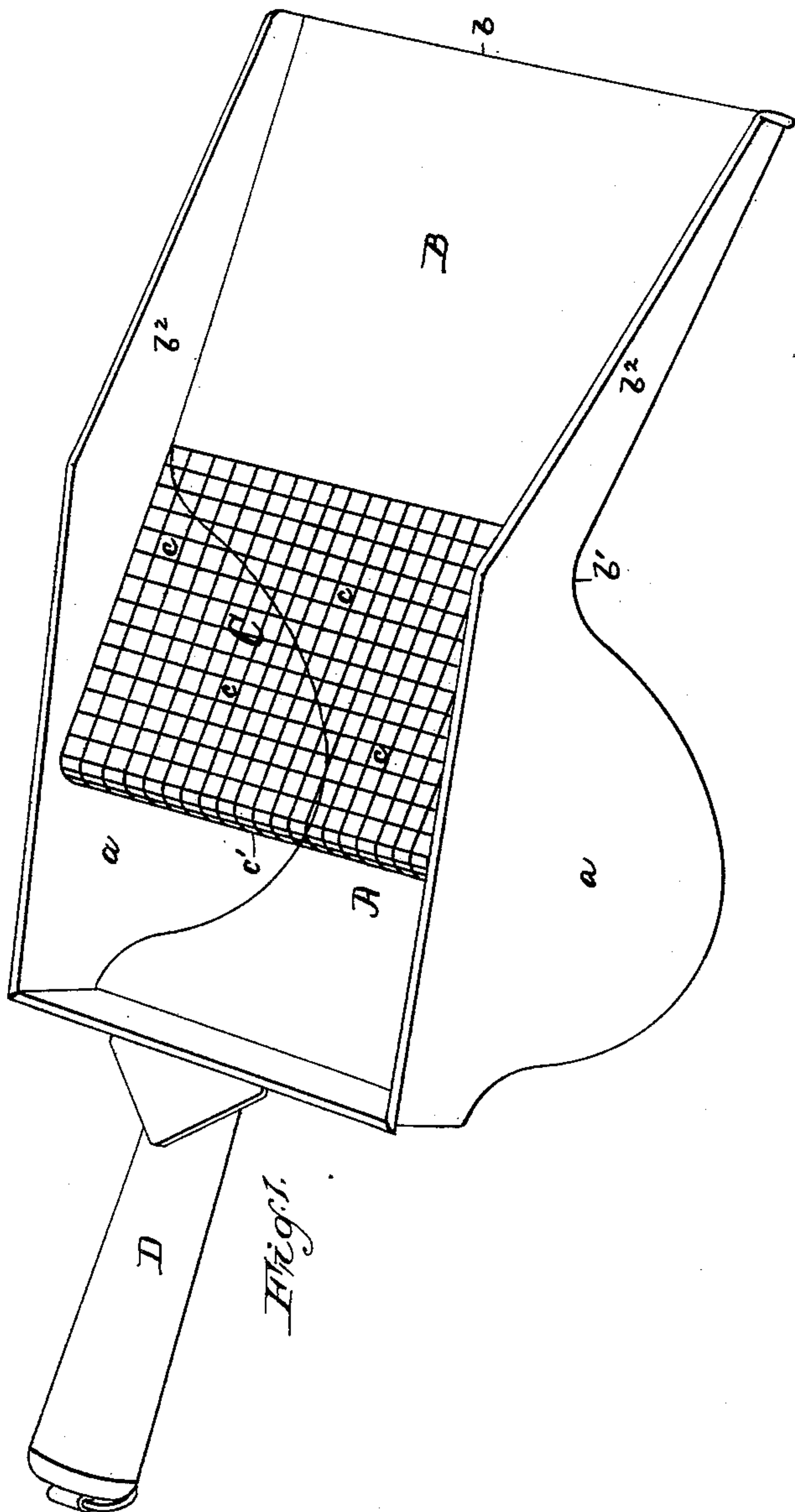


(No Model.)

