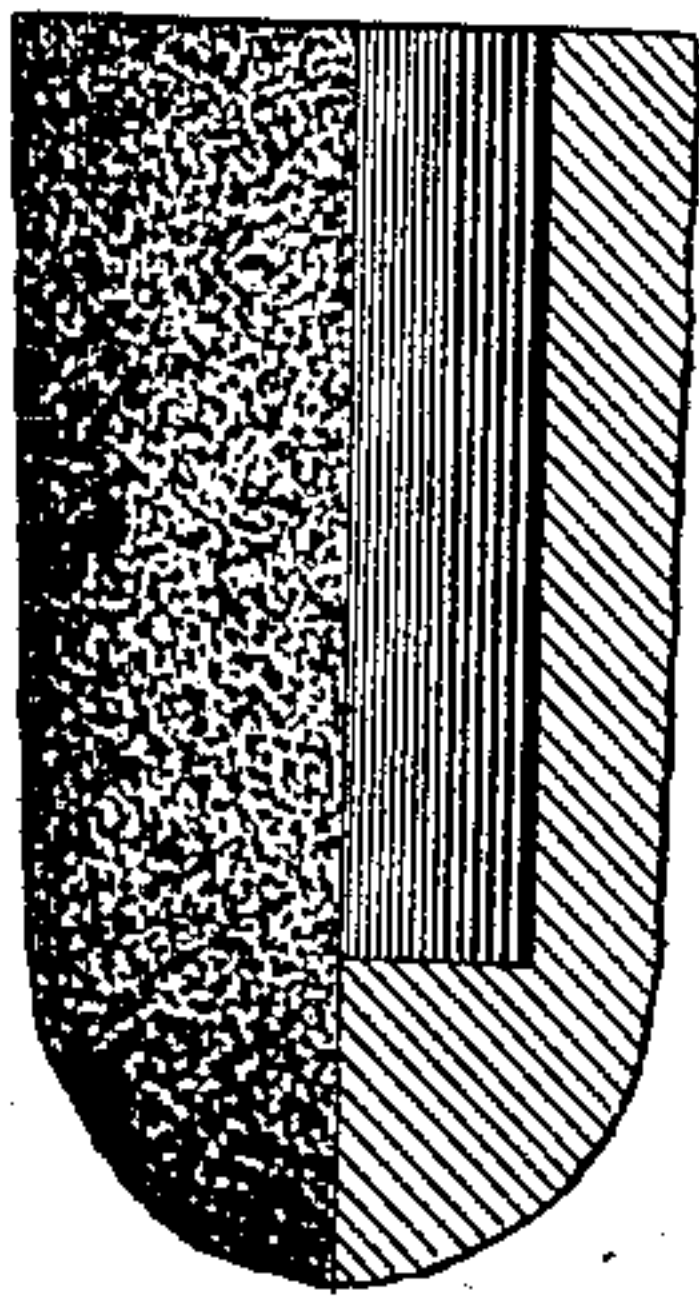


(No Model.)

W. S. BLAKE.  
TOBACCO PIPE BOWL.

No. 387,135.

Patented July 31, 1888.



*Attest:*  
*E. Arthur*  
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# UNITED STATES PATENT OFFICE.

WALTER S. BLAKE, OF ST. LOUIS, MISSOURI.

## TOBACCO-PIPE BOWL.

SPECIFICATION forming part of Letters Patent No. 387,135, dated July 31, 1888.

Application filed May 10, 1888. Serial No. 273,487. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER S. BLAKE, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Tobacco-Pipe Bowls, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

The drawing is a view, part in side elevation and part in vertical section.

My invention relates to an improvement in tobacco pipe bowls; and it consists, broadly, in a bowl made of comminuted or disintegrated corn-cobs mixed with a suitable cementitious matter and pressed into shape, as more fully described hereinafter.

The invention consists, further, in a pipe-bowl having an outside coating composed of certain ingredients, as will be hereinafter described.

Referring to the drawing, 1 represents a pipe-bowl, partly in vertical section, made as hereinafter explained.

In carrying out the process, I take a sufficient quantity of the comminuted or disintegrated corn-cobs, and, by preference, dampen it and add a portion of cementitious matter—such as silicate of potash—say, two and one-half parts to twenty parts of the corn-cobs, and form a paste, which is thoroughly mixed and pressed in suitable molds. The molded pipe-bowl is then allowed to dry and harden.

After this it may be lined on the inside with a mixture of two parts of silicate of potash and one part of calcined magnesia, if desired, and the outside may be coated with a mixture of kaolin and white glue, with a consistency of thick paint, put on with a brush, allowed to harden, and afterward fined down smooth with sand-paper, and the surface may then be treated with a gelatine or india-rubber figured stamp, using ordinary printing-ink or any suitable coloring material to form any suitable

figure designed—such as an imitation of the grain of a corn-cob, &c. After this is dry, a gloss or finish of silicate of potash is added, applied with a brush. The stem-hole is then bored, and eyelets or bushings are inserted in the hole, if required, to receive the stem.

In my application, Serial No. 260,115, filed December 24, 1887, I have described, but not claimed, a pipe-bowl made of comminuted corn-cob pressed into shape, which, so far as these features are concerned, is similar to this invention.

I am fully aware that silicate of potash and calcined magnesia have before been used as a fire-proof medium, and I do not profess to be the discoverer of this fact; but I have discovered in these ingredients a new virtue—*i. e.*, that they have no unpleasant taste or smell when burned with tobacco.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. As a new and improved article of manufacture, a pipe-bowl composed of comminuted corn-cob and cementitious matter, as set forth.

2. A corn-cob-pipe bowl having an outside coating of a mixture of kaolin and glue, substantially as described.

3. A pipe-bowl having an inside lining of a mixture of silicate of potash and calcined magnesia and an outside coating of a mixture of kaolin and white glue, substantially as described.

4. A pipe-bowl composed of disintegrated corn-cob pressed into shape, having an inside lining of a mixture of silicate of potash and calcined magnesia and an outside coating of kaolin and glue decorated, and the decorated surface varnished with silicate of potash, substantially as described.

WALTER S. BLAKE.

In presence of—

JOS. WAHLE,

EDWD. S. KNIGHT.