

(No Model.)

I. W. GILES.

TOBACCO PIPE.

No. 252,876.

Patented Jan. 31, 1882.

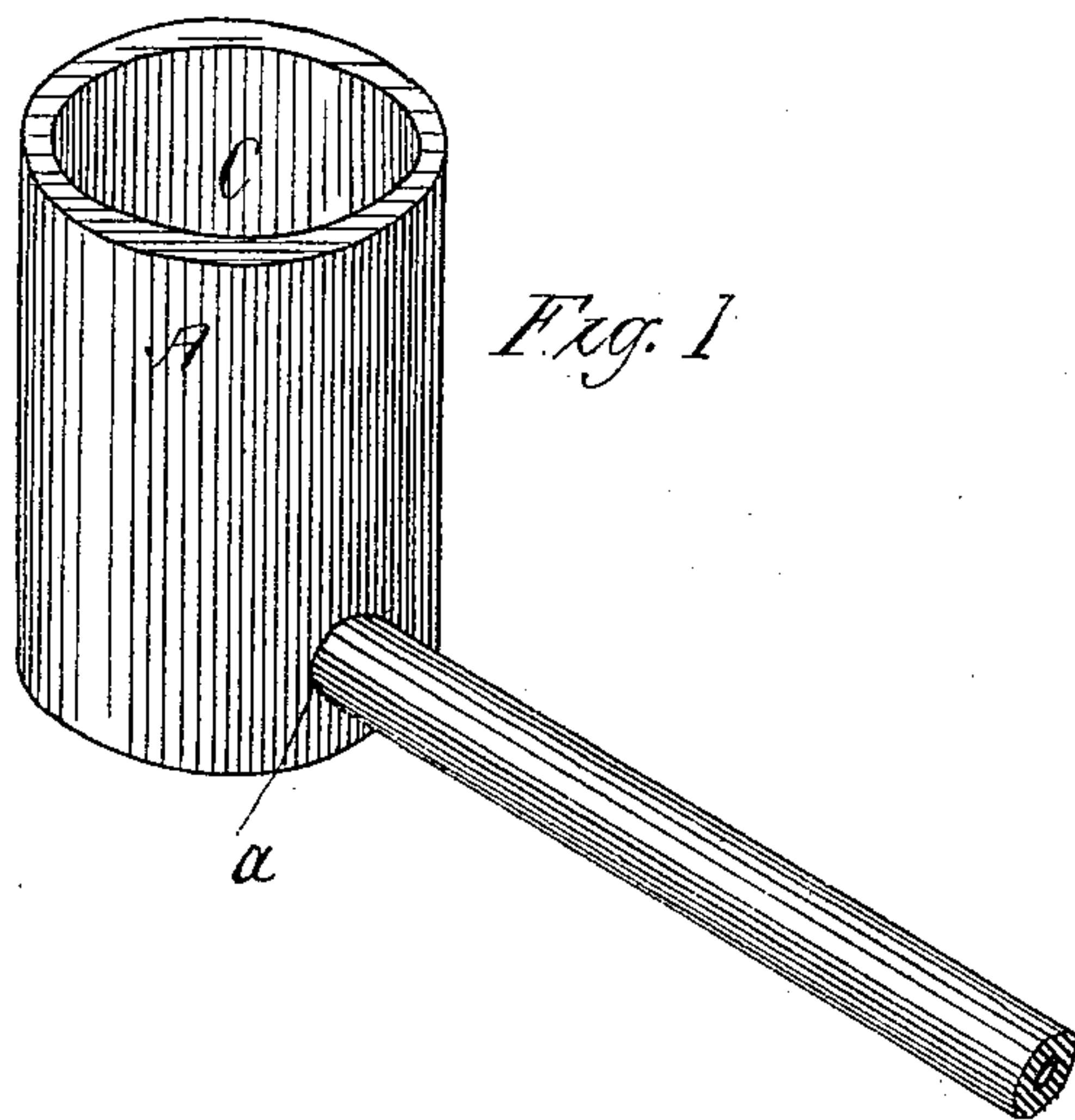


Fig. 1

Fig. 2.

