

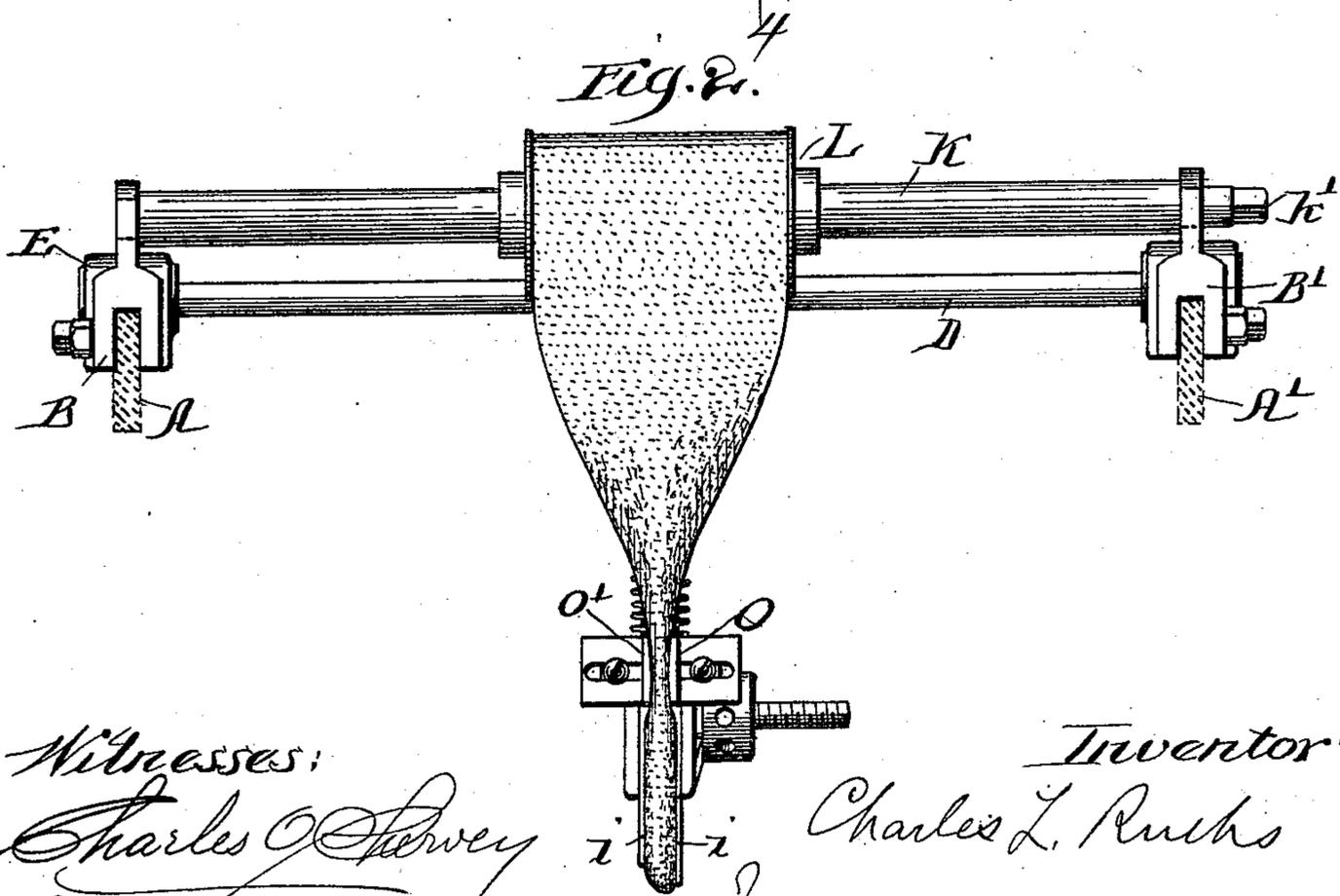
