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P. A. E. SCHEER.

DEVICE FOR PRODUCING FILLERS FOR CIGARS.

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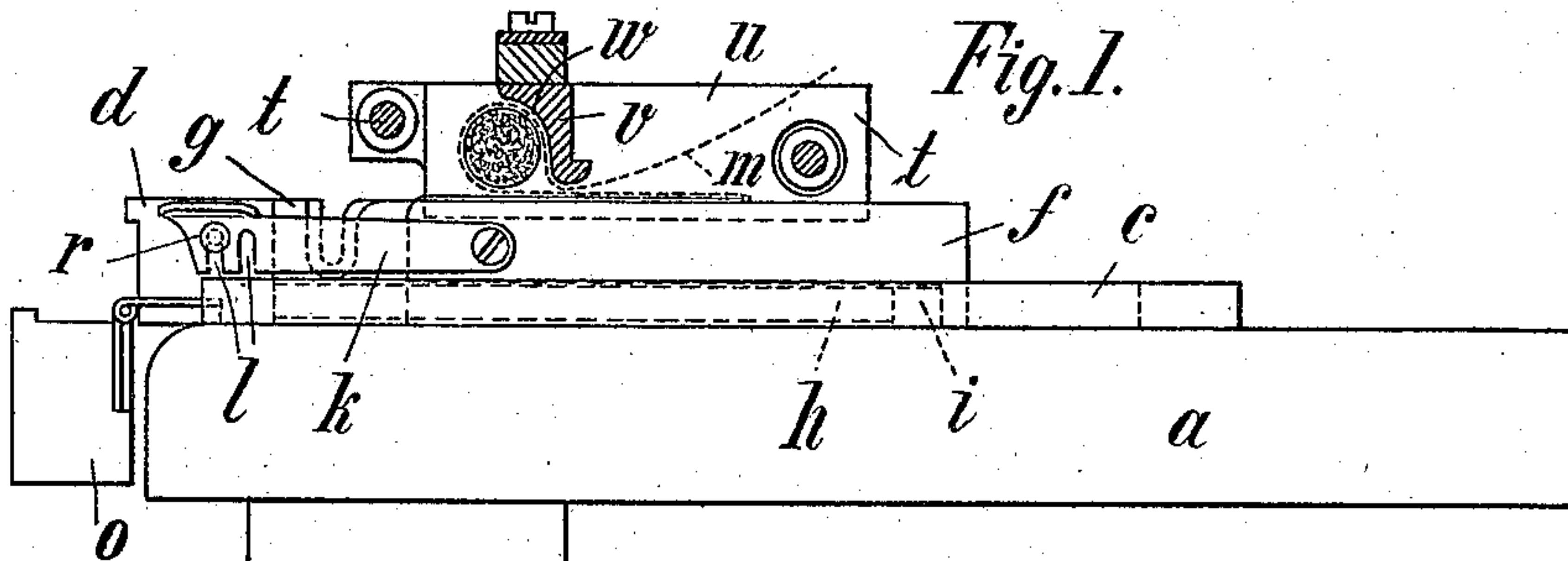


Fig. 2.

