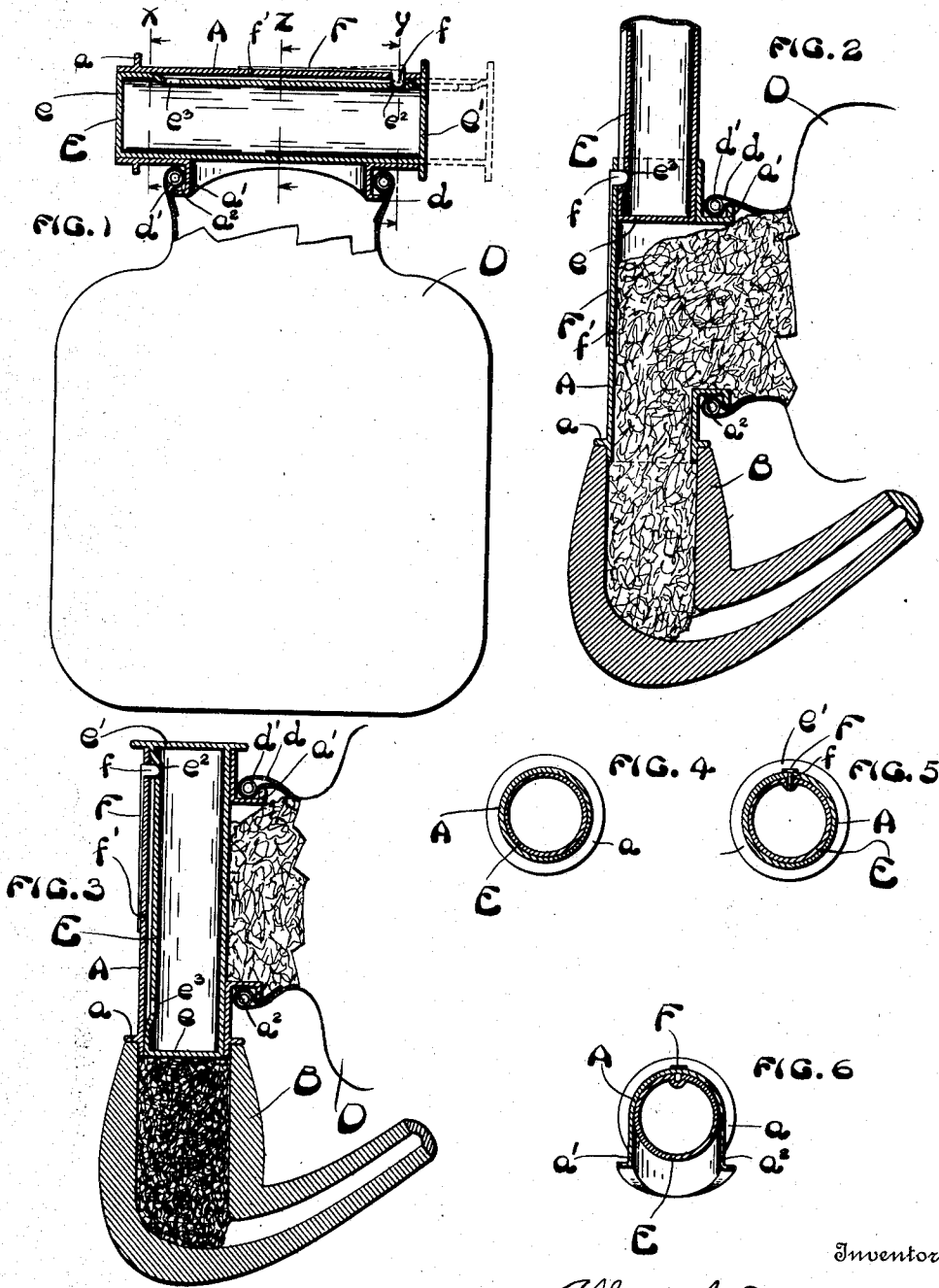


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TOBACCO PIPE CHARGER.
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1,015,357.

Patented Jan. 23, 1912.



Witnesses

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TOBACCO-PIPE CHARGER.

