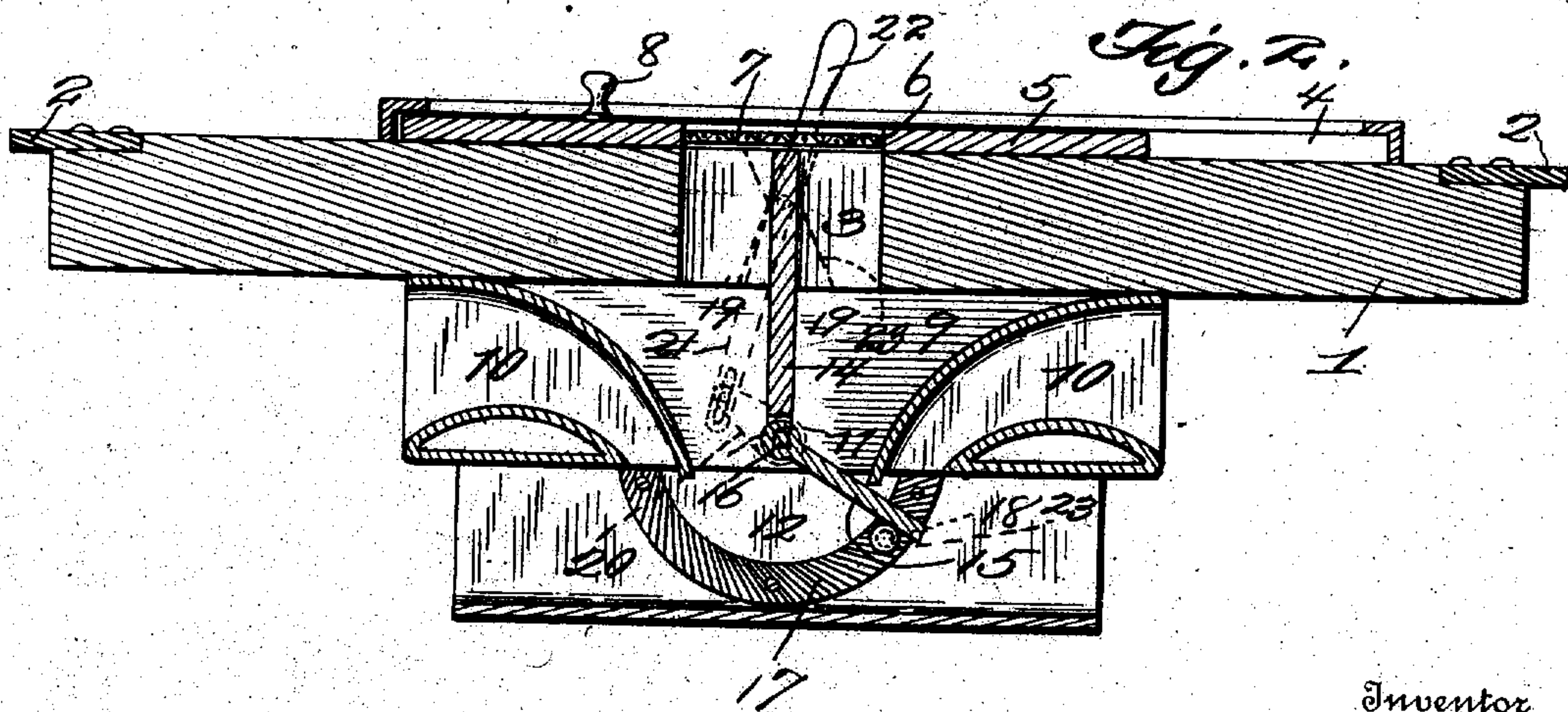