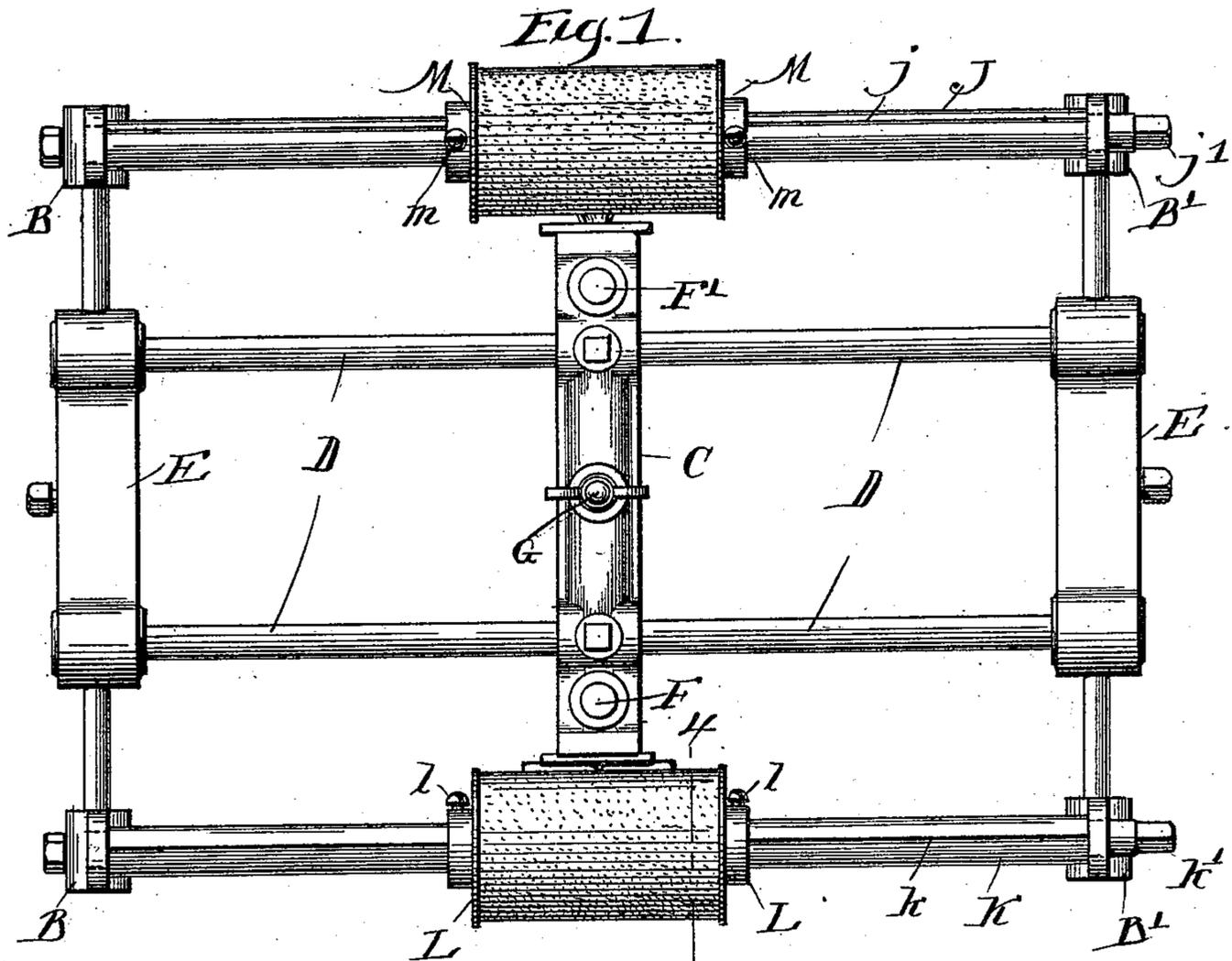
(No Model.)