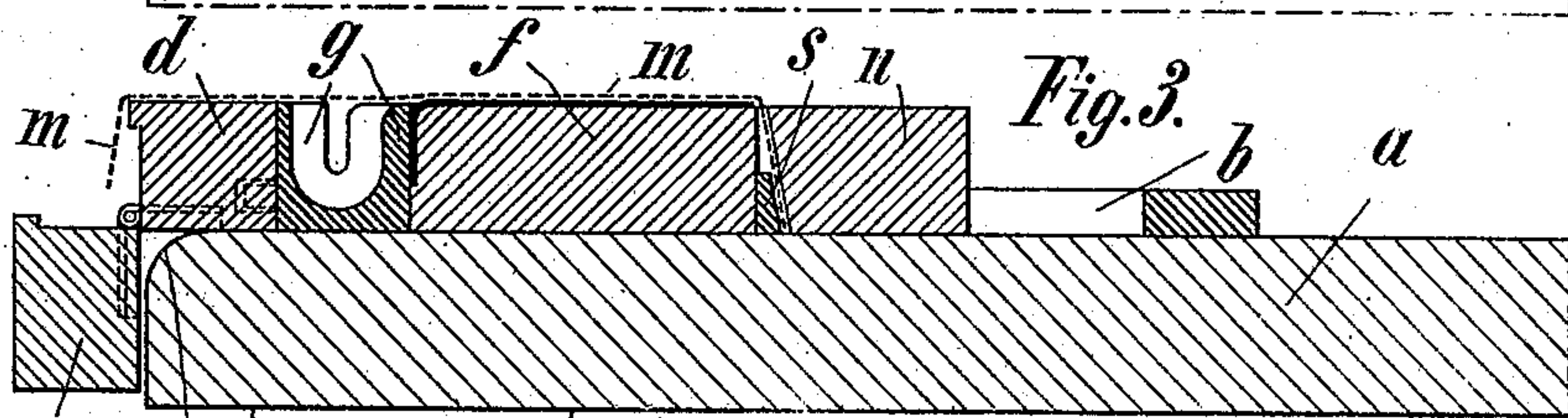
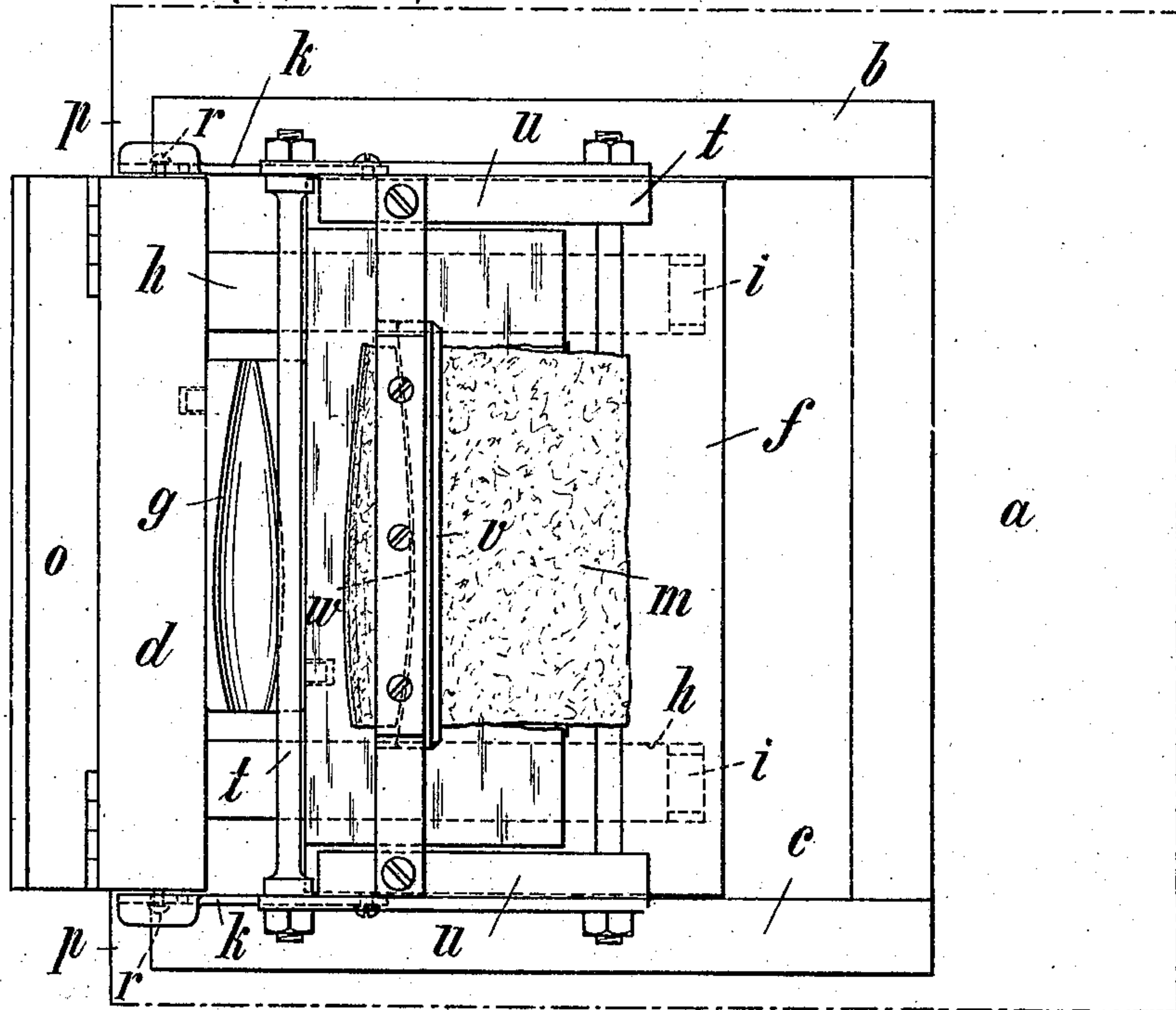


Fig. 3.