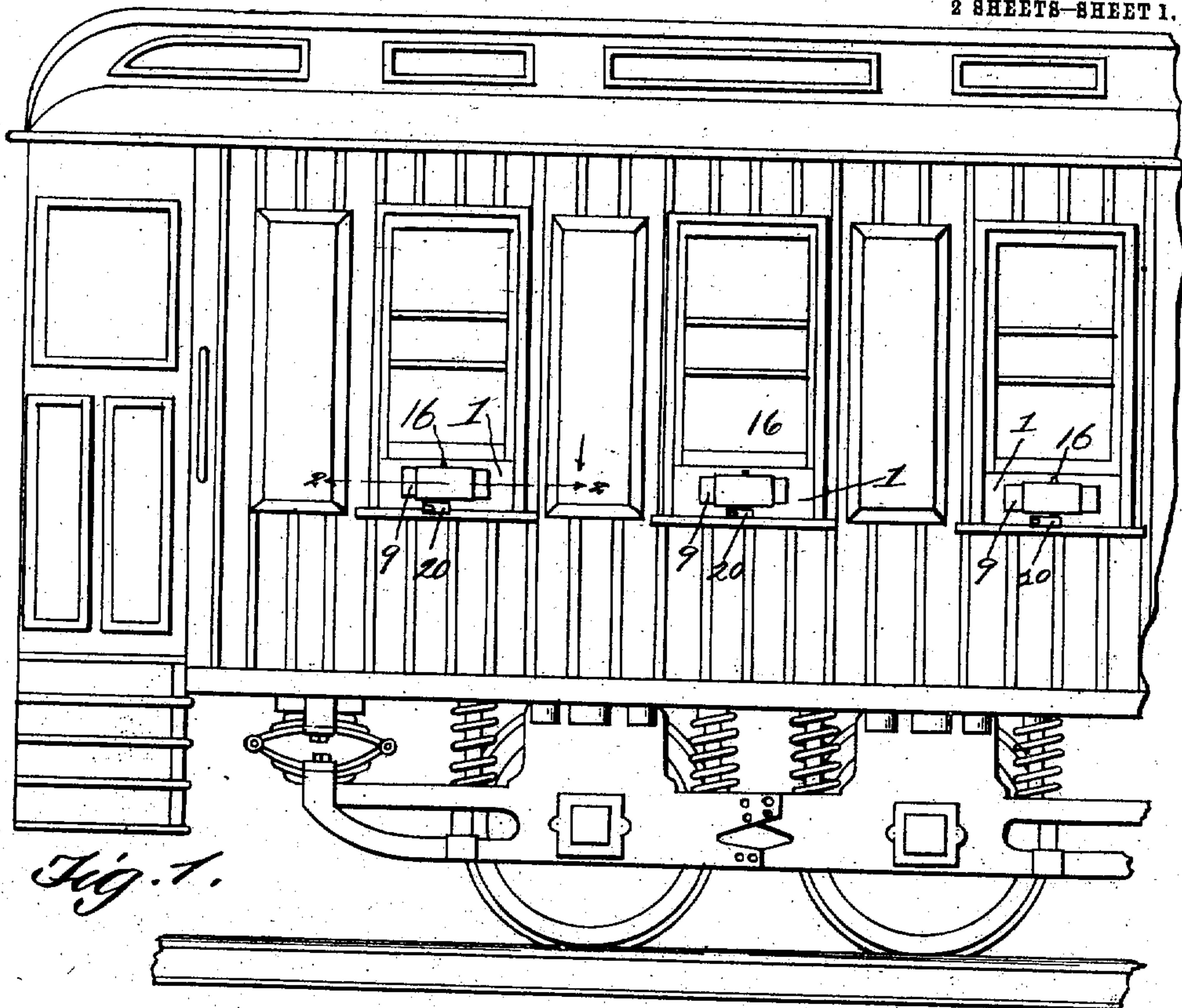


