

W. GOSS.
SMOKER'S OUTFIT.

APPLICATION FILED MAY 18, 1907. RENEWED SEPT. 30, 1909.

956,701.

Patented May 3, 1910.

2 SHEETS—SHEET 1.

Fig. 1

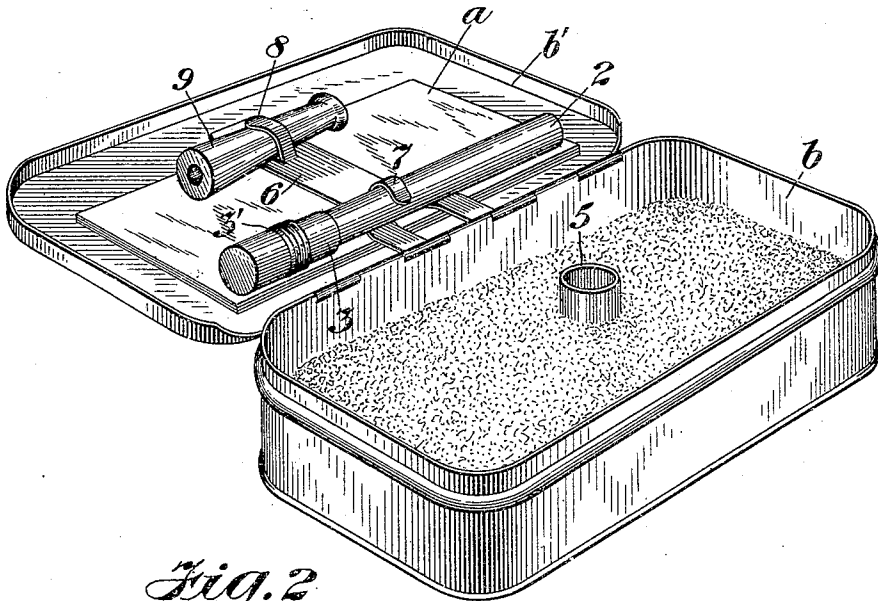


Fig. 2

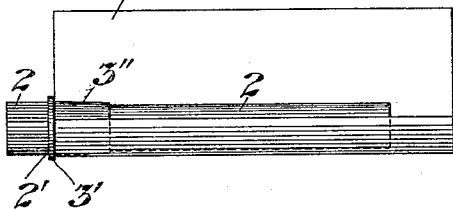


Fig. 3

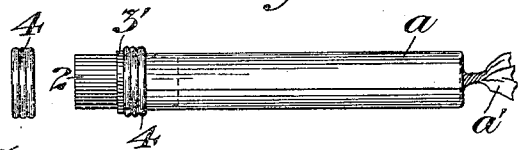
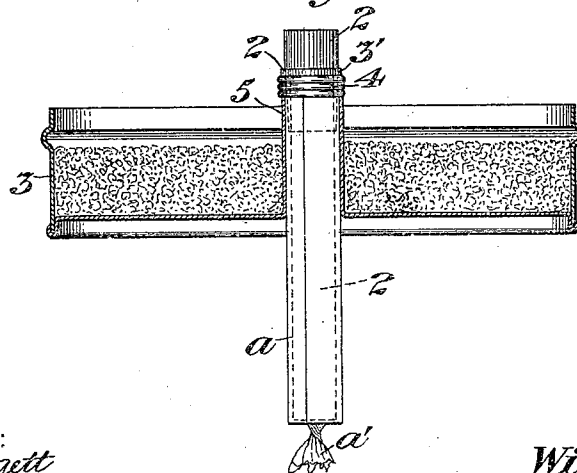


Fig. 4



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2 SHEETS—SHEET 2.

