

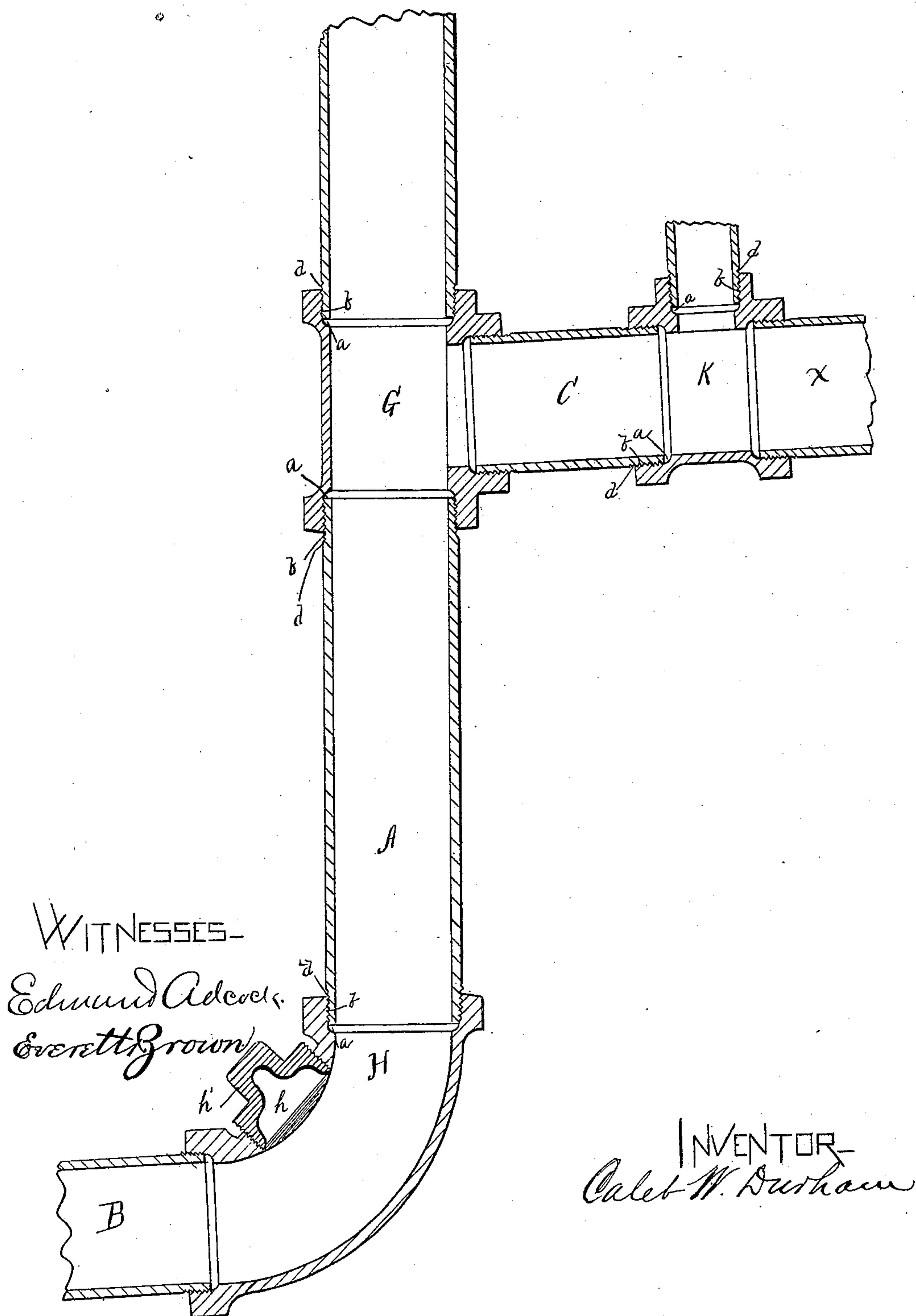
(No Model.)

C. W. DURHAM.

ELBOW FITTING FOR DRAINAGE PIPES.

No. 258,391.

Patented May 23, 1882.



UNITED STATES PATENT OFFICE.

CALEB W. DURHAM, OF CHICAGO, ILLINOIS.

ELBOW-FITTING FOR DRAINAGE-PIPES.

SPECIFICATION forming part of Letters Patent No. 258,391, dated May 23, 1882.

Application filed March 26, 1881. (No model.)

To all whom it may concern:

Be it known that I, CALEB W. DURHAM, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful
5 Improvements in Elbow-Fittings for Drainage-Pipes for Houses and other Buildings, of which the following is a specification.

My invention relates more particularly to an improved elbow-fitting to be used in connection with the system of house-drainage heretofore patented to me, in which iron drainage-pipes united by screw-fittings are employed; and the present invention consists in an elbow-fitting for such drainage-pipes provided with
15 a hand-hole at its inner angle for the removal of obstructions that may become lodged or collected therein.

The accompanying drawing, which forms a part of this specification, represents a sectional
20 view of a device embodying my invention.

In said drawing, A represents a section of the soil-pipe of a building; B, a section of the main drain, or of a branch pipe leading to the main drain, and C is a branch pipe connecting
25 with the soil-pipe by means of the screw T-fitting G. H is an elbow screw-fitting connecting the soil-pipe with the main drain B, and K is a T-fitting connecting the sections of the water-closet pipe C and the branch pipe X.
30 Each of these screw-fittings are made of the same interior diameter as that of the pipe or pipes connected, and are provided with an enlargement or recess, *a*, at their ends, in which the screw-threads *b* are cut. The sections of

the pipe are provided with corresponding threads, *d*, so that the same may be screwed
35 into the fittings. The end of the pipe-section should correspond to the base of the recess *a* in shape, so as to form a close joint and leave no crevice between the end of the pipe-section
40 and base of the recess. The elbow-fitting H is provided with a hand-hole, *h*, and screw-plug *h'* at its inner angle, for the purpose of removing obstructions that may have become lodged at the junction of the vertical soil-pipe
45 and horizontal pipe B.

By this construction the elbow-fitting H may rest upon and be partially embedded in the masonry which supports the vertical soil-pipe without interfering with easy access to the
50 plug *h'* when it is desired to remove the same. And my improved elbow-fitting is specially designed for use with my drainage system heretofore patented to me, and in which iron drainage-pipes connected by screw-fittings and supported on foundations independently of the
55 building are employed, and wherein the necessity for the present improvement is greatly felt.

What I claim is—

The elbow-fitting for drainage-pipes, provided with a hand-hole at its inner angle, substantially as specified.

CALEB W. DURHAM.

Witnesses:

EVERETT BROWN,
EDMUND ADCOCK.