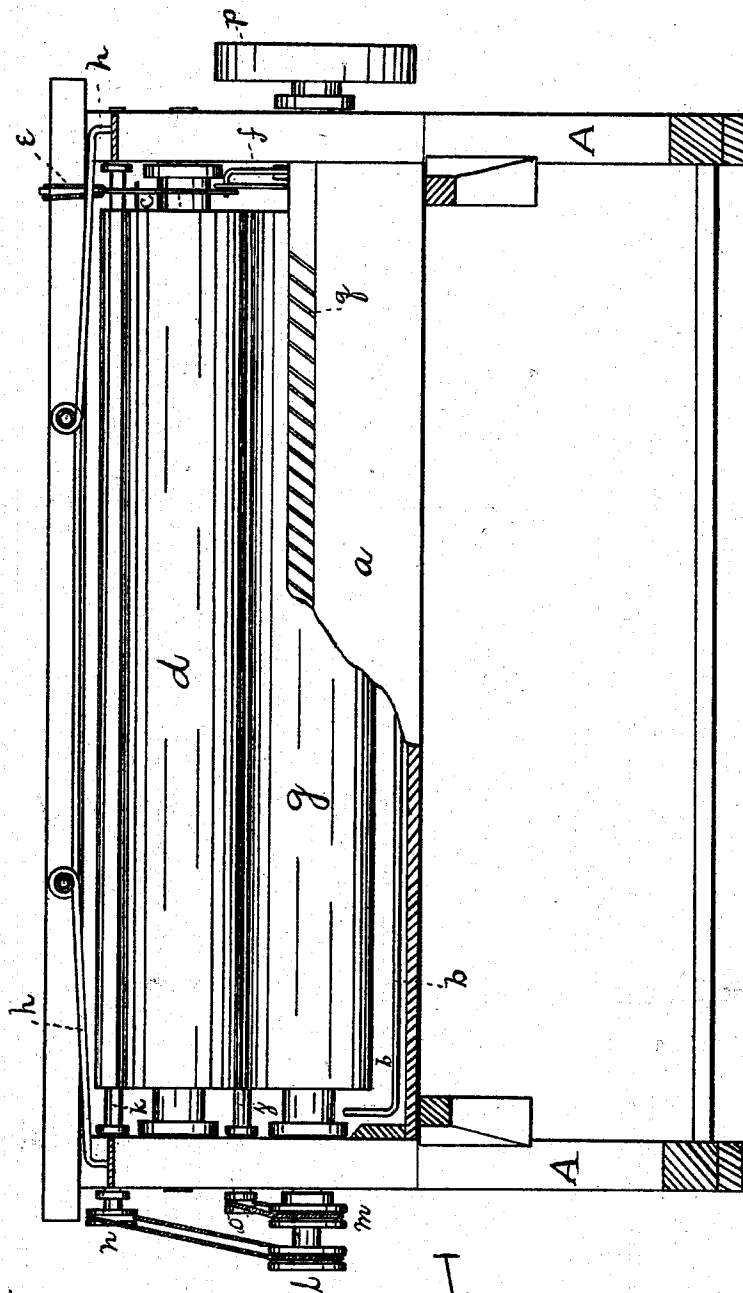


T. GOODALL.
PASTING-MACHINE.

No. 186,339.

Patented Jan. 16, 1877.



WITNESSES
Herbert G. Briggs.
Edgar L. Brown.

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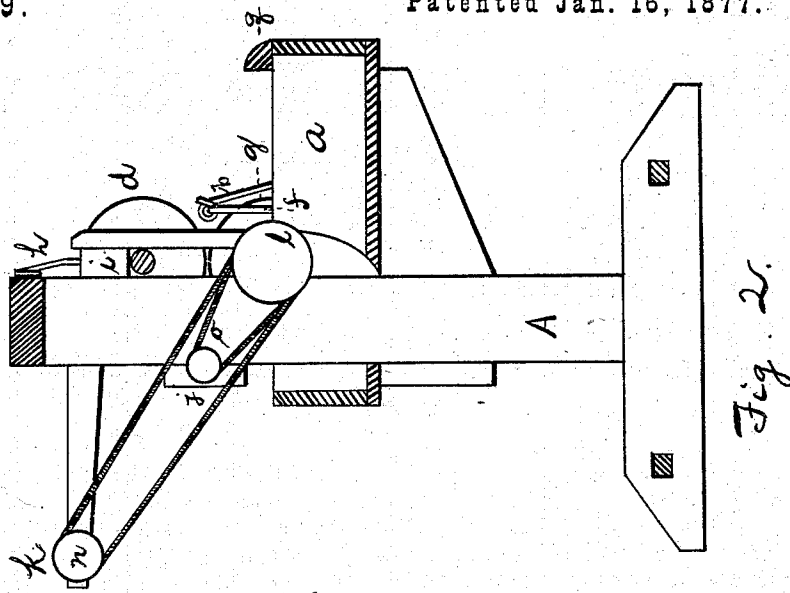


Fig. 2.