973,513.

A. A. KEMPSKI.  
CAR VENTILATOR.  
APPLICATION FILED MAY 21, 1910.

Patented Oct. 25, 1910.

2 SHEETS—SHEET 1.



Witnesses

Francis J. Powell.  
L. V. White.

Inventor  
Alfred A. Kempski,  
By D. Swift & Co.  
Attorneys



A. A. KEMPSKI.  
CAR VENTILATOR.  
APPLICATION FILED MAY 21, 1910.

973,513.

Patented Oct. 25, 1910.

2 SHEETS—SHEET 2.

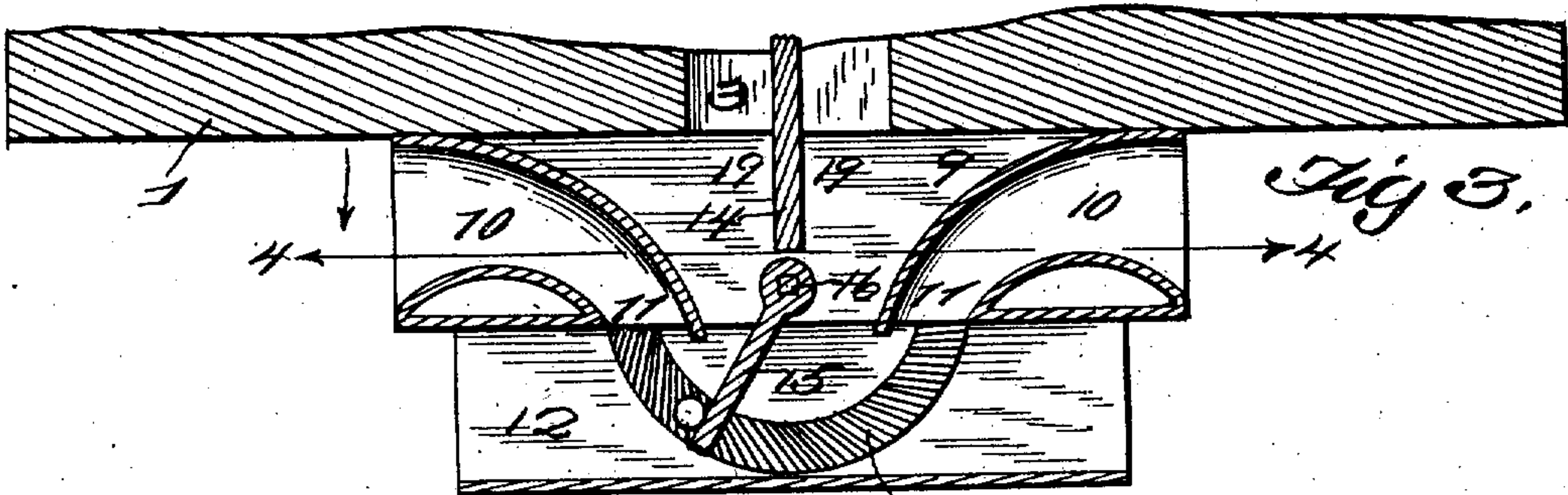


Fig. 4.