3 Sheets—Sheet 1.

C. L. RUEHS.
SANDPAPERING MACHINE.

No. 526,845.

Patented Oct. 2, 1894.



Witnesses:
Charles Sherway
H. A. Rogers.

Inventor
Charles L. Ruehs
 by *Wm. M. Pitman* atty.

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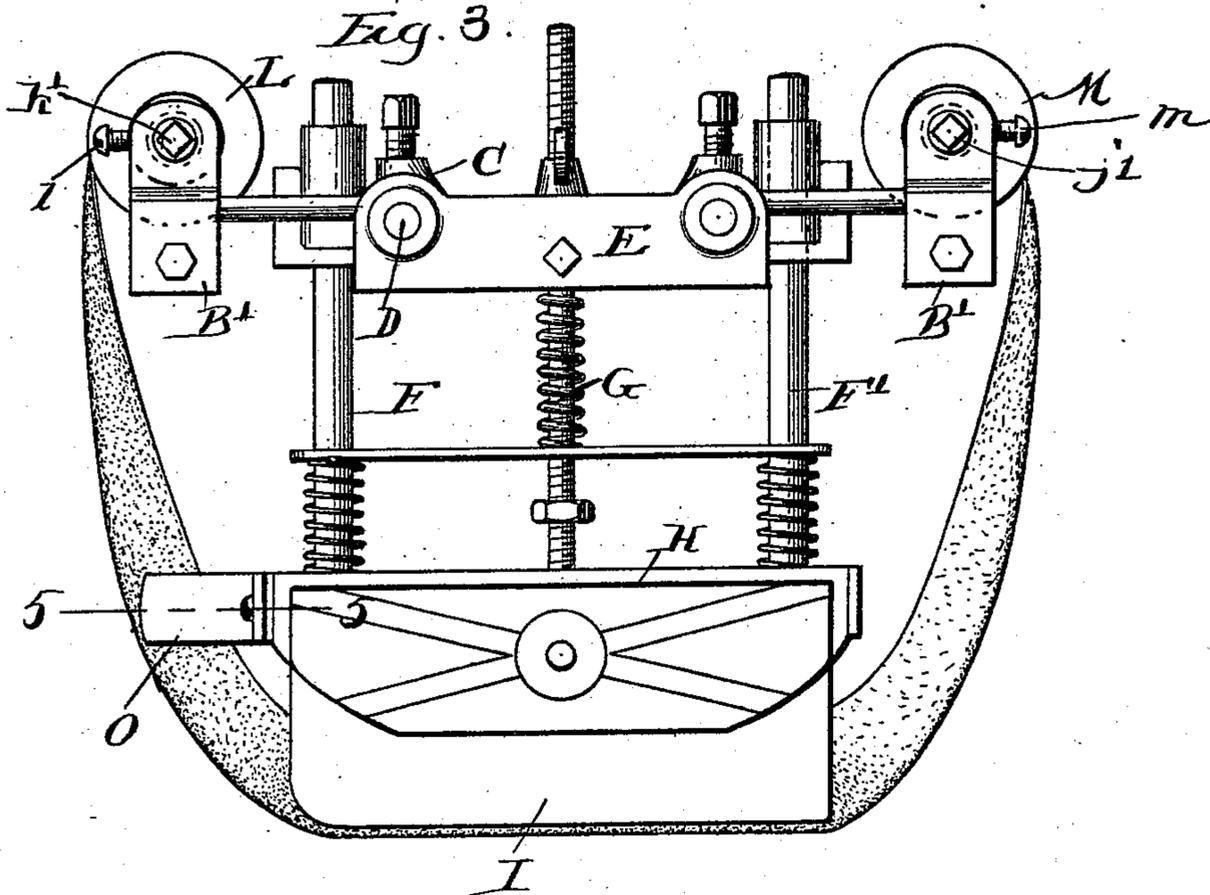


Fig. 4.

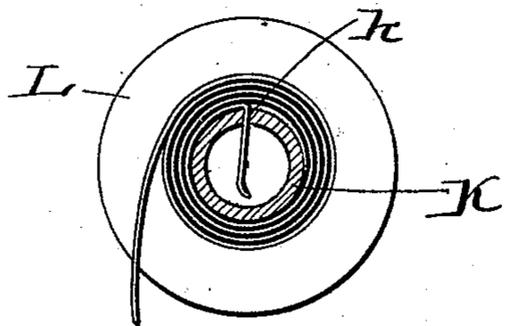
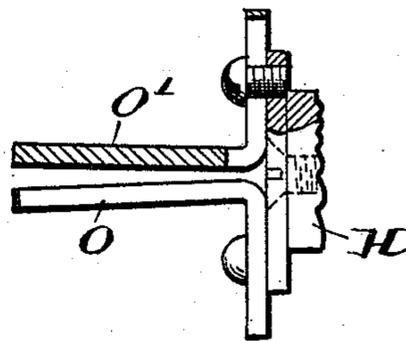


Fig. 5.



