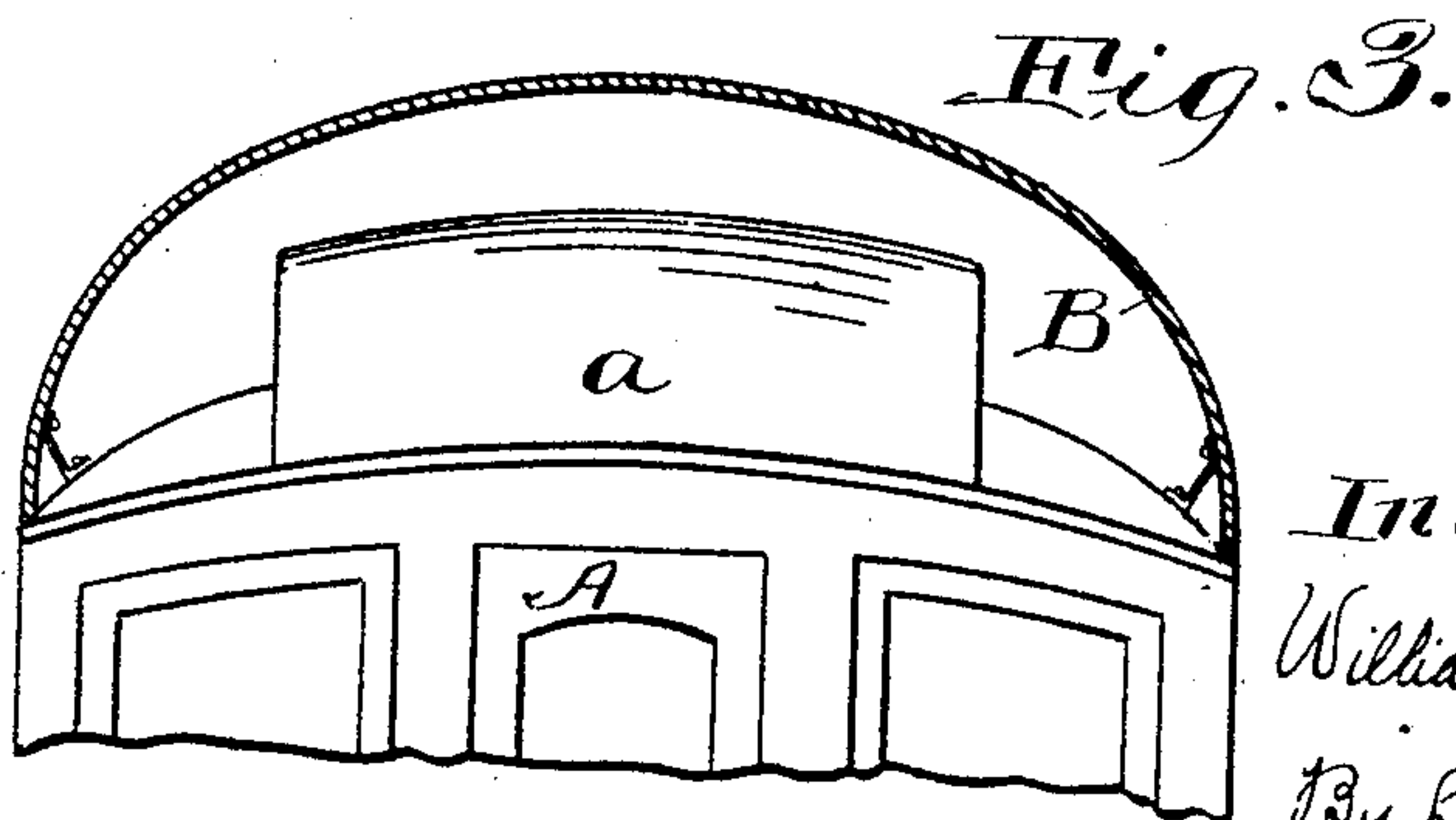
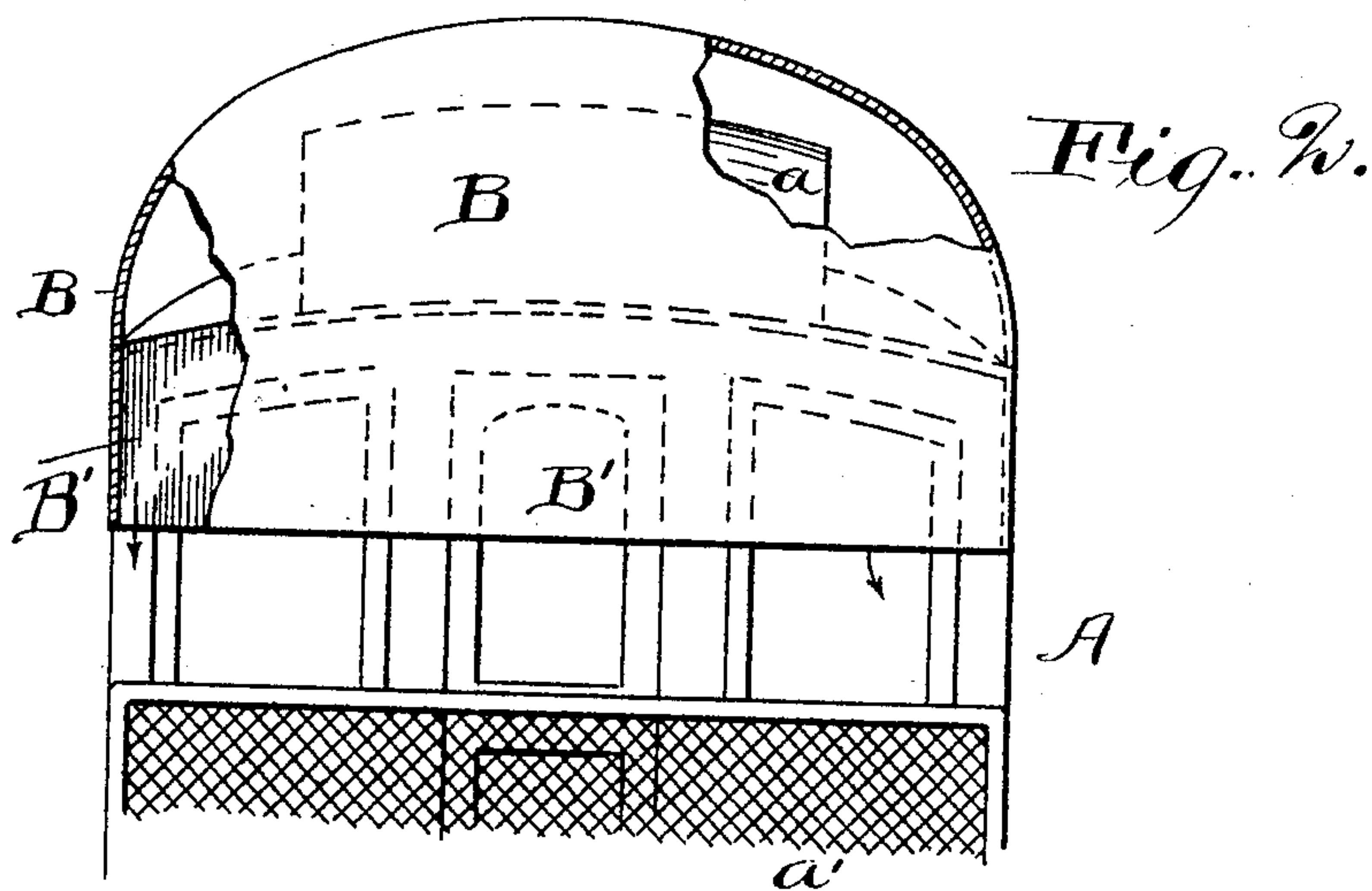
