

A.C. Breckenridge,

Pipe Cartridge.

No. 51,255.

Patented Nov. 28. 1865.

Fig. 1.

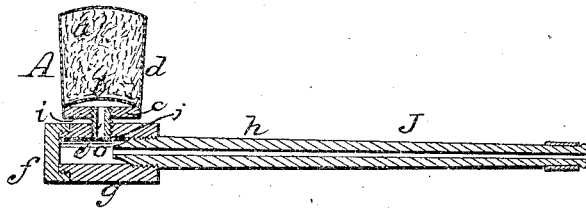
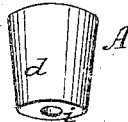


Fig. 2.



Witnesses.

C. L. Topliff.
Henry Morris.

Inventor

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN TOBACCO-CARTRIDGES.

Specification forming part of Letters Patent No. 51,255, dated November 28, 1865.

To all whom it may concern:

Be it known that I, A. C. BRECKENRIDGE, of Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Tobacco-Cartridges; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a sectional view of a tobacco-cartridge made after my invention, the pipe in connection with which it is to be used being also shown; Fig. 2 shows an elevation of the cartridge.

Similar letters of reference indicate corresponding parts.

My invention consists in a new method of constructing the cartridge, as hereinafter explained.

A is the cartridge, composed of a capsule, *d*, which envelops it on all sides, of a stiff bottom, *c*, of paper, pasteboard, or other suitable material, and of the tobacco *a*, which is inclosed within the capsule, as shown. Fig. 1 also shows a supporting perforated plate, *b*, of metal or other stiff material, placed above the bottom *c* and beneath the charge of tobacco, so as to form a complete diaphragm between them; but this diaphragm is not essential to the carrying out or the success of my invention. The cartridge is made by forming the bottom *c* of suitable size as to thickness and diameter, of round form, and with a small opening, *i*, in its center. This bottom is to be inclosed within the capsule, which is to be then filled with tobacco and inclosed at top, substantially after the manner shown and described in the Letters Patent granted March 31, 1863, to Edward J. Mallett, of the city of New York, or in any other suitable manner.

The cartridge may be of any shape to suit the fancy or convenience of the maker. They may be made in any form of bed which has depth equal to the height of the cartridge.

The capsule should be of such a character as not to detract from or injure the flavor of the

tobacco or interfere with the combustion in the process of smoking.

The bottom *c* of the cartridge is of sufficient strength and consistency to answer as a support for the cartridge while it is being smoked, and it furnishes the means whereby it is secured to a pipe or mouth-piece, *J*. The pipe *J* consists of a hollow stem, *h*, which is connected by a screw or other joint to a chamber, *g*, into which it extends a short distance. Its end *o* is beveled or pointed, so as to be free or clear of the sides of the chamber.

The chamber *g* may be cylindrical in form or of any other shape, and it is to be furnished at its outer end with a cover, *f*, which may be taken off from time to time, in order to cleanse the chamber *g* of nicotine and saliva which will collect therein; or if its outer end is solid, then it should be provided with a bulb or lower chamber beneath for that purpose.

A short tube, *e*, is fixed in the side of the chamber *g*, in an opening, *j*, made for that purpose, communicating with its interior. The tube *e* projects above the chamber, and it has a screw-thread cut on it, or its sides are serrated, so as to screw or become fastened into the opening *i* of the bottom *c* of the cartridge. When the cartridge is fixed upon the tube the upper part or top of the capsule is to be punctured, so that when fire is applied thereto the draft will cause combustion to begin on the surface of the cartridge; or the top of the capsule may be thus punctured when it is made.

The cartridge is to be sustained wholly by means of its connection with the tube of the chamber *g*, without any other support, and the bottom *c* is therefore to be of sufficient strength for this purpose.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A tobacco-cartridge constructed substantially as above described.

A. C. BRECKENRIDGE.

Witnesses:

GEORGE W. SMITH,
NELSON MERRIAM.