the glue to the side of the tongue as the edge of the board passes over and rotates the wheel, substantially as described.

4. The combination, with the cutter and the
90 feed-rolls of a matching-machine, of the glue-pot, a glue-distributing wheel, and yielding means for holding the wheel against the edge of the board, so as to be rotated thereby, substantially as described.

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