Fig. 5

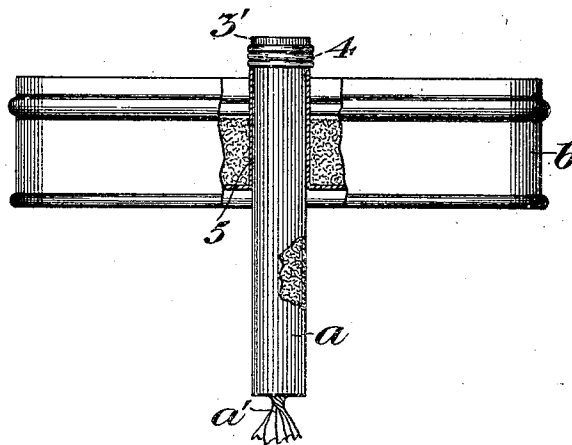


Fig. 8

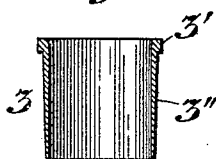


Fig. 6

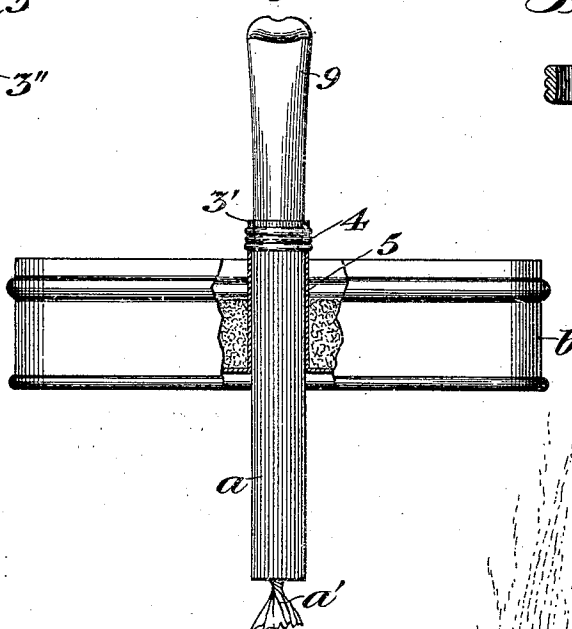
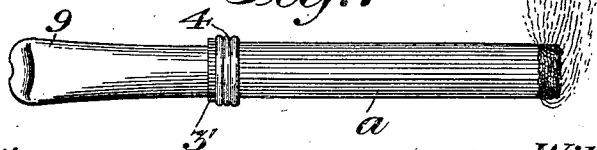


Fig. 9



Fig. 7



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UNITED STATES PATENT OFFICE.

WILLIAM GOSS, OF NEWARK, NEW JERSEY.

SMOKER'S OUTFIT.

956,701.

Specification of Letters Patent.

Patented May 3, 1910.

Application filed May 18, 1907, Serial No. 374,437. Renewed September 30, 1909. Serial No. 520,379.

To all whom it may concern:

Be it known that I, WILLIAM GOSS, a citizen of the United States, and resident of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Smokers' Outfits, of which the following is a specification.

My invention relates to a smoker's outfit adapted to be employed in the making of individual cigarettes.

It comprises a mandrel and other parts to be used in the making of the cylindrical wrapper and filling the same to produce a cigarette, and a box or carrier in which these parts may be carried, besides serving as a receptacle for the loose tobacco to be used in filling the cigarettes.

Referring to the drawings—Figure 1 is a perspective view of a tobacco box having its lid thrown back and showing the several parts of my invention supported therein. Fig. 2 is an elevation of the mandrel or former illustrating the manner of rolling the piece of cigarette paper thereon. Fig. 3 is an elevation of the parts shown in Fig. 2, illustrating a step in the making of a cigarette in advance of that represented in Fig. 2. Fig. 4 is an elevation, partly in section, showing the means of supporting the paper tube when the same is to be filled, and illustrating the next step in the manufacture of a cigarette. Fig. 5 is an elevation, partly in section, similar to Fig. 4, after the cigarette wrapper has been filled. Fig. 6 is a view, similar to Fig. 5, illustrating the manner of attaching the mouth-piece. Fig. 7 is a view of the completed cigarette ready for use. Figs. 8 and 9 are sectional views of a ferrule and coacting ring, respectively, between which the cigarette paper is held.

In the drawings, 2 indicates a cylindrical mandrel about which the sheets of cigarette paper, *a*, are rolled. 3 indicates a ferrule adapted to be removably located on said mandrel, and which is provided with an annular flange or rib 3' that operates as a guide to assist the user in placing and rolling the paper into cylindrical form, as illustrated in Fig. 2. The ferrule is separable from the mandrel, but is adapted to fit the latter quite closely against a shoulder 2' thereon, so that the two parts, mandrel and ferrule, operate as a single device in those manipulations which result in the formation of the tubular cigarette wrapper. The skirt

or cylindrical portion 3'' of the ferrule is a little greater in circumference than the mandrel, and preferably flares a little, as clearly represented in Figs. 2 and 8, this construction facilitating the easy withdrawal of the mandrel from the wrapper, leaving the latter a hollow tube to be filled with the loose tobacco.