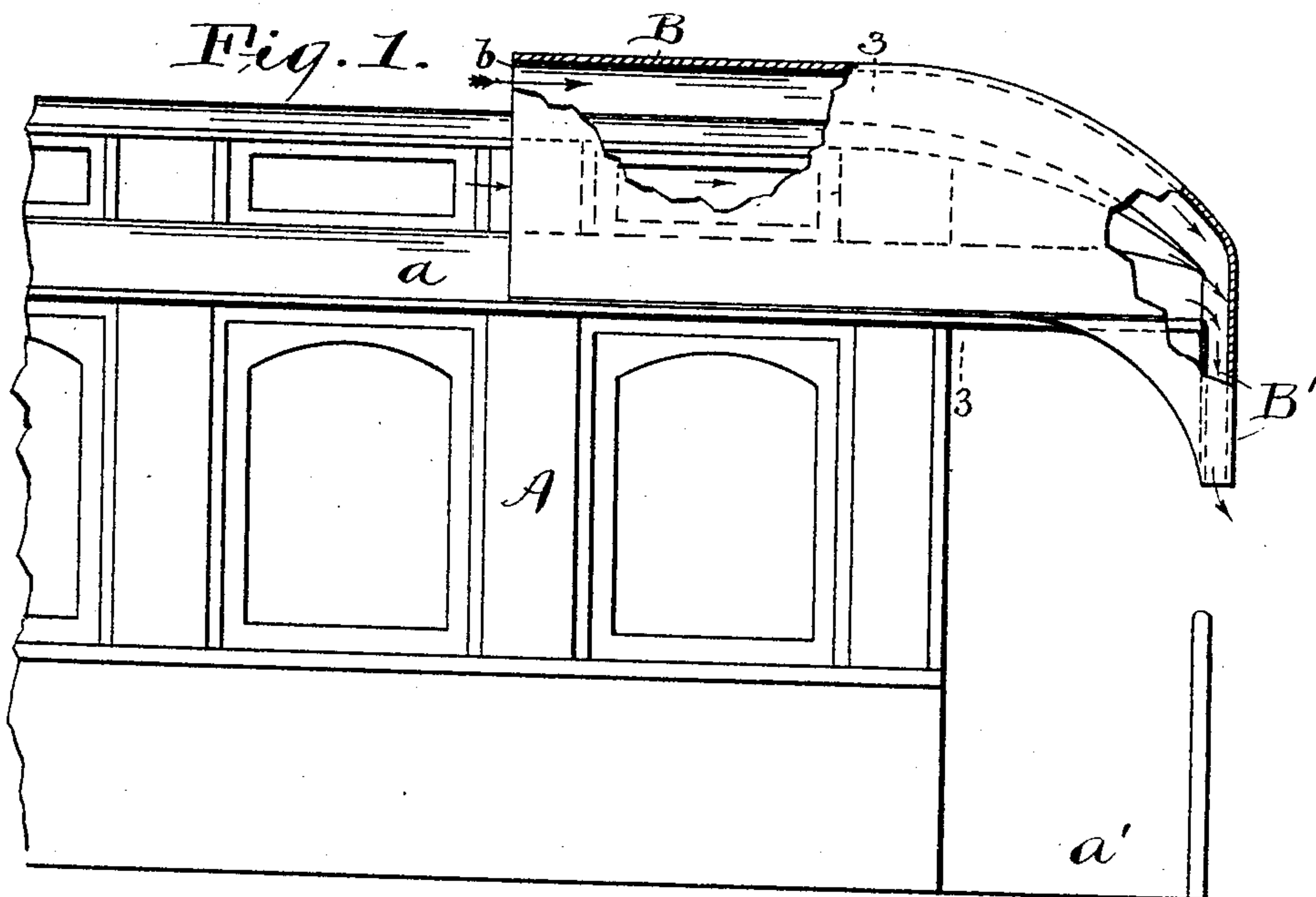


