

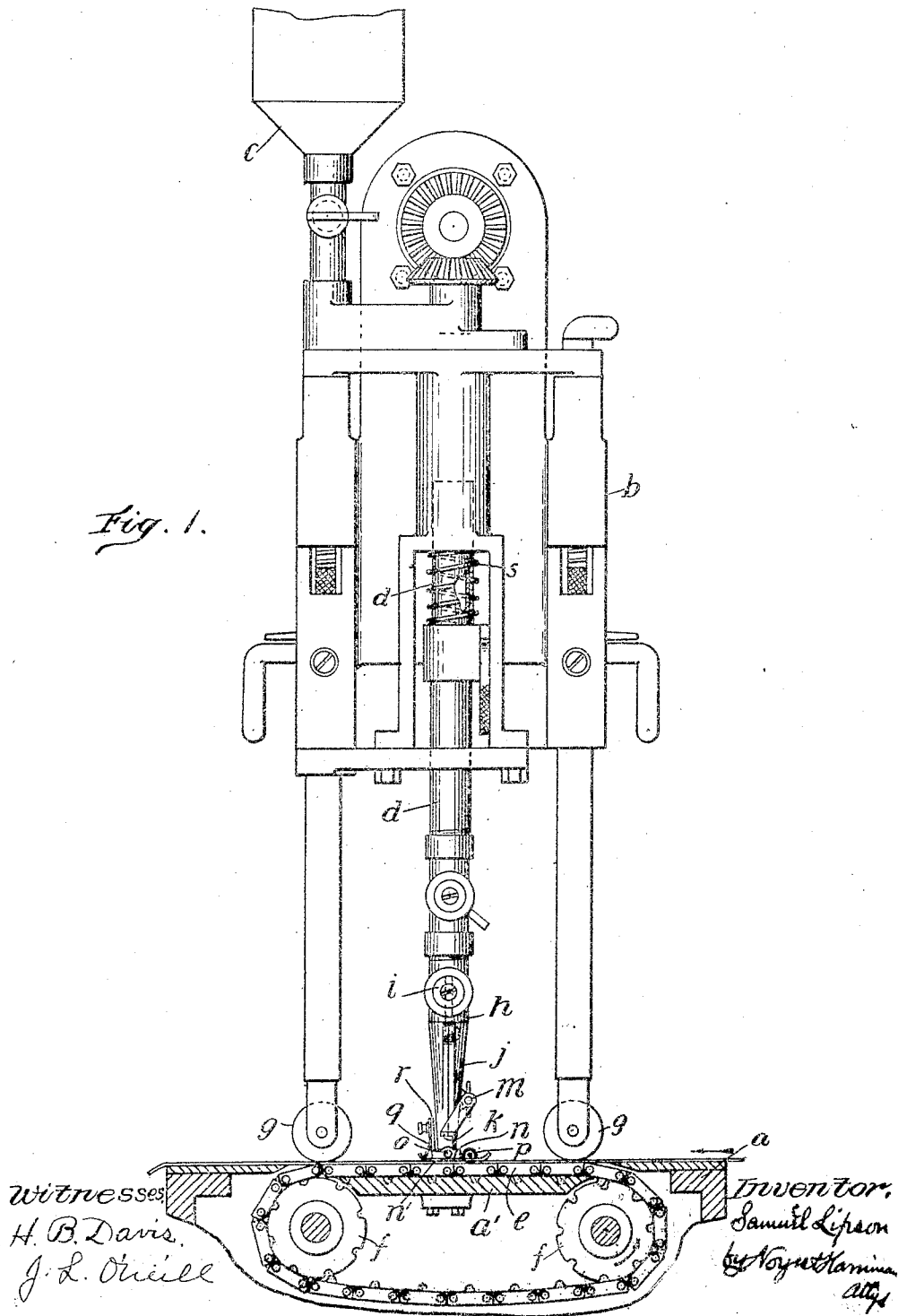
S. LIPSON.
GARMENT CEMENTING MACHINE.
APPLICATION FILED SEPT. 8, 1911.

1,039,681.

Patented Sept. 24, 1912.

2 SHEETS-SHEET 1.

Fig. 1.

