

No. 627,674.

Patented June 27, 1899.

D. W. SHELLEY.
CHIMNEY FLUE THIMBLE.

(Application filed Mar. 25, 1899.)

(No Model.)

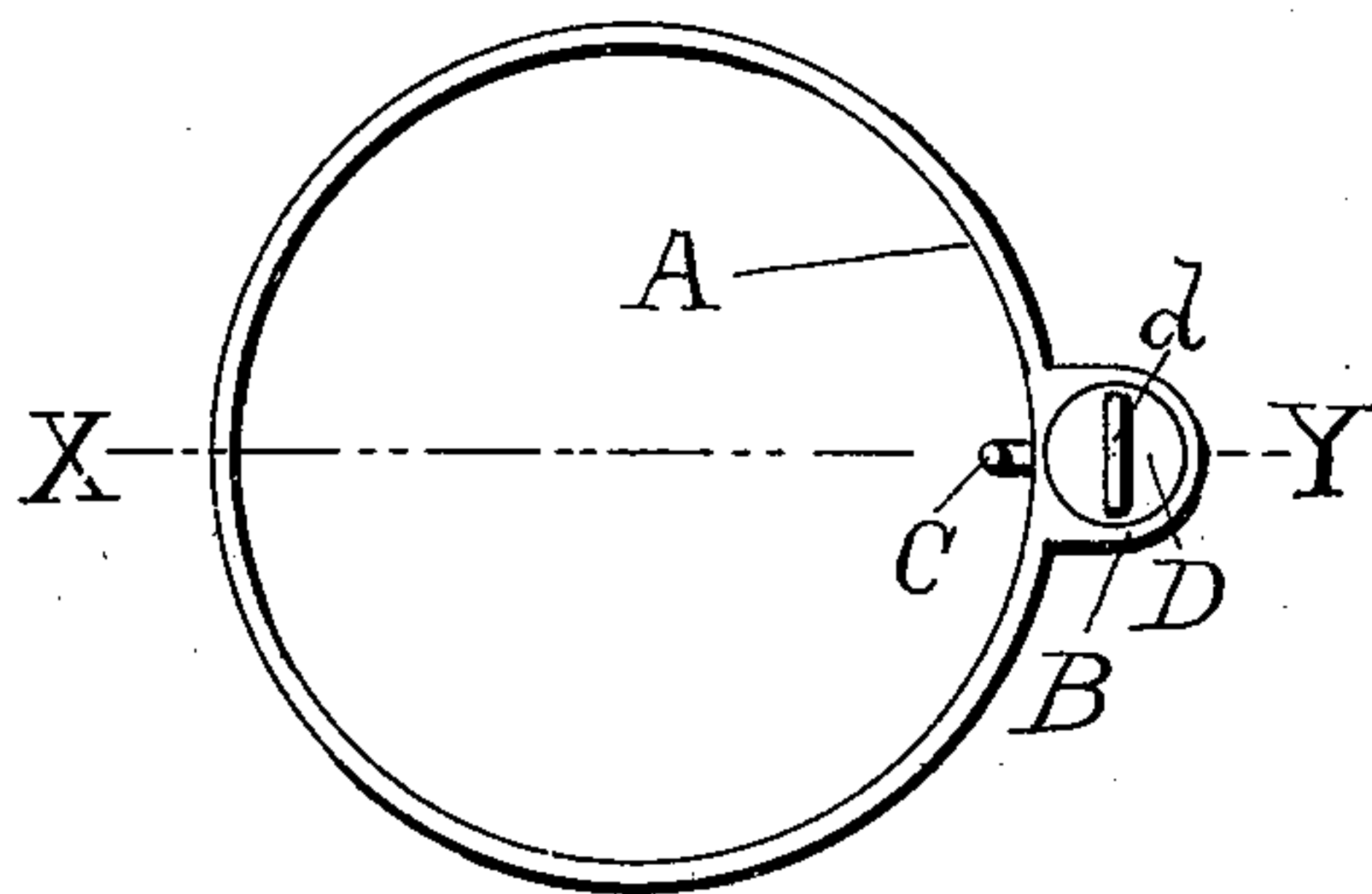


Fig. 1

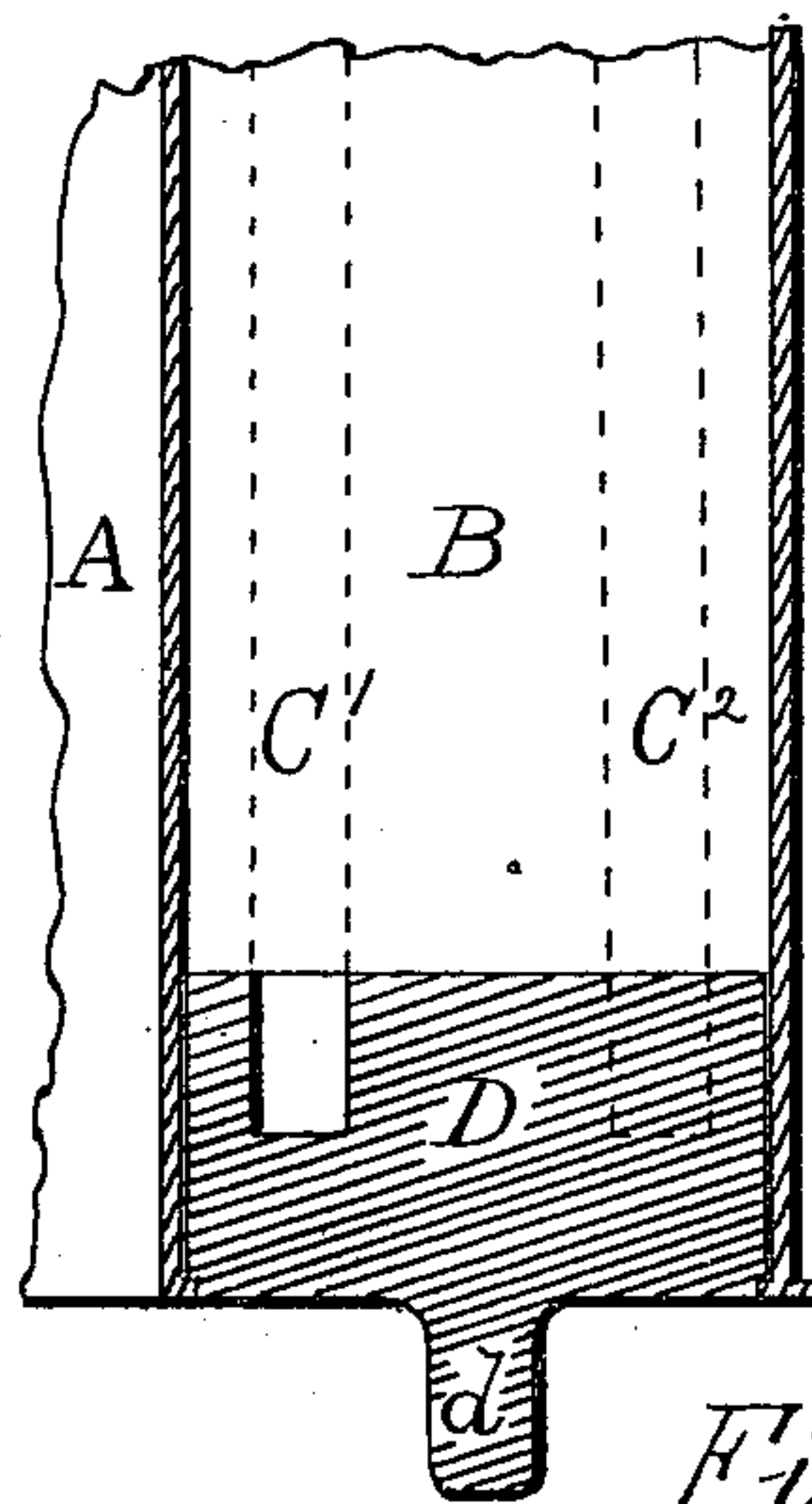


Fig. 3

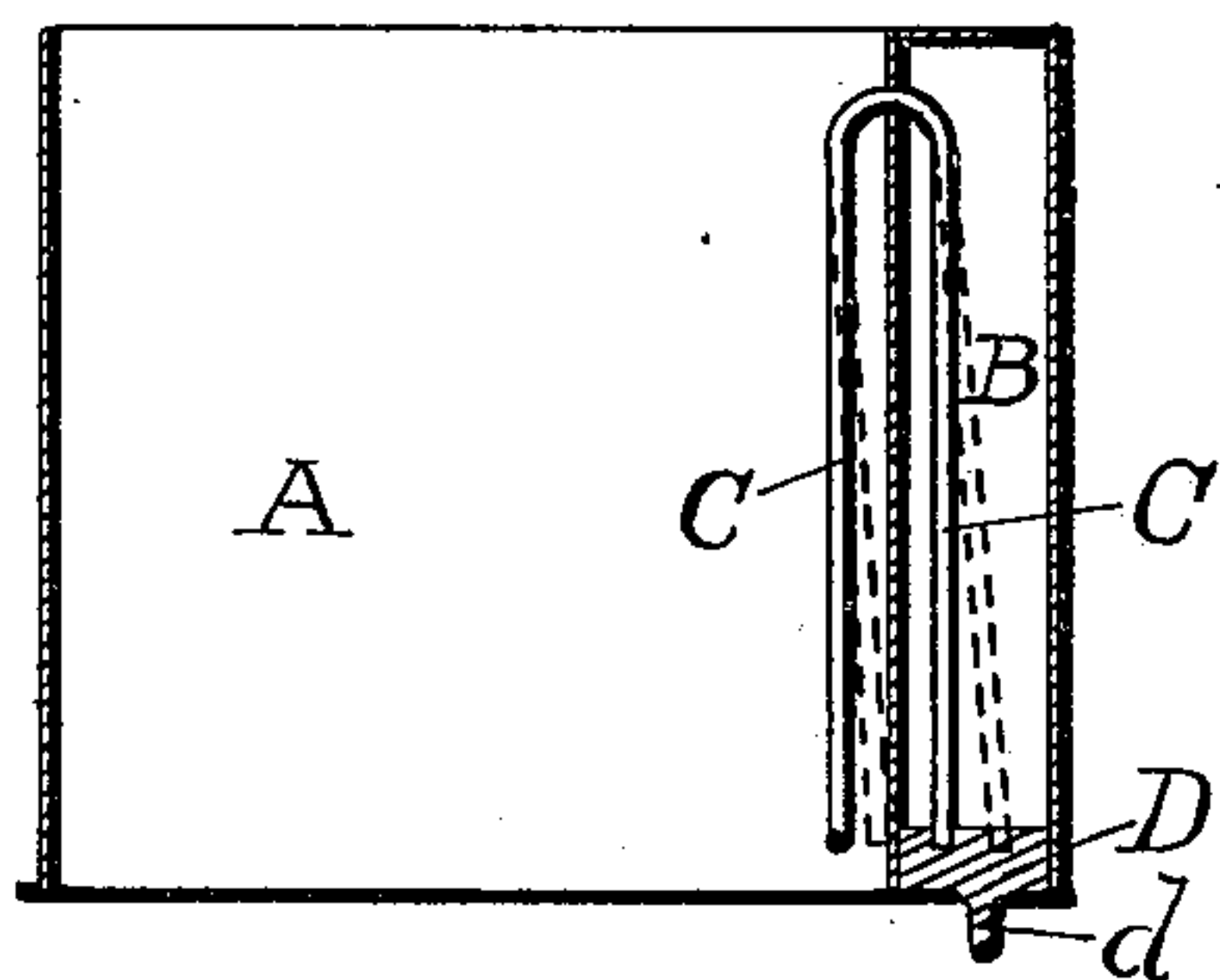


Fig. 2

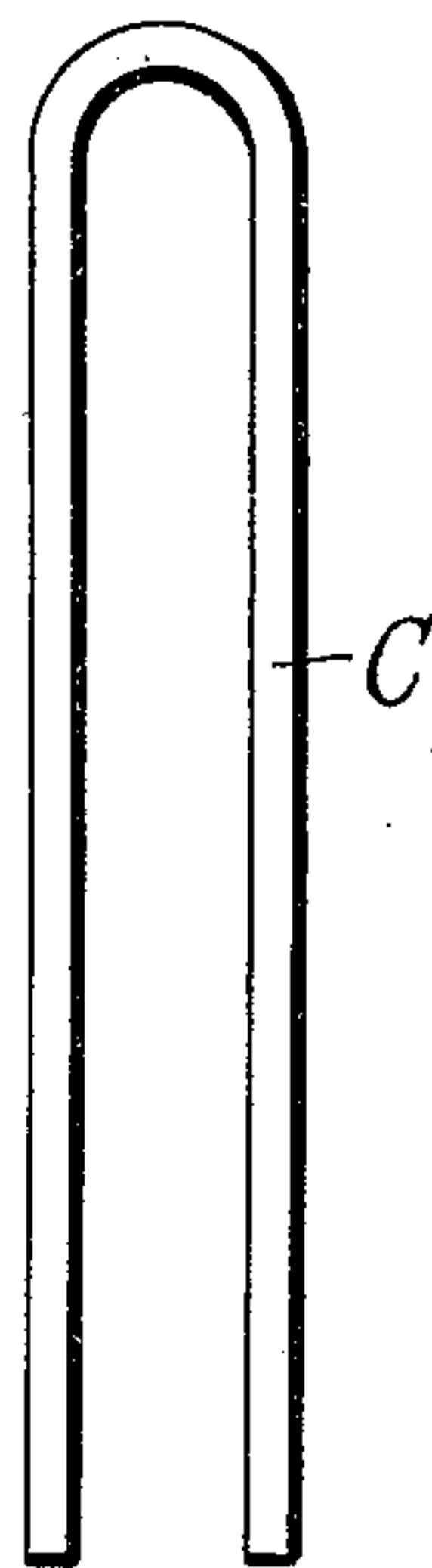


Fig. 4

Witnesses:—

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UNITED STATES PATENT OFFICE.

DANIEL W. SHELLEY, OF WILLIAMSVILLE, ILLINOIS.

CHIMNEY-FLUE THIMBLE.

SPECIFICATION forming part of Letters Patent No. 627,674, dated June 27, 1899.

Application filed March 25, 1899. Serial No. 710,472. (No model.)

To all whom it may concern:

Be it known that I, DANIEL WEBSTER SHELLEY, a citizen of the United States, residing at Williamsville, in the county of Sangamon and State of Illinois, have invented a certain new and useful Improvement in Chimney-Flue Thimbles, of which the following is a specification.