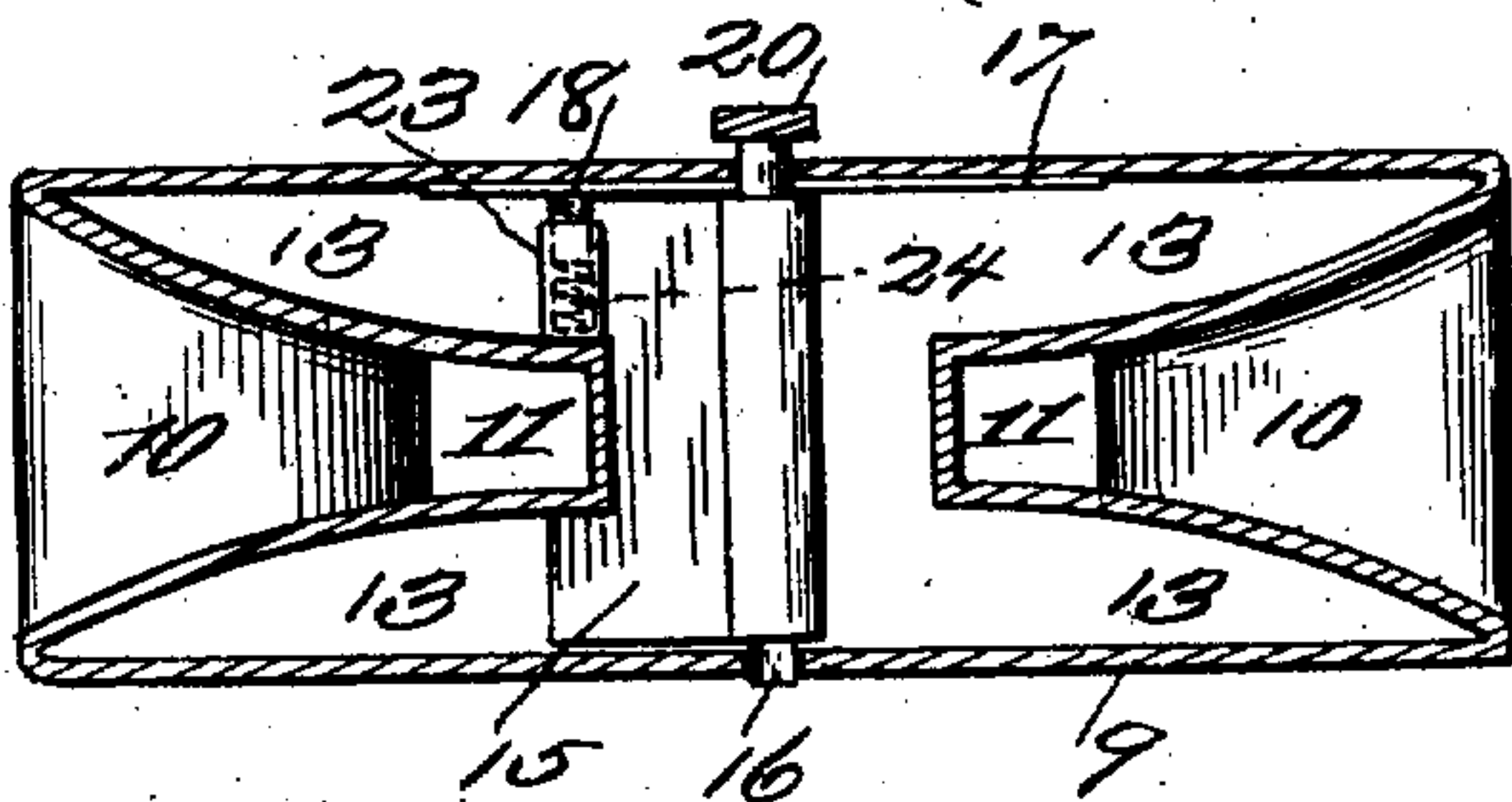


Fig. 5.