1,015,357.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT I. STRAUS, a citizen of the United States of America, and resident of Cincinnati, county of Hamilton, and State of Ohio, have invented certain new and useful Improvements in Tobacco-Pipe Chargers, of which the following is a specification.

The object of my invention is a device adapted to receive tobacco from a pouch and compress tobacco evenly into the bowl of the pipe by a simple operation, and without waste of tobacco, and without bringing the tobacco into contact with the fingers of the smoker.

In the accompanying drawings, forming a part hereof, and in which similar parts are indicated by the same reference letters in the various views, Figure 1 is a longitudinal sectional view of a tobacco pipe charger embodying my invention, the bag being shown partly in elevation and partly in section. Fig. 2 is a sectional view of the device shown in the operation of filling a pipe, with the plunger raised. Fig. 3 is a view similar to Fig. 2, but showing the plunger in its lowermost position. Fig. 4 is a sectional view on line *x* of Fig. 1. Fig. 5 is a sectional view on line *y* of Fig. 1. Fig. 6 is a sectional view on line *z* of Fig. 1.

Referring to the parts:—cylindrical barrel, A, is of the diameter of the size of the opening, such as is usually found in tobacco pipes, and has at one of its ends a circular flange, *a*, to rest upon the bowl, B. Upon the side of the barrel is an elongated opening, surrounded by an elongated flange, *a'*, which is outturned to form a groove into which the mouth of the bag fits. The mouth, *d*, of the bag, D, may be secured in the groove, *a'*, by tightening the drawstrings in the mouth of the bag, or the bag may have a coiled spring, *d'*, located in the walls of its mouth. This coiled spring may be extended to permit the mouth to fit over the flange, *a'*, and when released will grip the mouth of the bag into the groove, *a'*.

Within the barrel, A, is a plunger, E, whose end, *e*, fits snugly against the walls of the barrel. The walls of the plunger fit the internal walls of the barrel snugly, so that tobacco cannot lodge between them. Upon the end of the plunger is a plate *e'*, which in the closed position of the plunger, rests upon the end of the barrel. I have

provided a means of holding the plunger with a yielding pressure, either in its retracted or its extended position. This means consists of a spring, F, which has a lug, *f*. The spring is secured to the barrel at *f'*, and the lug *f*, at its free end projects through an opening in the barrel. The plunger has notches, *e*², *e*³, in one of which the lug, *f*, fits in the extended or the retracted position of the plunger.

The operation of the device is as follows:—After the tobacco pouch, D, is filled with tobacco, the elastic mouth of the pouch is engaged with the flange, *a'*, and the charger and the pouch are kept thus secured together, until it is desired to refill the pouch. When the charger is inoperative, the plunger is in its retracted position, in which its walls close the opening in the side of the barrel. In charging a pipe, the end of the barrel being inserted into the bowl, B, with the flange, *a*, resting thereon, the plunger is drawn outward to the position shown in Fig. 2, tobacco is forced into the barrel by the compression of the pouch. The plunger is then forced inward, carrying the charge of tobacco into the bowl. The plunger is then drawn outward again and an additional amount of tobacco is forced into the barrel by compression of the pouch, and the plunger is again forced downward. This operation is repeated until the bowl is filled to the point desired. The plunger, in passing the opening in the barrel, cuts the tobacco evenly and carries it before it into the bowl, and packs it evenly therein.

What I claim is:—

1. A tobacco pipe charger comprising a barrel with an opening in its side and a flange surrounding the opening and adapted to enter the mouth of a tobacco pouch, and a plunger in the barrel and adapted to be reciprocated therein the walls of the plunger, when in its retracted position, closing the opening in the barrel.

2. A tobacco pipe charger comprising a barrel having an opening in its side and a grooved flange around the opening, and a plunger within the barrel fitting against the sides of the barrel and adapted to be reciprocated therein.

3. The combination of a tobacco pipe charger comprising a cylindrical barrel having a flange at its lower end adapted to rest

upon top of a tobacco pipe and having in
its side an opening surrounded by a flange,
and a cylindrical plunger fitting snugly
within the cylindrical barrel, having its
5 inner end closed and being adapted to be
reciprocated within the barrel to force to-
bacco from the barrel into a tobacco pipe,

and to close the opening in the barrel when
in its retracted position.

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