

(No Model.)

J. G. PLOWMAN.

CHALK RACK.

No. 304,233.

Patented Aug. 26, 1884.

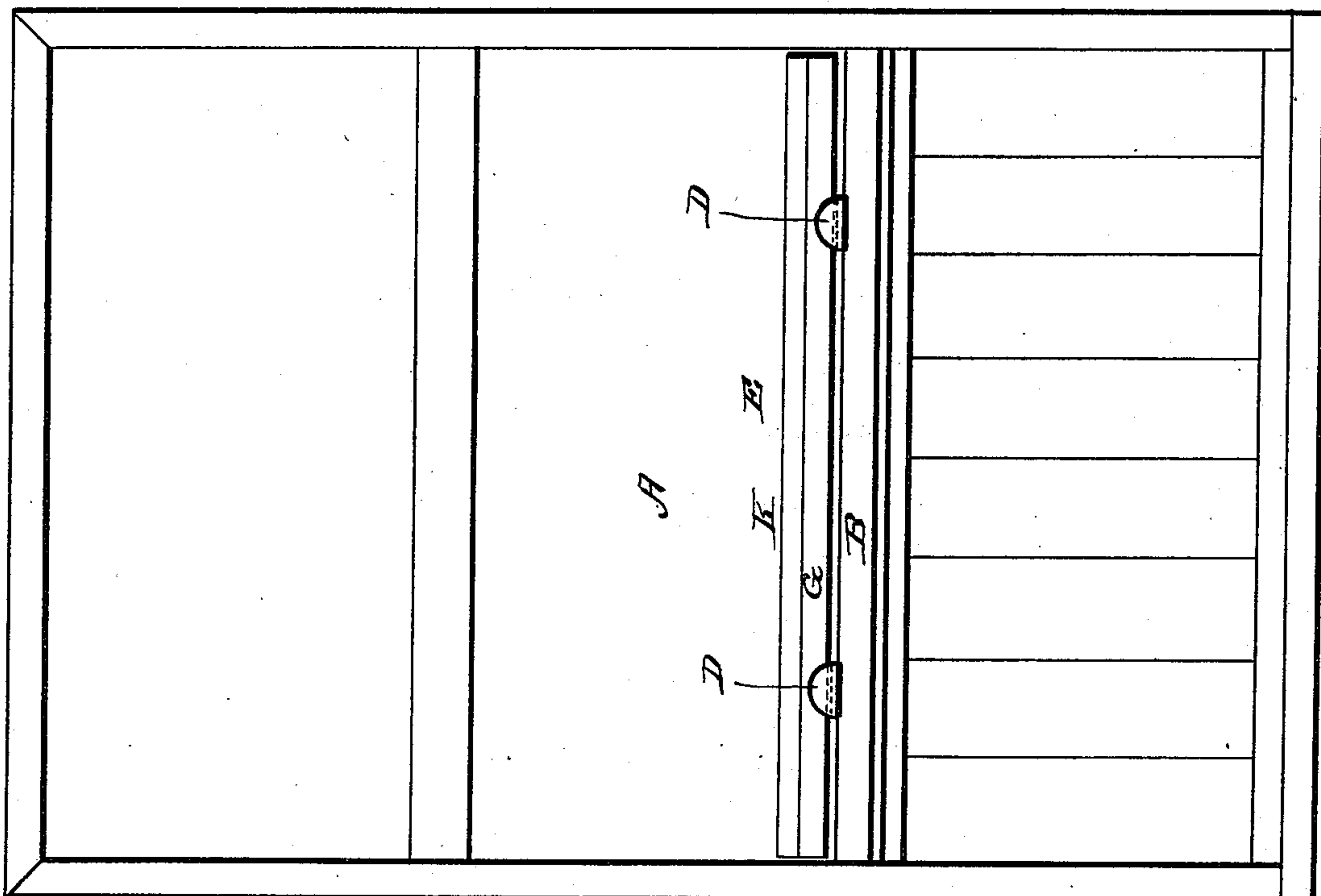
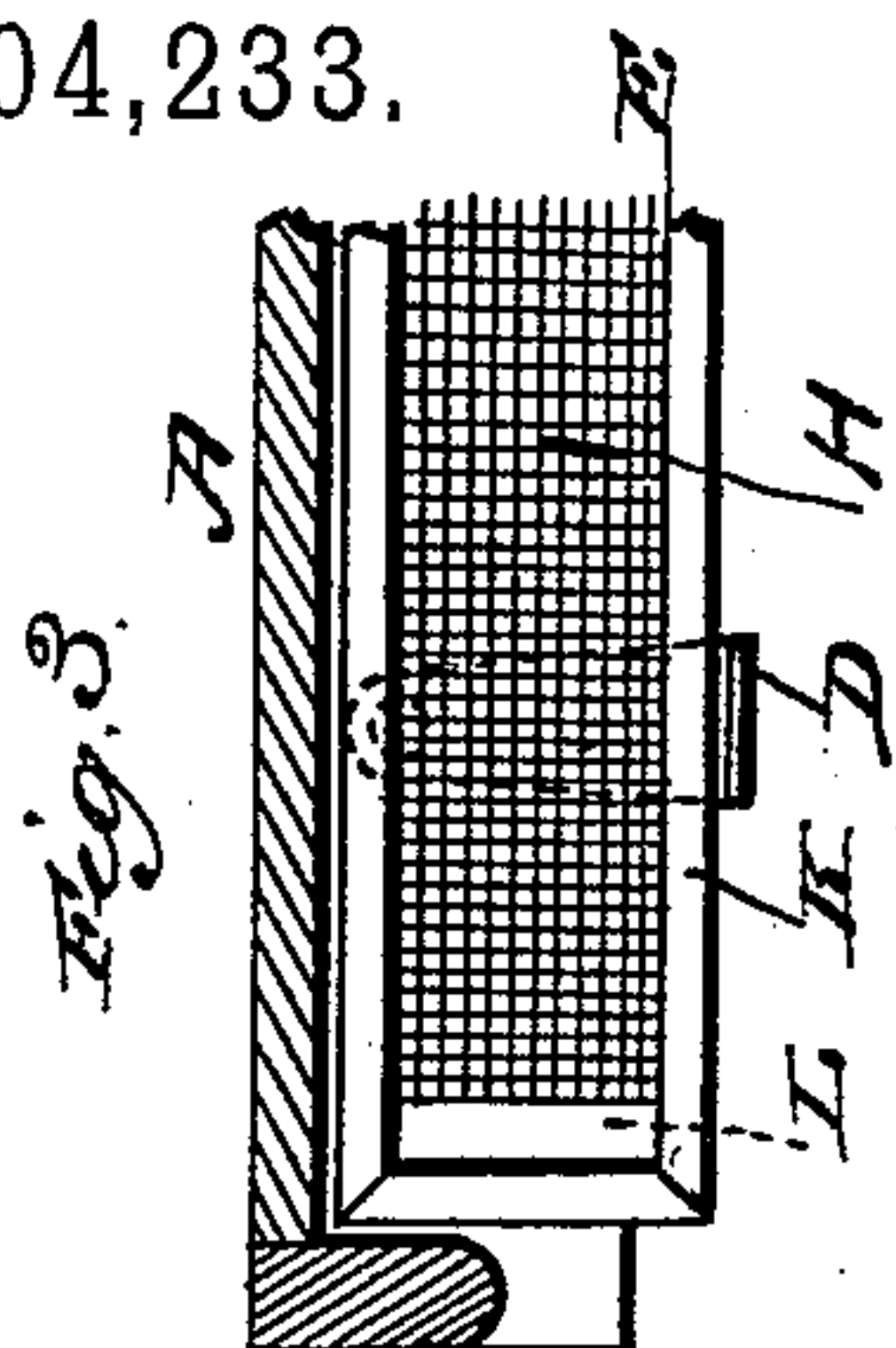