W. F. SPURGIN.
DUST PAN.

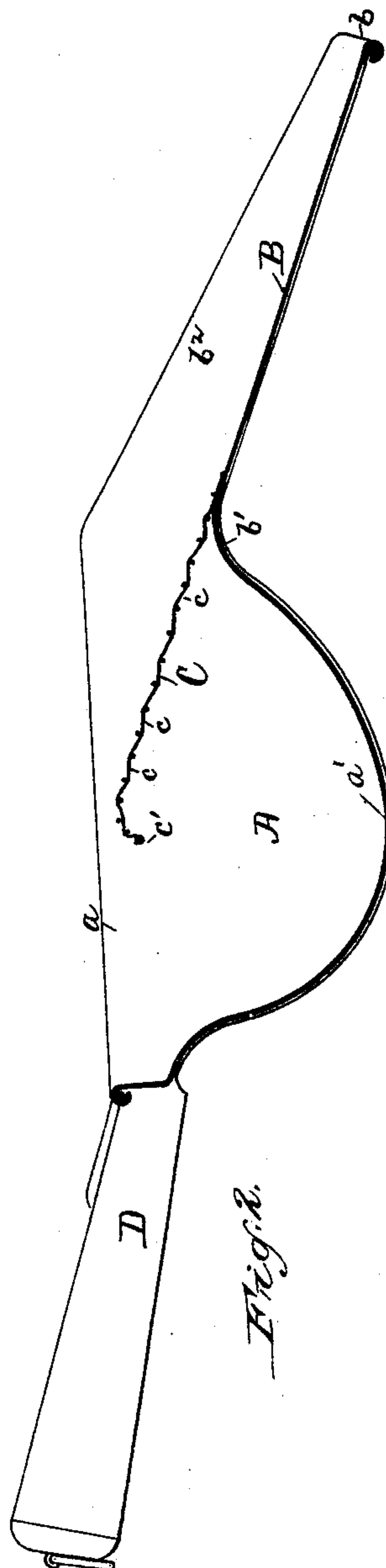
No. 407,133.

Patented July 16, 1889.



WITNESSES:

C. W. Benjamin
of T. Hale.



INVENTOR

William F. Spurgeon

BY *Arden J. Fitch*

ATTORNEY

UNITED STATES PATENT OFFICE.

WILLIAM F. SPURGIN, OF WEST POINT, NEW YORK.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 407,133, dated July 16, 1889.

Application filed February 26, 1889. Serial No. 301,201. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. SPURGIN, a citizen of the United States, now residing at West Point, county of Orange, State of New York, have invented certain new and useful Improvements in Dust-Pans, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention consists in a dust-pan constructed in the form and having the parts and devices hereinafter shown and described, and as more particularly recited in the claim.

Figure 1 is a plan view in perspective of a dust-pan containing my invention, and Fig. 2 is a central longitudinal vertical section of the same.

In constructing a dust-pan in accordance with my invention I form a trough-like receptacle A, the bottom *a'* of which is concavo-convex or of equivalent shape, so as to constitute a crown or apex extending laterally of the pan, upon which the receptacle A may rest and may be tilted forwardly and rearwardly, as shown, and the sides *a* of which are preferably vertical, as shown. From the forward edge of this receptacle A a downwardly-inclined plate or platform B extends, with its outer or lower edge *b* substantially in line with the deepest point or crown of the exterior convexity of the bottom of the receptacle A, as shown. At the juncture of the plate B with the forward edge of the receptacle A the plate is desirably curved or bent flatwise rearwardly and downwardly to meet said edge of said receptacle, as shown at *b'*. It is obvious that the concavo-convex bottom of the receptacle A and the plate B may be formed in one piece or sheet of metal in the shape shown and with the flatwise bend *b'* at the point stated. The inclined platform B is preferably wider at its outer or lower edge *b* than at its juncture with the receptacle A, as shown, and the platform has the upwardly-extending flanges *b²* on its side edges, which flanges join the side pieces of the receptacle A, as shown.

C is a plate or platform having perforations or openings *c* through it, and preferably con-

stituted of a piece of comparatively coarse-meshed wire-gauze, as shown, so that the perforations are throughout said platform. This plate C extends from the line of the juncture of the platform B with the forward edge of the receptacle A, and preferably in the same plane as the platform B, as shown, over the receptacle A to about midway between the forward and rearward edges of said receptacle, between the sides thereof, and has its rearward edge *c'* desirably curved or bent downwardly flatwise, substantially as shown.

Upon the rearward side of the receptacle the usual handle D may be fixed, as shown.

The advantages accruing from my invention are that in gathering the dust and débris to be collected into the pan by means of a broom, as is usually the case, the material swept upon and upward over the platform B by the broom will pass round, over, or through the plate C into the receptacle A, and also that, while the larger objects or particles will pass entirely over the plate C and into the said receptacle, the finer particles and such dust or fibers as may have a tendency to adhere to the broom will be scraped off or detached therefrom by the passing of the broom over the plate C and be carried over or forced through said plate into the receptacle A. The escape of the débris collected from the pan is thus prevented while the operation of filling the pan is going on, and, furthermore, the adhering of particles of the débris to the broom is obviated.

What I claim as my invention, and desire to secure by Letters Patent, is—

A dust-pan composed of the trough-like receptacle A, having the described bottom *a'*, the inclined platform B, extending forwardly and downwardly from the front edge of said receptacle, with its lower edge *b* substantially in line with the crown or apex of said bottom of said receptacle, and the perforated plate C, extending from the juncture of said platform with said edge of said receptacle rearwardly over said receptacle to a line substantially midway of the front and rear edges thereof, as and for the purpose specified.

WILLIAM F. SPURGIN.

Witnesses:

JAS. E. WILSON,
HENRY STEEN.