My invention relates to improvements in chimney-flue thimbles in which it is sought to bind the stovepipe in place in the thimble in a secure manner when pushed into the thimble, so that it will not slip out or move without being released.

My invention is illustrated by the accompanying drawings, in which—

Figure 1 is the outer end projection of the thimble; Fig. 2, a section through the thimble on the line X Y; Fig. 3, an enlarged section of the plug D and semicylinder B, showing the two positions of the end of the U-shaped clamp C in the semicylinder B when loose and when clamped; and Fig. 4 is an enlarged view of the U-shaped clamp C.

Similar letters refer to similar parts throughout the several views.

The thimble is composed of the cylindrical thimble A, having along one side a smaller semicylinder B attached. In the outer end of B is a cylindrical plug D, loosely placed, so that it may be revolved in B. In order that D may be easily revolved, the thumb-piece *d* is projected from the outer end of D. The plug D has in its inner end a short distance from its central axis a circular mortise or hole in which the end of one arm of the U-shaped clamp C is placed. When the plug D is revolved in B, the end of C resting in the plug D is carried with it, as illustrated

in Fig. 3, where the dotted lines show the two positions of the end of C, designated as C' when D is in one position and C² when D has been revolved half of a complete revolution. The U-shaped clamp C lies with one arm of the U in B and the other arm in A and at the middle of the curved portion passes loosely through a hole in the side of A, as shown in Fig. 2. When the arm of C in D is in the position of C', Fig. 3, the end of the arm of C in A will be held aloof from the side of A, as shown in Fig. 2; but when the arm of C in B is in the position of C² in Fig. 3 then the end of the arm of C in A will be clamped against the side of A, as shown by the dotted position of C in Fig. 2. This clamp action of the arms of C results from the fact that the curved part of C is practically pivoted in A at the middle of the curve, as shown in Fig. 2. By this means the end of a stovepipe may be substantially clamped to the thimble, so that it cannot be drawn away till the clamp is released.

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

In a chimney-flue thimble the combination of a thimble A, semicylinder B attached to one side of A; the cylindrical plug D set in the end of B and arranged to revolve in B; the U-shaped clamp C the end of one arm of which is inserted in a mortise in D and the other arm forms a clamp with the side of A, all substantially as and for the purposes set forth and described.

D. W. SHELLEY.

In presence of—

H. C. STERLING,
OLIVER HUFFMAN.