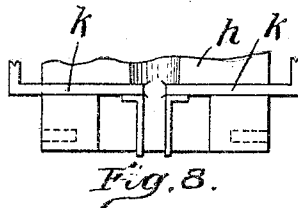
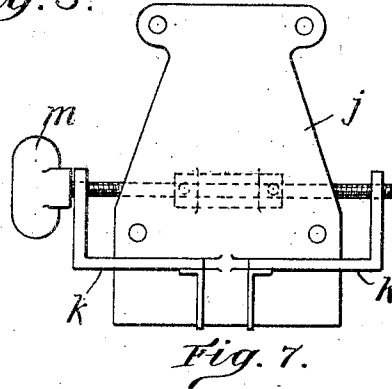
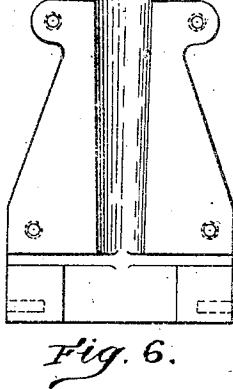
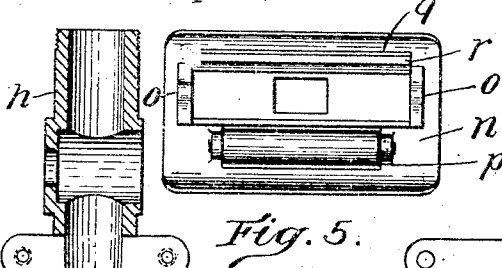
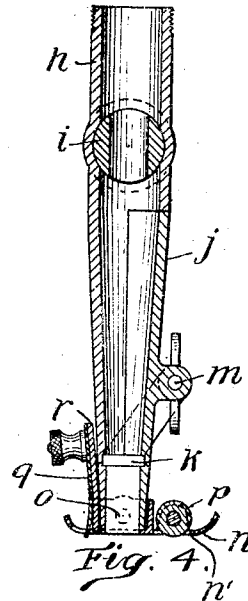
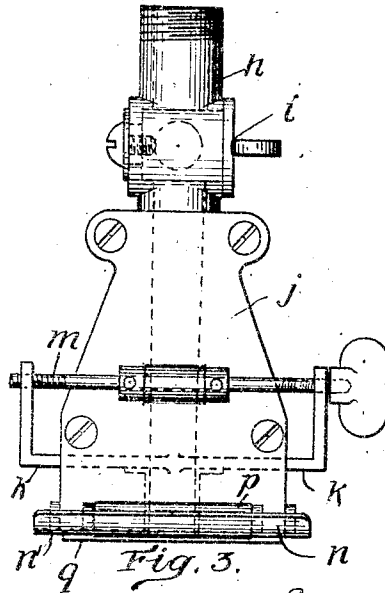
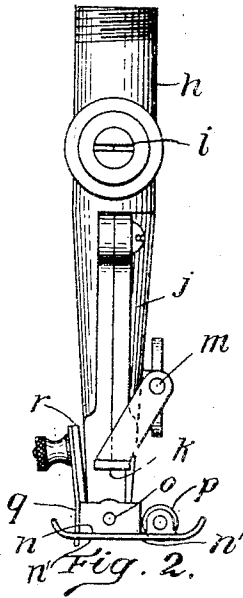


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2 SHEETS-SHEET 2.



Witnesses:
H. B. Davis.
J. L. O'Neill

Inventor:
Samuel Lipson
by Roger Hammons
Attys

UNITED STATES PATENT OFFICE.

SAMUEL LIPSON, OF SAUGUS, MASSACHUSETTS, ASSIGNOR OF ONE-THIRD TO HARRY ROSENBERG AND ONE-THIRD TO JACOB ROSENBERG, BOTH OF BOSTON, MASSACHUSETTS.

GARMENT-CEMENTING MACHINE.

1,039,681.

Specification of Letters Patent.

Patented Sept. 24, 1912.

Application filed September 8, 1911. Serial No. 646,413.

To all whom it may concern:

Be it known that I, SAMUEL LIPSON, a citizen of the United States, residing at Saugus, in the county of Essex and State of Massachusetts, have invented an Improvement in Garment-Cementing Machines, of which the following is a specification.

This invention relates to certain improvements in the machine disclosed in my prior patent #642,344, and more particularly to certain improvements in the means for delivering and applying cement to the work.

The object of the present invention is to improve the cement delivering and applying means of said prior device, in various particulars, as will hereinafter appear.