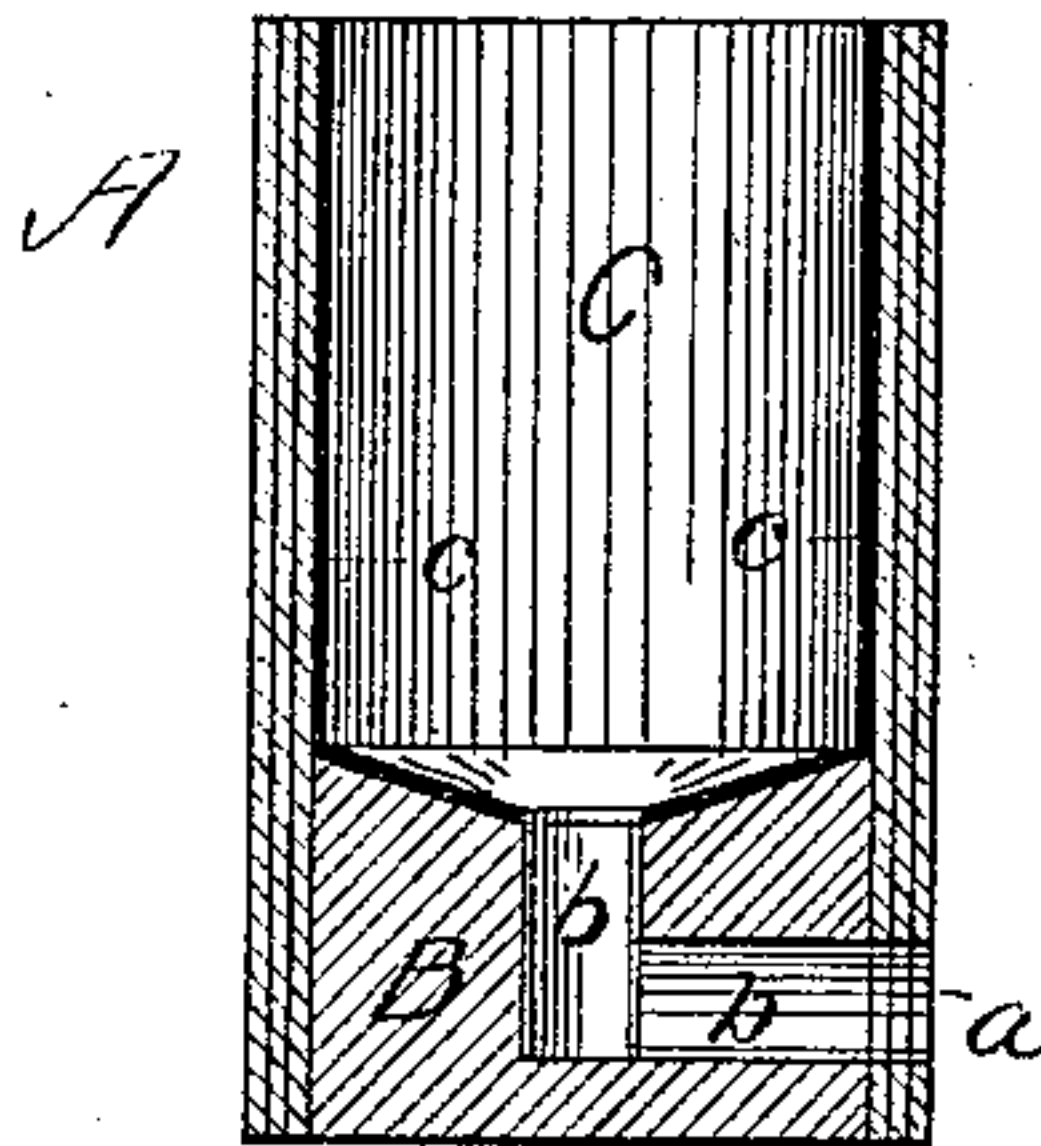
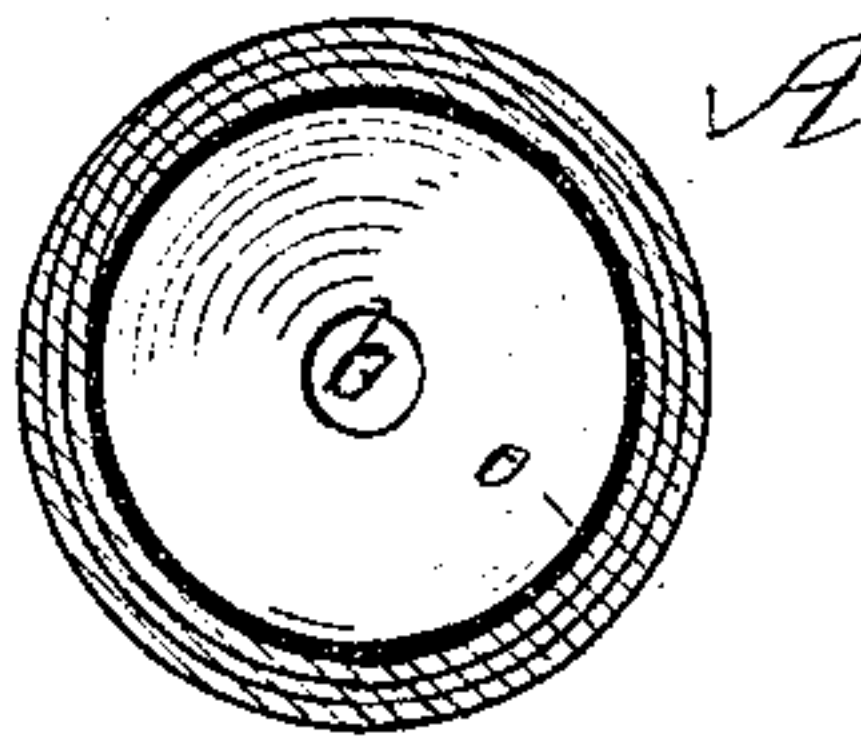