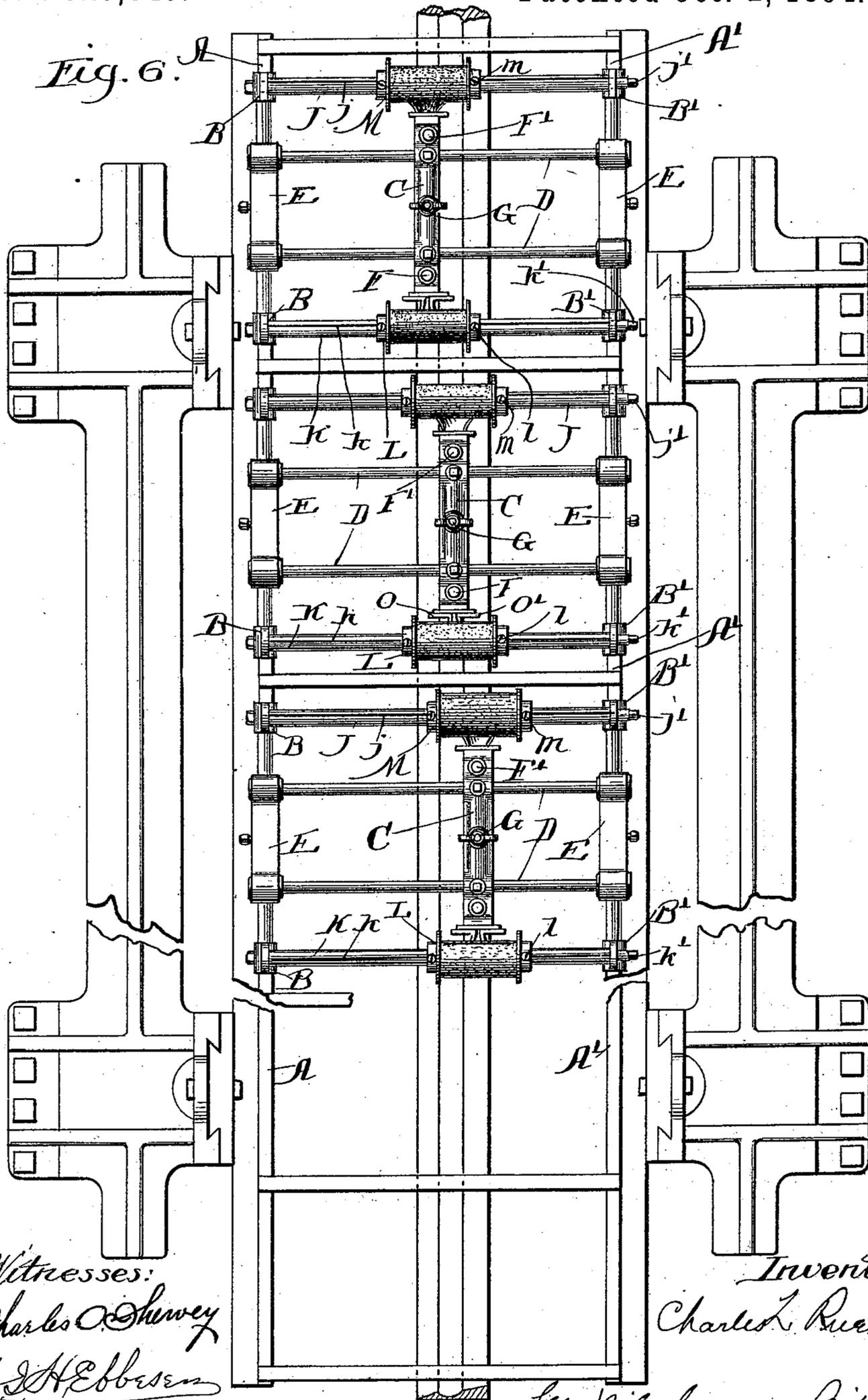
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Witnesses:
Charles C. Shewey
A. H. Ebbesen

Inventor:
Charles L. Ruehs

by Miles Marvin Ritter
attorney

UNITED STATES PATENT OFFICE.