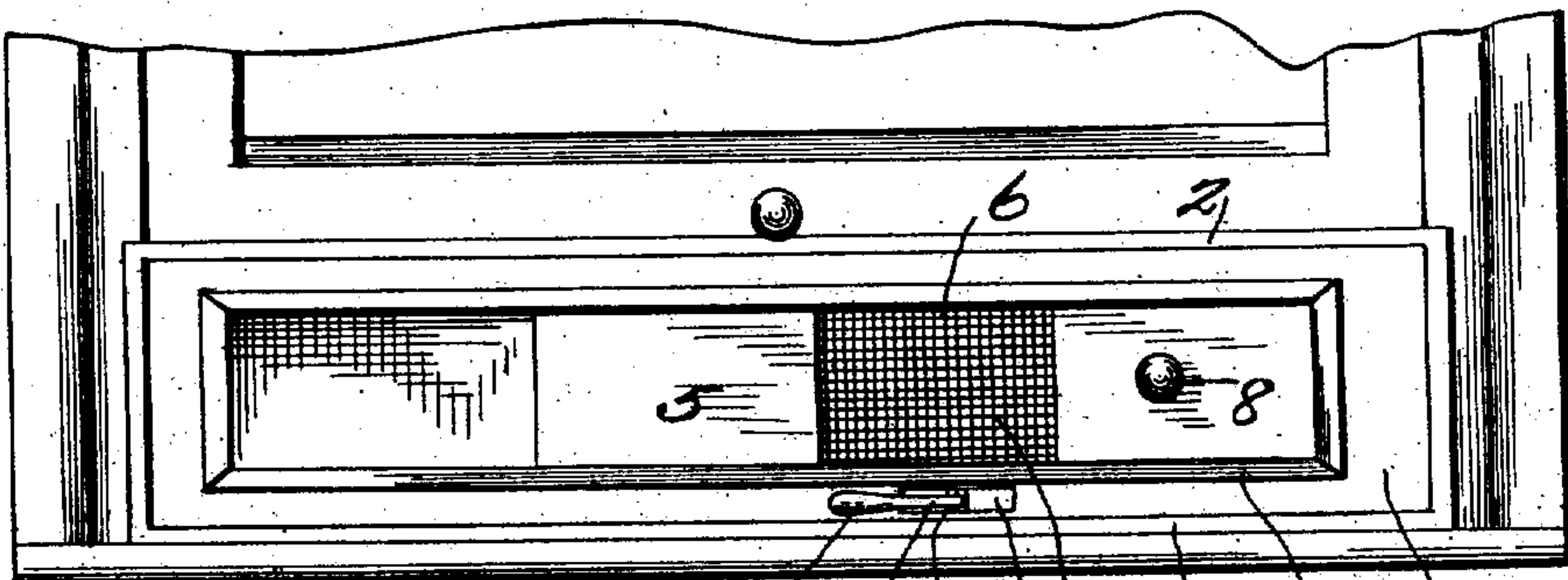
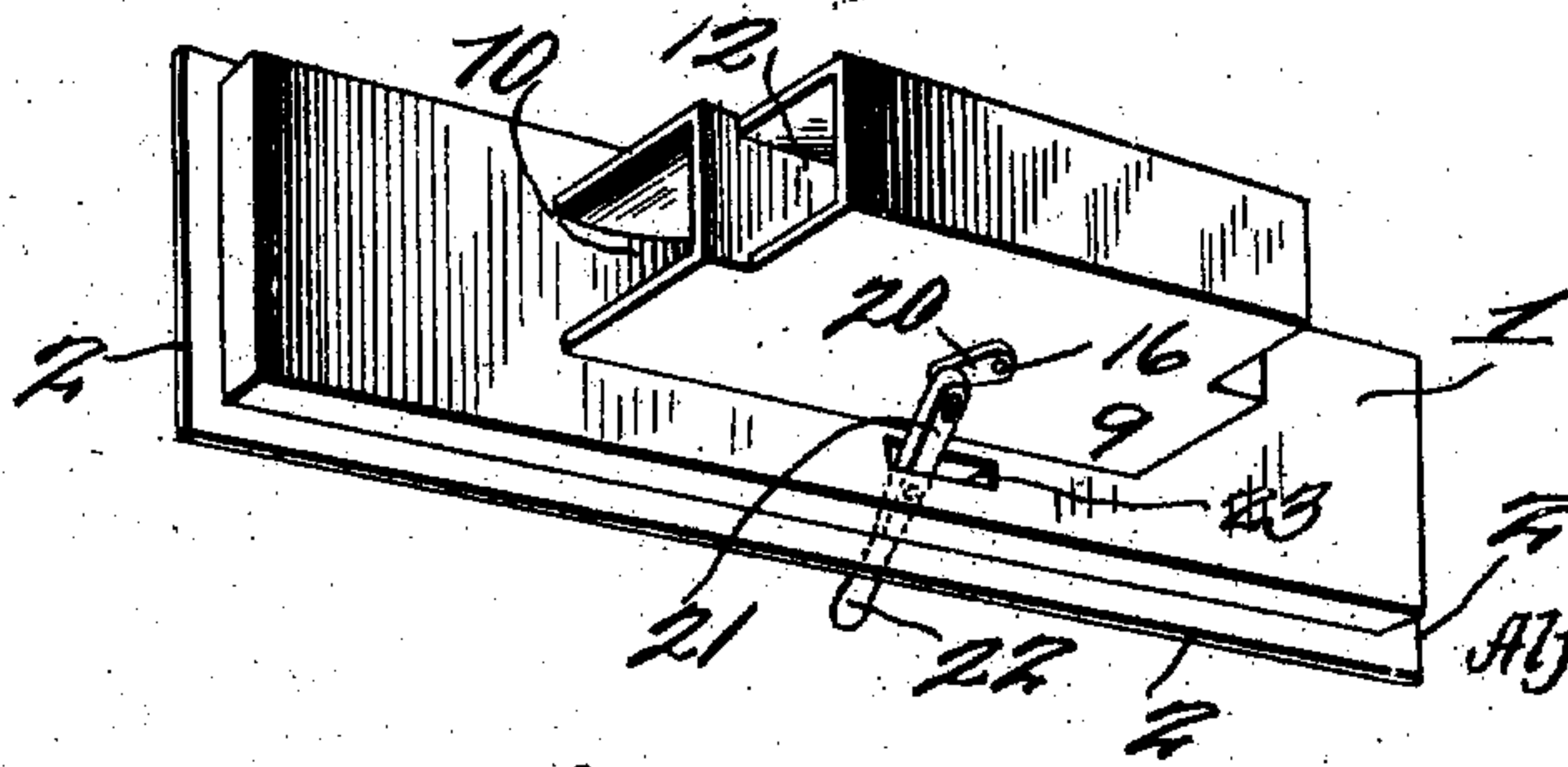