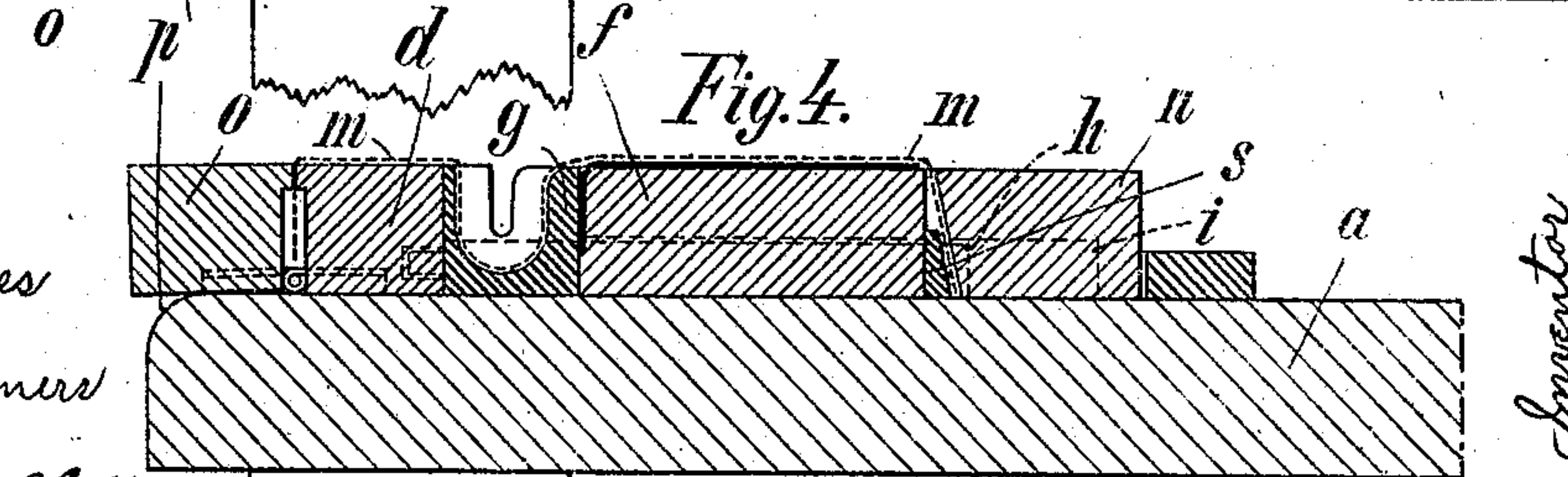


Fig. 4.

Witnesses

W. H. Lutton

Jesse H. Lutton

Inventor.  
Peter August Edward Scheer  
by Henry C. Lutton atty



# UNITED STATES PATENT OFFICE.

PETER AUGUST EDUARD SCHEER, OF HAMBURG, GERMANY.

## DEVICE FOR PRODUCING FILLERS FOR CIGARS.

No. 848,130.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed September 24, 1906. Serial No. 336,084.

*To all whom it may concern:*

Be it known that I, PETER AUGUST EDUARD SCHEER, a citizen of and resident in the city of Hamburg, in the German Empire, have invented a certain new and useful Improvement in Devices for Producing Fillers for Cigars, of which the following in a specification.

The present invention refers to a device for making fillers for hand-made cigars; and its object is to improve the production of such fillers in such manner that even unskilled persons are enabled to make fillers of unusual regularity.

According to the present invention the bunch-former is hollowed out according to the shape of the cigar on that part where it touches the bunch, so that in moving across the table the bunch snugly contacts with the ledge and when rolled it attains the desired shape. It is of importance that the bunch-former always moves at right angles with regard to the bunch to avoid the latter being made thicker at one end than at the other. Preferably the rolling-cloth or apron is not arranged directly on the table, but a roller-table is made use of, which is provided with a trough or mold, on which the apron or rolling-cloth laid across the trough is attached at one end, the other end being temporarily held by a holdfast, during which time the apron is brought down into the trough.

In the drawings annexed herewith similar letters refer to similar parts.

Figure 1 illustrates the complete device in elevation, partly in section. Fig. 2 is a plan of the same. Fig. 3 shows part of the device in a vertical section, and Fig. 4 the same in another position.

On a table *a* or other surface there are two side guides *b* and *c*, between which a rolling-table *f*, provided with a trough *g*, is arranged to slide. The trough *g* is preferably made interchangeable, so as to suit different sizes and shapes of cigars. For this purpose the front part *d* of the rolling-table is made adjustable. It is provided with guiding-pieces *h*, that slide in grooves *i* of the rolling-table. On each side there may be also arranged a hook *k*, having several slots *l*, with one or the other of which it hooks on a pin *r*, attached to the part *d* of the rolling-table, according to the size of the trough made use of.