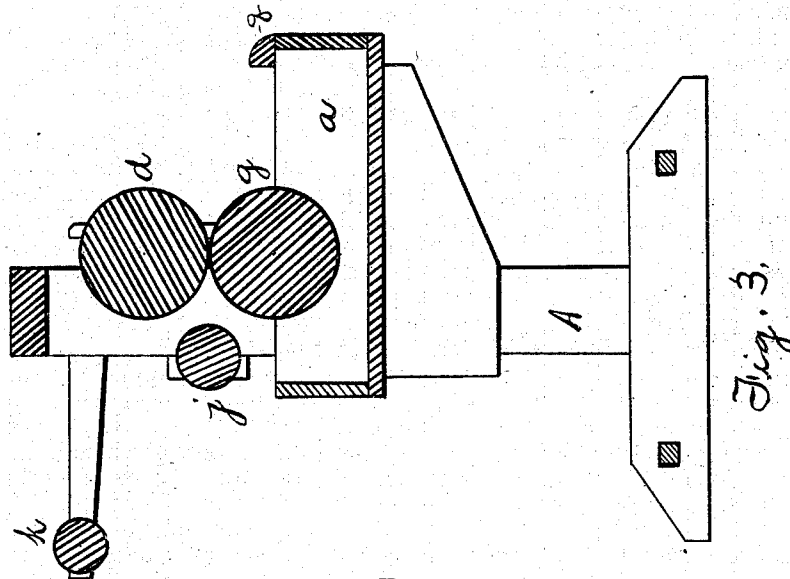


Fig. 3.

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UNITED STATES PATENT OFFICE.

THOMAS GOODALL, OF SANFORD, MAINE.

IMPROVEMENT IN PASTING-MACHINES.

Specification forming part of Letters Patent No. **186,339**, dated January 16, 1877; application filed September 8, 1876.

To all whom it may concern:

Be it known that I, THOMAS GOODALL, of Sanford, in the county of York and State of Maine, have invented certain new and useful Improvements in Pasting-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a front view, partly in section. Figs. 2 and 3 are transverse sections.

Same letters show like parts.

The purpose of my invention is to produce a machine for applying paste to nap or plush goods of the different kinds. Certain kinds of plush and other woolen goods are made by having applied to them on the back side a paste the purpose of which is to prevent the nap or plush from pulling out. Certain kinds of these goods would be spoiled if the paste were allowed to get onto the face.

My invention consists in a machine by which the paste is applied to the back side of the goods evenly, and over the whole surface of that side, and is prevented from coming in contact with the face.

In the accompanying drawings, A shows the frame of the machine. *a* is a paste-receptacle. *b* is a stirrer to keep the paste in a proper condition in the receptacle. This device is operated by the pin *c* on the roll *d*, together with the spring *e*. The stirrer is pivoted on the supports *f*, upon which it turns when moved by the pin and spring before described. *g* is the pasting-roll, which in its rotation takes up from the receptacle *a* the paste which is carried and applied to the goods by the said roll. The roll *d* is a pressure and feed roll to carry the goods over the pasting-roll *g*. To this roll

d the face of the goods is exposed, and consequently no liability is incurred of soiling the face of the goods with paste. *h* is a duplex spring pressing upon the caps *i*, which caps bear upon the journals of the roll *d*, and thus maintain through it the required pressure upon the pasting-roll and the goods. *j* is a supplemental roll to carry forward the cloth after it has passed between the rolls *d* and *g*, and to prevent the same from coming in contact with the paste in the receptacle *a*. *K* is another roll, over which the cloth is carried, and over which it passes to remove it from the machine.

The method of driving the different rolls is as follows: *d* is caused to rotate by friction of or contact with the fabric. Upon the journal of the roll *g* are rigidly set two pulleys, *l m*. From the pulley *l* extends a belt to the pulley *n*, in order to impart rotation to the roll *k*. From the pulley *m* a band extends to the pulley *o*, which causes the rotation of the supplemental roll *j*.

Power is applied on the pulley *p*.

The forward edge of the paste-receptacle is scored with a series of diverging grooves, *q*, the purpose of which is to keep the goods even and properly spread as they enter between the rolls *d* and *g*.

What I claim as my invention, and desire to secure by Letters Patent, is—

The pasting-machine herein described, made up of the combination of the receptacle *a*, pasting-roll *g*, roll *d*, spring *h*, caps *i*, stirrer *b*, pin *c*, spring *e*, supports *f*, rolls *j* and *k*, as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

THOS. GOODALL.

Witnesses:

WILLIAM KERNON,
J. G. ADAMS.