4 indicates a ring adapted to be slipped over the mandrel and the wrapper thereupon and into engagement with the skirt of the ferrule, as indicated in Fig. 3. It serves to coöperate with the ferrule to hold the wrapper in place, preventing it from unrolling, and at the same time constituting a collar that is employed in holding the cigarette wrapper in position while being filled.

5 indicates a hollow cylindrical-shaped tubular support into which the paper tube is inserted and by which it is held while the tobacco is being inserted therein.

As illustrated in the drawings, the support 5 is preferably mounted in a box *b*, that serves to hold the tobacco used in filling the cigarettes. This support preferably extends from the central portion of the bottom of the box and is secured thereto in any suitable manner. It is of such height that the cover or lid *b'* of the box when closed lies closely over the upper open end of the tube and prevents the escape of the tobacco there-through, it being understood that the bottom of the box is perforated in alinement with the opening of the tube.

In order that the several parts of my invention may be conveniently carried in the pocket, I have provided means for supporting the mandrel and other parts directly in the tobacco box. For this purpose I provide a spring-plate or clamp 6, secured at one end to the inside of the cover *b'*. This plate operates to hold the sheets of cigarette paper *a*.

7 indicates a spring clip near one end of the plate 6, preferably struck up therefrom, and arranged to support the mandrel 2. Near the other end of the plate 6 is another spring clip 8 adapted to removably support a mouth-piece 9.

Having described the parts of my invention, the manner of forming a cigarette may now be set forth. A sheet of cigarette paper is removed from under the clamp plate 6 and rolled on the mandrel 2 to form the tubular wrapper. After this has been formed the ring 4 is slipped over the same

and against the flange 3' of the ferrule. The end of the wrapper, which extends beyond the mandrel, is then twisted upon itself, as indicated at a', so as to close the lower end of the tube, this step being represented in Fig. 3. The tube, while still on the mandrel, is then inserted into the tube or support 5 with the ring 4 resting upon the upper edge thereof, the parts being now arranged as shown in Fig. 4. The mandrel is then removed, leaving the paper wrapper, clamped at its upper end between the ferrule and cooperating ring, supported within the tube 5. The tubular wrapper is now in position to receive the tobacco which is fed thereinto in any suitable manner or by any convenient means, the tobacco being taken from the box b. Any tobacco that may spill over during the act of filling the wrapper is caught in the box owing to the location of the tube 5. The cigarette thus formed may be removed from its support and used either with or without a mouth-piece, other than that formed by the ferrule and ring 3—4. I prefer, however, to use a separate mouth-piece 9, the end of which is adapted to be removably stuck into the ferrule, as shown in Figs. 6 and 7. It will be understood of course that the ferrule 3 and ring 4 are to be used over and over again, not being thrown away when the cigarette is consumed.

From the foregoing description it will be seen that by mounting the supporting tube 5 within the tobacco box, the loose tobacco is not scattered about and lost during the filling operation; and also that all the parts of the apparatus may be conveniently supported within the box, thus being always at hand and ready for immediate use.

What I claim is:

1. A smoker's outfit, comprising a box for holding loose tobacco, a mandrel on

which are rolled cigarette wrappers, and a support mounted within the box for holding the wrapper after removal from the mandrel and while being filled, substantially as set forth.

2. A smoker's outfit, comprising a box for holding loose tobacco having a movable cover, and a tubular support for holding a cigarette wrapper while it is being filled rising from the bottom of the box, the cover being arranged to fit over and close the upper open end of the tubular support when in place upon the box, substantially as set forth.

3. In a smoker's outfit, the combination of a mandrel about which the cigarette paper is wrapped, a separable ferrule at one end thereof provided with an annular rib arranged to operate as a guide for the paper, and a ring arranged to be slipped over the ferrule and cooperate therewith in holding the paper after it has been formed into a tubular wrapper, substantially as set forth.

4. In a smoker's outfit, the combination of a mandrel upon which the cigarette wrapper is formed, a separable ferrule adapted to be applied at one end of the mandrel and having an annular rib arranged to constitute a guide in placing the paper, a ring adapted to be slipped over the ferrule and cooperate therewith in holding the wrapper after it has been formed on the mandrel into a tube, and a support in which the tubular cigarette wrapper is inserted while being filled, substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 4th day of May, A. D. 1907.

WILLIAM GOSS.

Witnesses:

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