No. 805,447.

PATENTED NOV. 28, 1905.

W. H. BROWN.  
DUST GUARD FOR RAILWAY CARS.  
APPLICATION FILED JAN. 12, 1905.



Witnesses.  
E. B. Gilchrist  
H. L. Presman.

Inventor.  
William H. Brown,  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. BROWN, OF CHICAGO, ILLINOIS.

## DUST-GUARD FOR RAILWAY-CARS.

No. 805,447.

Specification of Letters Patent.

Patented Nov. 28, 1905.

Application filed January 12, 1905. Serial No. 240,756.

*To all whom it may concern:*

Be it known that I, WILLIAM H. BROWN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Dust-Guards for Railway-Cars, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

10 The object of this invention is to prevent the dust which is stirred up from the road-bed by a moving car from flying onto the rear platform of that car, to the discomfort of the passengers thereon.

15 The invention consists of a hood secured upon the car-roof at the rear end thereof and having an open front end and a downturned spout-like rear end which is substantially as wide as the car and is directed so that air 20 which enters the front end of the hood will be discharged downward at the rear end of the platform, thereby forming a down-flowing curtain of air which will prevent the dust-laden air behind the car from flowing forward 25 ward onto the rear platform, all of which will be hereinafter described, and pointed out definitely in the claims.

30 In the drawings, Figure 1 is a side elevation of the rear end of a railway-car. Fig. 2 is a rear end view of said car; and Fig. 3 is a sectional rear view of the upper part of said car, the section being in the plane indicated by line 3 3 of Fig. 1.

35 Referring to the parts by letters, A represents a car of any common or suitable construction. *a* indicates the roof of said car, and *a'* its rear platform.

40 B represents a hood which is secured upon the rear part of the car. It is preferably made of sheet metal, and it is open at its front end *b*, so that as the car moves forward air will be taken into said front end. The rear

end B' of the hood is downturned in the form of a sort of a flat spout which is made about as wide as the car-platform and is opened at 45 its lower end, which end is above or slightly behind the rear end of the rear platform. When the car is in rapid motion, comparatively clean pure air will be taken into the opened front end of the hood. This air will 50 flow out of the contracted spout-shaped rear end of the hood and will flow downward, thereby creating a down-flowing shield or curtain of pure air which prevents the air filled with the dust stirred up by the car from the road- 55 bed from flying forward onto the back platform.

Having described my invention, I claim—

1. A dust-preventer for railway-cars comprising a hood secured to the car-roof and extending downwardly over the end thereof, 60 there being air inlet and discharge spaces at the front and rear of said hood.

2. A dust-preventer for railway-cars comprising a hood secured to the car-roof and 65 curving down over the end thereof substantially in line with the end of the platform, there being air inlet and discharge spaces at the front and rear of said hood.

3. A dust-preventer for railway-cars comprising a hood which is secured upon the rear 70 end of the car-roof, and is open at its front and rear ends, said rear end being in the form of a downturned spout which extends crosswise for substantially the width of the platform, 75 whereby there will be discharged at the rear end of the platform a strong current of air taken in at the open front end of said hood.

In testimony whereof I hereunto affix my signature in the presence of two witnesses. 80

WILLIAM H. BROWN.

Witnesses:

ARTHUR B. PEASE,  
F. D. MITCHELL.