Fig. 6.



Witnesses

Francis G. Powell.  
L. V. White.

Inventor  
Alfred A. Kempski,  
By D. Swift & Co.  
Attorneys



# UNITED STATES PATENT OFFICE.

ALFRED ANTHONY KEMPSKI, OF WILMINGTON, DELAWARE.

## CAR-VENTILATOR.

973,513.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed May 21, 1910. Serial No. 562,704.

*To all whom it may concern:*

Be it known that I, ALFRED ANTHONY KEMPSKI, a citizen of the United States, residing at Wilmington, in the county of Newcastle and State of Delaware, have invented a new and useful Car-Ventilator; and I do hereby 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 appertains to make and use the same.

This invention pertains to a new and useful car-ventilator, which may be applied to any portion of the car, but in the present application it is shown as being applied to the window thereof. In other words, the window is partly raised, and the flanged portion of the ventilator is inserted between the sash and the lower portion of the frame.

The principal object of the invention is to provide a ventilator, having means whereby the draft or the intake of air may be increased or decreased.

A further object of the invention is the provision of an oscillating draft plate or wing, which may be held in various positions, there being suitable means, for holding the draft plate or wing in such various adjusted positions.

A further feature of the invention is the provision of means whereby the draft or intake of air may be entirely cut off, said means having a screened portion of a very fine mesh, which will prevent the inflow of cinders, dust or any other foreign matter.

In this specification and the annexed drawings, a particular design of device is adhered to, but the invention is not to be confined to this specific design. The device in its actual reduction to practice may necessitate changes and variations; the right thereto belongs to the applicant, provided such changes and variations are comprehended by the appended claims.

In the drawings:—Figure 1 is a perspective view of a portion of a car, showing the ventilator applied to the window thereof. Fig. 2 is a sectional view on line 2—2 of Fig. 1, showing the draft plate or wing in one position. Fig. 3 is a similar view to Fig. 2 showing the draft plate or wing in another position. Fig. 4 is a sectional view upon line 4—4 of Fig. 3, showing that the air chutes are restricted at one end. Fig. 5 is an elevation, showing the ventilator applied to the window of the car looking from

the interior thereof, in order to clearly disclose the screened slide. Fig. 6 is a detail perspective view of the ventilator, showing the same removed from the car window.