The apron or rolling-cloth *m* is secured with one end to the back part *n* of the rolling-table, the other end hanging down over the

front part *d*, where it may be temporarily held by a clamp *o*, pivotally attached to the rolling-table *f* to serve as a holdfast. On the rolling-table *f* is mounted a frame *t*, having sides *u*, that closely contact with and are arranged to slide along the edges of the rolling-table *f*, so that a parallel guide is obtained. Transversely secured to this frame *t* is a bunch-former *v*, hollowed out at *w* to correspond to about one-fourth of the circumference of a cigar. When this former is moving across the rolling-table *f*, the sides *u* of its carrier-frame prevent its departure from alignment on any part of its travel and maintain the ends of bunch equal.

The device is handled in the following manner: The frame *t* is first removed from the rolling-table *f* and the latter is moved to the front edge of the table *a*, which is preferably rounded off, as at *p*, so that the ledge *o* may drop down into the position shown in Fig. 3. The apron *m* is then smoothed out on the rolling-table *f*, allowing the front end to hang over the front part *d* of the rolling-table, whereupon the attendant presses the apron down into the trough *g* with his finger in such a way that the trough is practically lined with the cloth of the apron. Hereupon the rolling-table is pushed backward, the ledge *o* mounting the table and clamping the end of the apron against the outer edge of *d*, as shown in Fig. 4. Now preferably a leaf of tobacco which is to serve as an inner wrapper is laid on the apron so as to allow one edge of the same to project into the trough and then the latter is filled with the tobacco to form the filler. This being done, the rolling-table is again brought to the front of the table *a* to allow the clamped end of the apron to be released, which is then thrown backward, however, only so far that the tobacco inside of the trough is not disturbed. The frame *t* now is put on close to the trough in such position that the free end of the apron projects out backwardly between the bunch-former *v* and the rolling-table *f*. The attendant or person now catches hold of this end of the apron and pulls it on farther backward, thereby also moving the frame *t* in the same direction. By these means the tobacco is first lifted up out of the trough and then rolled, thereby pressing against the hollowed portion *w* of the bunch-former *v*, which not only serves to give the filler the requisite pressure, but also greatly improves the appearance of the same.



Thus while at the same time the inner wrapper is wound about the filler the latter attains a shape of great regularity and evenness. The filler is then ready to receive the usual outer wrapper.

The bunch-former *v* may be made detachable from the frame, so as to enable its being interchanged by a bunch-former hollowed out to suit some other cigar shape.

I claim—

1. A device of the character described, comprising a movably-mounted rolling-table, an apron attached thereto at one end, means to automatically clamp the free end of the apron to the rolling-table and release it therefrom, and a bunch-former hollowed out to suit the shape of the cigar operated by the apron.

2. A device of the character described, comprising a movably-mounted rolling-table, an apron attached thereto, a bunch-former movably mounted on the rolling-table and adapted to be moved along the table by the apron, and means to guide the bunch-former in a plane parallel to the table.

3. In a device of the character described the combination of a rolling-table constructed to slide on a suitable support, an apron attached to said table at one end, a frame carrying a bunch-former hollowed out to suit the shape of a cigar, a clamping-ledge pivotally attached to the rolling-table and adapted to clamp the other end of the apron against the front end of the rolling-table.

4. In a device of the character described, the combination with a supporting member, of a rolling-table adapted to slide thereon, a frame movably mounted on the rolling-table,

and a bunch-former hollowed out to suit the shape of a cigar carried by the frame.

5. In a device of the character described, the combination with a supporting member having parallel guides mounted thereon, of a rolling-table adapted to slide between the guides, a frame having sides adapted to slide along the edges of the table, and a bunch-former hollowed out to suit the shape of a cigar transversely secured to the frame.

6. In a device of the character described, the combination with a supporting member having parallel guides mounted thereon, of a rolling-table adapted to slide between the guides, an apron attached to the rolling-table, a frame having sides parallel to and adapted to slide along the edge of the rolling-table, a bunch-former hollowed out to suit the shape of a cigar, transversely secured to the frame and adapted to be moved along the table by the apron.

7. In a device of the character described, the combination with a supporting member having a rounded end, of a grooved member adapted to slide on the supporting member, an end member having guides mounted in the grooved member, a trough interposed between the grooved and end members, means for locking said members to the trough, an apron secured to the grooved member adapted to project over the end member, a frame slidably mounted on the grooved member and a former carried by the frame.

PETER AUGUST EDUARD SCHEER.

Witnesses:

CHARLES HARRY RAECKNER,  
IDA HAFFERMANN.