(No Model.)

L. E. CLAWSON.

PORTABLE CHIMNEY.

No. 285,112. Patented Sept. 18, 1883.

FIG. 1.

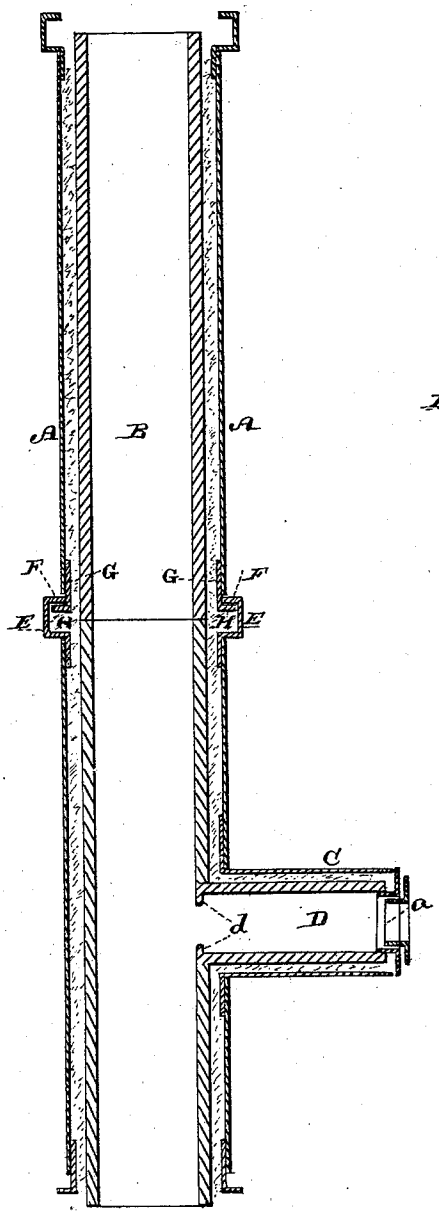


FIG. 2

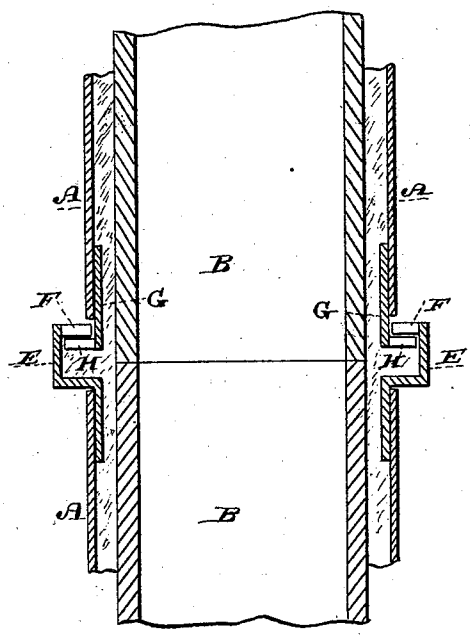
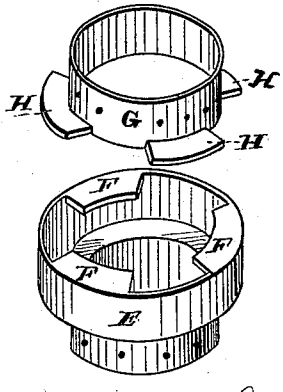


FIG. 3.



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UNITED STATES PATENT OFFICE.

LEONARD E. CLAWSON, OF SAN FRANCISCO, CALIFORNIA.

PORTABLE CHIMNEY.

SPECIFICATION forming part of Letters Patent No. 285,112, dated September 18, 1883.

Application filed April 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, LEONARD E. CLAWSON, of the city and county of San Francisco, State of California, have invented an Improved Portable Chimney; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to certain improvements in chimneys; and it consists in the formation of portable sections of pottery made with inclosing metallic casings, these sections having uniting-couplings, and in connection with these sections thimbles, into which stove-pipes may be inserted, all of which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a vertical section of the chimney. Fig. 2 is a section of the coupling-joint enlarged. Fig. 3 shows a perspective view of the two parts of the coupling.

A is an outer casing, which is made of light sheet metal in suitable lengths, and B is the pottery lining-tube which forms the chimney proper. This inner tube is secured within the outer one by a surrounding body of cement, which is poured in around it, and, filling the space, holds it firmly in place. In sections which are to receive stove-pipes, a short tube, C, projects horizontally from the section, and is lined with an inner pottery tube, D, having a bead or stop, *d*, at the end which connects with the chimney. This bead projects inward and serves as a stop to prevent the pipe being thrust in too far.

At the outer ends of the sections I have rings or thimbles, *a*, of cast-iron, fitting into the end of section, so that any size stove-pipe can be used and fit tight in thimble.

In order to join the ends of the sections and form a rigid chimney, the upper ends of each section have a cast-iron ring, E, riveted to them, having sectional flanges F projecting inward around their upper periphery. The lower ends have rings G riveted to them, having corresponding outwardly-projecting lips or flanges, H, which may be introduced between the sections F and then turned until they are firmly locked together. The ends of the pottery pipes within will meet and thus form a continuous tube, and any number may be set up to make a chimney of any desired height, which will be firm and rigid. Wherever this chimney passes through wooden floors, I employ cast-iron plates having holes in the center sufficiently large to admit the pipes. These plates are fastened to the floor, which is cut out larger than the pipe, and thus support the latter out of contact with the wood-work.

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

1. In a chimney, the sections consisting of the outer casings, A, with the flangeless cement or pottery tubes secured within them, in combination with the coupling-rings having interlocking flanges independent from the pottery tubes, substantially as herein described.

2. In a chimney, and in combination with the smoke-flue, the short section C, with its flangeless pottery or cement lining, and the inwardly-projecting bead *d*, substantially as and for the purpose herein described.

In witness whereof I hereunto set my hand.

LEONARD E. CLAWSON.

Witnesses:

C. D. COLE,

J. H. BLOOD.