CHARLES L. RUEHS, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE RUEHS
MOULDING SANDPAPERING MACHINE COMPANY, OF SAME PLACE.

SANDPAPERING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 526,845, dated October 2, 1894.

Application filed August 11, 1893. Serial No. 482,904. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. RUEHS, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sandpapering-Machines, of which the following is a specification.

My invention relates to certain improvements in sand paper holding devices designed for use in sand papering machines such as are fully described in a patent heretofore issued to me, No. 495,104, dated April 11, 1893. In that patent a machine is shown provided with suitable devices for feeding molding across a bed and for reciprocating a frame back and forth above the molding as it passes through. This frame is provided with a series of block holders carrying blocks faced with sand paper and shaped to conform to certain portions of the molding passing beneath. It is to these block holders that my present invention pertains and the purpose of the same is to facilitate the renewal of the sand paper or sand cloth as the portions exposed to the work are worn away.

The drawings show in Figure 1 a plan view of the paper holder, in Fig. 2 an end view, in Fig. 3 a side view, in Fig. 4 a section in line 4—4 of Fig. 1, in Fig. 5 a section in line 5—5 of Fig. 3, and in Fig. 6 a plan view of a series of block holders mounted upon a suitable frame.

The cross bars of the reciprocating frame above referred to are shown at A A', of Fig. 2, and the clamps for securing the block holders thereto at, B, B'. The frame itself consists of a head, C, longitudinal rods D and end pieces E, which carry clamps, B B'. Vertical rods, F F' G, are guided in holes in the head and carry at their lower extremities a box H, in which is secured a block I, faced upon its under surface to conform to one portion of the cross sectional upper surface of the molding. The parts thus far described are shown in substantially the same form in my prior patent but in the machine there described the sand paper is cut in pieces of sufficient size only to cover the block and when worn out must be removed

and replaced by a new piece. This is objectionable on account of the time consumed. To overcome this objection I have journaled two rollers J, K, in opposite sides of the frame each provided with a slit, *j, k*, to receive the end of a strip of sand paper or cloth, the latter being preferable, and upon these rollers I mount collars, L, M, provided with screws, *l, m*, so that said collars may be adjusted to any width of cloth and form with the roller a spool upon which a quantity of cloth may be wound. The rollers are squared at one end, *k', j'*, to receive a handle to aid in winding the cloth. The latter is wound upon one of the rollers, passes down under the block, I, and up to the other roller where it is secured and by means of which it is tightly stretched. As the portion covering the block is worn out the cloth is moved along exposing a fresh portion. On its way from the roller L, upon which it is first wound, to the block, it is folded by two opposing fingers O O', secured to the box H, so as to enter slits *i*, in the block provided to receive and hold the edges.

I am aware that it has been heretofore attempted to use a long strip or band of sand paper or cloth in a sand papering machine in connection with a reciprocating block and rollers to carry the supply of cloth. Said cloth has, however, as far as I am aware, been stretched laterally across the face of the block at right angles to the latter's motion. The main improvement which I have made consists in stretching the sand paper longitudinally of the block and in the line of the latter's motion so that as the cloth is worn thin by use upon the more exposed edges of the block, the weakening will be in parallel lines lengthwise of the strip instead of directly across it and will therefore not materially lessen its strength.

I claim as new and desire to secure by Letters Patent—

The combination in a sand papering machine with a suitable bed, driving and feeding devices and a reciprocating frame suitably connected with the driving device, of a series of block carriers mounted upon said frame, a series of grooved blocks secured in said carriers, each carrier having a pair of

rolls located at the opposite ends of the
block and a pair of fingers to fold the paper,
and a strip of sand paper or cloth adapted to
cover the face of the block, said cloth being
5 wound upon the rolls and stretched through
the fingers and longitudinally of the block;
substantially as shown and described.

In witness whereof I have hereunto set my
hand, at Chicago, Illinois, this 3d day of Au-
gust, 1893.

CHAS. L. RUEHS.

Witnesses:

CHARLES O. SHERVEY,
N. A. ROGERS.