Referring to the annexed drawings, 1 designates a plate, which is elongated in form, and is designed to be disposed between the sash of a window and the lower portion of the frame thereof, and to the marginal edges of the plate, strips of rubber 2 are secured, in order to keep the air and foreign matter from coming between the plate and the sash of the window. This plate 1 is provided with an opening 3, which is rectangular in contour. Upon the inner face of the plate 1 guides 4 are provided, to receive a door or slide 5, which is provided with a rectangular opening 6. The opening 6 of the door is covered by a screen 7 of very fine mesh, and the door or slide is provided with a knob or handle 8, by which the same may be easily manipulated. The opening 6 may be thrown in registration, or partly so, with the opening 3.

Projecting from the outer portion of the plate 1 is a casing 9, each end of which is provided with an air chute or passage 10, the inner walls of which converge toward one another, at a point designated by the numeral or character 11. Beyond these air chutes or passages 10 the casing 9 is extended, in order to form the passageway or air chute 12. By converging the walls of the passageways or air chutes 10, in order that the passageways may be restricted at one of their ends, passageways or air ducts 13 are formed on each side of the passageways 10. Between the passageways or air chutes 10, a divisional plate 14 is provided, which separates the two chutes, so that when the car is going in one direction, and the draft plate or wing 15 is disposed, as shown in Fig. 2, the draft or intake of air will pass through the passageways 10, and through the screen of the door or slide. The draft plate or wing 15 is pivotally mounted upon a rod or shaft 16 adjacent the edge of the divisional plate 14, and the shaft or rod is provided with a handle, whereby the draft plate or wing may be easily set. To hold the draft plate or wing in various adjusted positions, the inner wall of the passageway 12 is provided with a series of serrations 17, and the draft plate or wing on one edge thereof, is provided with a rubber buffer 18 to frictionally contact with the serrations. The



shaft 16 of the draft plate or wing is provided upon one of its ends with an arm 20, to the free end of which, one end of the lever 21 is pivoted. This lever 21 is slotted at its end, and is designed for the purpose of adjusting the draft plate or wing. The handle 22 of this lever projects inwardly of the car, as will be clearly seen in Fig. 2. This lever 21 is pivoted in a slot 23 of the plate 1, reference being had to Fig. 6. The slide or draw may be adjusted in order to dispose a portion of the screened opening upon only one side of the divisional plate, or the screened opening may be placed within registration of the entire opening of the plate 1, so that passageways 19 upon each side of the divisional plate will communicate with the interior of the car through the screen.

20 The invention having been set forth, what is claimed as new and useful is:—

1. In a car window ventilator, a plate having an outwardly projecting casing, said casing having air chutes or passageways converging at one of their ends, said casing having upon each side of the converged portion or the passageways air chutes, said casing having a divisional plate between the converged passageways, means to regulate

the draft or intake, means to hold the first named means in adjusted positions, said plate having an opening, and provided with guides, and a slide or door having a screened opening to register with the opening in the plate received by said guide. 30 35

2. In a car window ventilator, a plate having an outwardly projecting casing, said casing having air chutes or passageways converging at one of their ends, said casing having upon each side of the converged portion or the passageways air chutes, said casing having a divisional plate between the converged passageways, a draft plate or wing pivoted adjacent the divisional plate to regulate the draft or intake of air, means to hold the draft or wing plate in adjusted positions, said first named plate having an opening and provided with guides, and the slide or door having a screened opening to register with the opening in the first named plate received by said guides. 40 45 50

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED ANTHONY KEMPSKI.

Witnesses:

ATTALUS DONOHO,

GEORGE W. WIGGLESWORTH.