In the accompanying drawings:—Figure 1 is an elevation of the end of the head of a machine, such as shown in my said prior patent, provided with my present improvements, Fig. 2 is a side elevation, and Fig. 3 is a front elevation of a cement delivering nozzle, made according to my present invention. Fig. 4 is a central vertical sectional view of the nozzle shown in Fig. 3. Fig. 5 is a bottom plan view of the nozzle. Figs. 6 and 7 are detail views of the two main portions into which the nozzle may be separated. Fig. 8 is a detail view of the nozzle gate valves.

In the drawing *a* indicates the table of the machine, and *b* the head thereof, on which the cement feeding devices are arranged, *c* indicating the cement-tank and *d* the tube into which the cement is fed. An endless table *e*, in the form of a linked chain, is arranged to be fed over the feed rolls *f*, and a supporting portion *a'* of the table at the level of the surface of the table, and presser rolls *g* are arranged to bear on said table to provide a frictional engagement between the table and the work. The cement delivering tube is connected to a nozzle *h*, in which a valve *i* is mounted, said nozzle being open at its lower end and the front portion of said nozzle being provided with a removable section *j*, for cleaning purposes, and the lower portion of both being extended transversely to provide an elongated discharge orifice.

A pair of gate valves *k* are slidably mounted in the lower portion of the nozzle *h*, and its section *j*, and said valves *k* are connected to an adjusting screw *m*, by means

of right and left screw threads, respectively, so that when said screw is rotated, said gates may be simultaneously adjusted, either toward or from each other and may be at all times held equidistant from the middle of the cement passage, so that the width of said passage may be readily varied and the center of the discharge will, at all times, be at the same point.

A foot piece *n* is mounted on a pivot *o* on the lower end of the nozzle *h*, opposite the middle of the cement passage therethrough, said foot piece being provided with a flat, work-engaging face *n'* on its under side, which is held approximately at the level of the lower end of the nozzle *h*, thus providing an extended bearing surface for the nozzle.

A roller *p* is mounted in the front end portion of the foot piece *n* and a yielding cement spreader and evener *q* is fastened to an arm *r*, mounted on the foot piece *n*, in the rear of said pivot, said spreader comprising a flat spring having its lower end square and parallel to the face *n'* of the foot, and extending slightly beneath said face, as shown in Figs. 2 and 3.

The nozzle *h* is mounted to yield vertically against the action of a spring *s*, substantially as shown in my said prior patent.

The operation of the device is as follows:— When the work is placed in position on the table *e* the foot piece *n* is permitted to rest on the surface to be cemented, and the work is fed therebeneath, by the feeding action of the table and the cooperating rolls *g*. As the work is fed beneath the nozzle, the cement will be delivered thereto in a manner which will be obvious, the width of the stream of cement which is delivered being varied by the adjustment of the gates *k*. Inasmuch as there are various seams, or doubled portions in the garments which are cemented, the pivotal connection between the foot-piece *n* and the nozzle permits said foot piece to adjust itself to various angles according to such variations, so that it may easily pass thereover, the roll *p* in the front portion thereof, the surface of which is held slightly beneath the surface of the face *n'*, materially assists in permitting a ready feeding of the garment beneath the end of the nozzle. The spring scraper *q* acts to distribute the cement evenly, as it is delivered to the work, so that a uniform coating is applied throughout the entire width of the

surface which is to be coated with cement, said scraper being adapted to yield in case irregularities are encountered, and to adapt itself to these conditions, particularly as it is raised and lowered by the pivoted foot piece.

I claim:—

1. In a cementing machine having work feeding means, a cement-delivering nozzle having a foot pivotally mounted on the lower end thereof to swing about an axis disposed transversely of the feed, adjacent the middle of the delivery end of the nozzle, said foot having a work-engaging face on its under side and a deflecting means at its front end, substantially as described.

2. In a cementing machine having work feeding means, a cement delivering nozzle

having a foot pivotally mounted on the lower end thereof to swing about an axis disposed transversely of the feed, said foot having a work-engaging face on its under side and a deflecting means at its front end, and a cement spreader mounted on said foot in the rear of its delivery opening, and comprising a yielding tongue, having a transversely extending, work-engaging end portion, substantially as described.

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

SAMUEL LIPSON.

Witnesses:

L. H. HARRIMAN,
H. B. DAVIS.