Fig. 2.

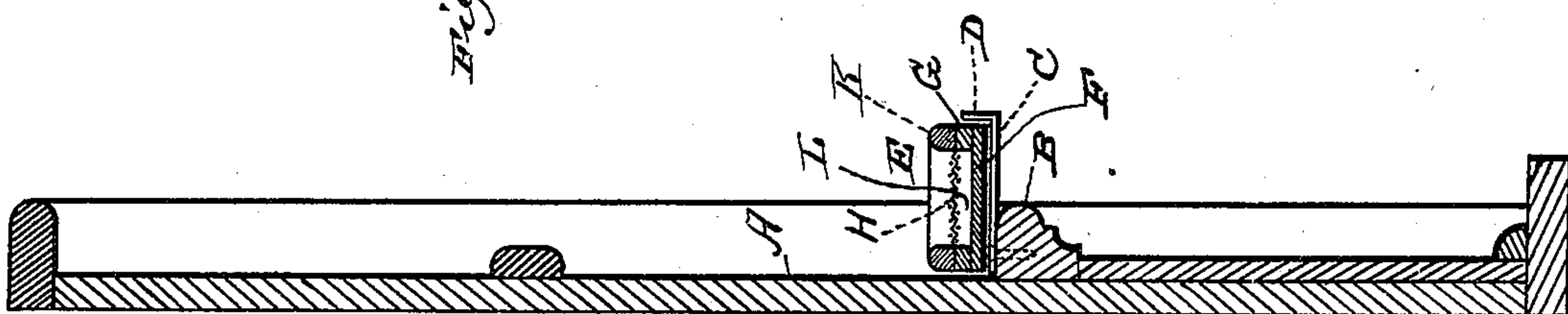


Fig. 1.

WITNESSES

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INVENTOR

*J. G. Plowman*  
*by Anderson & Smith*  
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# UNITED STATES PATENT OFFICE.

JOSEPH GEE PLOWMAN, OF WHITE PIGEON, MICHIGAN.

## CHALK-RACK.

SPECIFICATION forming part of Letters Patent No. 304,233, dated August 26, 1884.

Application filed April 10, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH G. PLOWMAN, a citizen of the United States, residing at White Pigeon, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Chalk-Racks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical sectional view of my device. Fig. 2 is a front view of the same, and Fig. 3 is a detail longitudinal sectional view.

This invention has relation to chalk racks or shelves for blackboards; and it consists in the construction and novel arrangement of a removable elongated narrow trough, carrying above its bottom a false bottom of wire-cloth or other material having interstices through which the chalk-dust can descend, and held  
25 in position against the lower edge of the blackboard by swinging brackets, which can be turned aside out of the way when the chalk-trough is removed, all as hereinafter set forth.

30 In the accompanying drawings, the letter A designates the ordinary school-blackboard, attached to or forming a part of the wall, and B is the lower marginal ledge thereof.

C C represent swinging arms or brackets pivoted to said ledge, and having the end flanges, D. The width of these bracket-arms is about equal to that of the ledge B, and their length is sufficient to space the width of the chalk-trough.

40 E designates the chalk-trough, which is of sufficient length to extend along the entire lower edge of the blackboard; or it may be made in sections, which are arranged to abut end to end. The trough as constructed usually consists of a flat recessed base portion, F, upon the marginal walls G of which is se-

cured the false bottom H, of wire-cloth or other interstitial material. Upon the edges of this interstitial false bottom are laid the margin-  
50 strips K, which extend upward sufficiently to form a guard for the pieces of chalk and the rubbers. Nails or screws, extending through the strips K and the edges of the wire-cloth into the base, serve to secure the parts together. Between the wire-cloth and the bot-  
55 tom of the trough is a chamber, L.

The chalk-trough is designed to rest on the bracket-arms when they are turned outward, and is prevented from slipping away there-  
60 from by the end flanges of said arms. The object of this wire-cloth false bottom is to allow the chalk-dust to sift through and settle below it and to hold the chinks and rubbers above the level of the chalk-dust, so that they will be kept therefrom. Without this inter-  
65 stitial rest, the chinks, being placed in the trough, get full of the chalk-dust, and when used in this condition this dust is caused to permeate the air of the school-room, which is thereby rendered uncomfortable and unwhole-  
70 some.

When the school-room is to be used for other purposes, the chalk-trough can be re-  
75 moved and the bracket-arms turned back upon the ledge out of the way.

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

The combination, with the marginal ledge of the blackboard and a removable chalk-  
80 trough having a false bottom of wire-cloth, of the swinging bracket-arms pivoted to said ledge, and adapted, when the chalk-trough is removed, to be turned aside out of the way, substantially as specified.

85 In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH GEE PLOWMAN.

Witnesses:

R. F. JARNETT,  
BIRDSEY PECK.