Fig. 3.



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UNITED STATES PATENT OFFICE.

ISAAC W. GILES, OF SOUTH ABINGTON, MASSACHUSETTS.

TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 252,876, dated January 31, 1882.

Application filed March 11, 1881. (No model.)

To all whom it may concern:

Be it known that I, ISAAC W. GILES, of South Abington, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Tobacco-Pipes, of which the following is a full, clear, and exact description.

The bowl of this improved pipe, in substance, is made of paper of two or more thicknesses, formed of the proper and desired shape, and provided with a wooden plug adapted for the entrance and holding of the stem, and to communicate with the tobacco-chamber of the bowl, which chamber is lined or coated with a suitable fire-proof cement, or otherwise rendered fire-proof, and the bowl is exteriorly covered with paper or other suitable sheet material to give a good and fine finish thereto, all substantially as hereinafter more fully described, reference being had to the accompanying plate of drawings, in which—

Figure 1 is a perspective view; Figs. 2 and 3, respectively, a central, vertical, and a cross section through the bowl.

In the drawings, A represents the bowl of the pipe. This bowl is composed of paper, and made of a proper and suitable shape, of one or more thicknesses. It is preferable to make the bowl by rolling a sheet of paper upon a suitable mandrel the number of thicknesses desired, and securing the same with any suitable glue or cement.

At one end of the bowl A is a wooden plug, B, secured in position in any suitable manner—as, for instance, with glue or cement or other adhesive material. This plug B has an opening, *b*, in one side in line with an opening, *a*, in one side of the bowl, for the reception of the pipe-stem, and this opening leads and opens into the tobacco chamber C of the bowl.

c is a fire-proof lining made of cement formed of fire-clay, three parts; whiting, four parts; glue, one part, the whole being mixed with sufficient water to make a thick liquid, and applied in any suitable manner to the inner surface of the tobacco-chamber to protect the paper and wooden plug against the action of heat and fire from the smoking of the pipe.

The paper sheet, before being made into the bowl of the pipe, should be calendered firm and hard, as then it is in itself in a better condition to withstand the heat; and by making the bowl of several thicknesses, as described, having the paper well calendered, the outer surfaces of the paper, from the hard and smooth surface and polish given to it by calendering it, retard the action of the heat upon it. Obviously forming the bowl of several thicknesses, as herein described, will correspondingly retard and diminish the effect of heat upon the bowl, thereby increasing its durability.

The exterior of the bowl can be covered with paper and ornamented or finished in any suitable way; but paper is desirable for the reasons that it is cheap, clean, and easily applied.

The bowl can be of any desired shape in cross-section—that is, circular or octagonal, &c.; also, any fire-proof cement may be used, this invention not being limited to the kind of fire-proof cement.

Instead of rolling the paper, as above described, the bowl can be formed in any desirable manner, so long as two or more thicknesses of paper are used; but it is preferable to roll the sheet of paper, as the several layers can be more firmly and closely secured together.

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

As an improved article of manufacture, a bowl for tobacco-pipes, made of two or more thicknesses of hard-calendered paper, and having one end closed by an inserted wooden plug, the end of which within the bowl and the interior of the bowl are coated with fire-proof material, the bowl and said plug being perforated to receive the pipe-stem, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ISAAC W. GILES.

Witnesses:

EDWIN W. BROWN,
WM. S. BELLOWS.