May 22, 1928. 1,670,784

F. SCHUETZ

VENTILATOR FOR POULTRY CARS

Filed Oct. 13, 1926

Fig. 1.

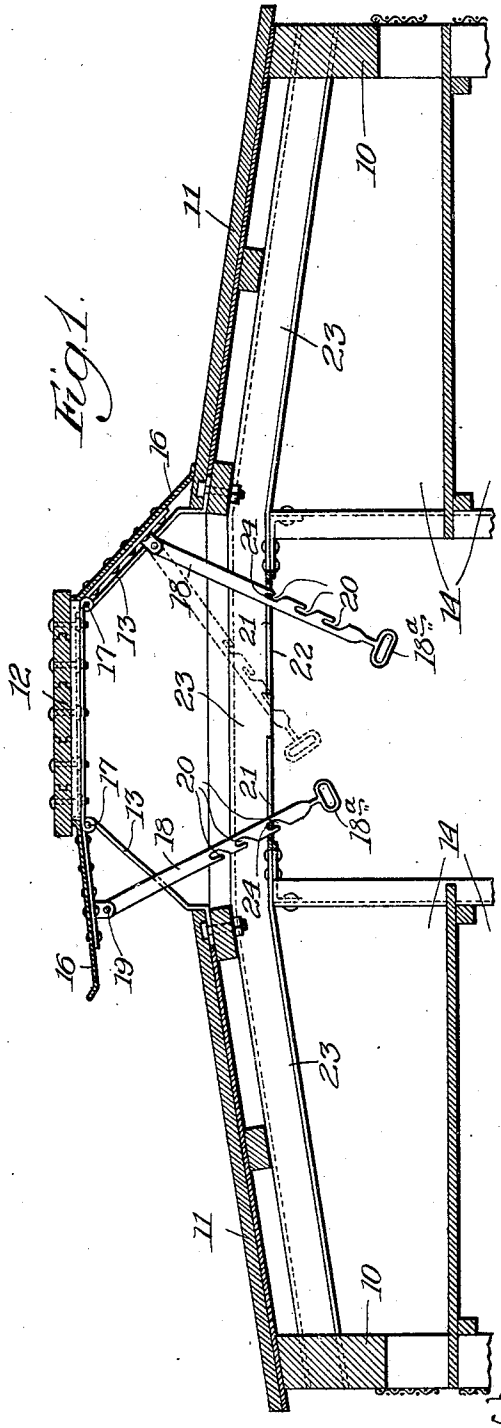
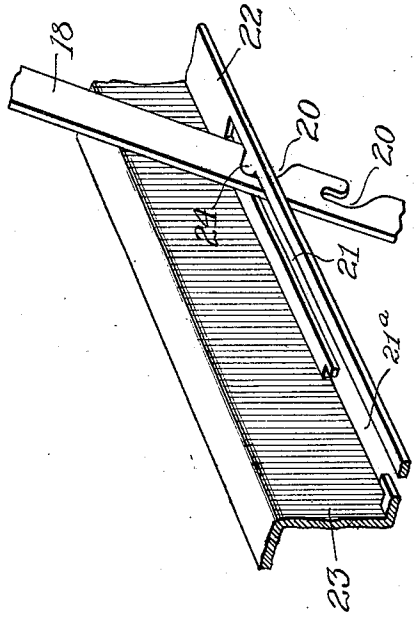


Fig. 2.



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UNITED STATES PATENT OFFICE.

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VENTILATOR FOR POULTRY CARS.

Application filed October 13, 1926. Serial No. 141,330.

This invention relates to ventilators for poultry cars and is fully described in the following specifications as shown in the accompanying drawings in which Figure 1 is a transverse section through the upper portion of the poultry car showing the invention and Fig. 2 is an enlarged perspective view of the notched operating rod and the ledge with which it co-operates.

The embodiment illustrated comprises a poultry car having side walls 10, roof-portions 11 and a central raised running-board 12 which is carried upon suitable braces 13. If desired, the brace 13 may be made of expanded metal or this or other openwork screens may be carried by the braces 13. The interior of the car is divided in a well known manner into coops 14 which are arranged in tiers on each side of the central aisle 15 which runs the length of the car.

The braces 13 are preferably set at an angle to the vertical and over this is arranged a series of ventilators 16 which are preferably hingedly connected at their upper edges at 17 to the braces 13 or to the under side of the running-board 12.

Various arrangements of ventilators for the top of poultry cars have been devised but heretofore it has been customary to so arrange these that it is necessary for an operator to climp up on top of the car in order to raise or lower them. In this case, however, applicant has provided an operating rod 18 which is pivotably connected to the ventilator 16 at 19 and has a series of notches 20. The rod 18 passes through an opening 21 in the flange 22 of the structural shape 23 as shown in Fig. 2, the opening 21 being provided with a ledge 24 which is adapted to be selectively engaged by one of the notches 20 in the rod 18. This rod extends downwardly into the center aisle 15 and has an operating handle 18^a by which it may be grasped.

Thus it will be seen that when the operator desires to raise the ventilator, he grasps the handle 18^a and pushes upwardly upon it until the ventilator is a little above the desired height when he permits it to drop back until one of the notches 20 engages the ledge 24. This construction insures the rod staying in engagement with the ledge 24 even though the car is subjected to more than the ordinary road shocks. To lower the ventilator, the operator grasps the handle 18^a and pushes up on it until the notch 20 is disengaged from the ledge 24. He then lowers the rod 18, holding the rod so that the notches 20 will not engage the ledge 24 until the ventilator is at the desired height, when the rod 18 is moved in so as to bring one of the notches into engagement with the ledge 24.

To provide means for holding the operating rods 18, I have formed a notch 21^a in the slot 21 so that either of the rods 18 may be raised as shown in dotted position in Fig. 1. It is then entirely out of the way of the operator when he is cleaning the top coop on that side. Likewise the other rod can be placed in the other end of this same notch when he desires to clean the other top coop.

It will be observed that the ventilator is hinged at its top beneath the running-board and that its lower edge is turned outwardly so as to lie flat on the top of the roof. This prevents rain running down the ventilator, when closed, or from blowing back into the car.

Thus it will be seen that a very simple and convenient form of ventilator is provided and one which will stand a great deal of hard usage and which is not easily subject to breakage.

While I have shown and described a single embodiment of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims.

I claim:

1. In a poultry car, a central longitudinally disposed running-board located above the car, roof-portions at the sides of and below the level of said running-board, ventilators hingedly attached at their upper edges to the running board adjacent the edges thereof and adapted to close the space between said running-board and roof-portions, a lift-rod for operating each of said ventilators in adjusted elevated positions, means for holding said rod in said adjusted positions, and means for holding either of said rods out of the aisle of the car.

2. In a poultry car, a central longitudinally disposed running-board located above the car, roof-portions at the sides of and

below the level of said running-board, ventilators hingedly mounted between said running-board and roof-portions, a lift-rod for operating each of said ventilators in adjusted elevated positions, means for holding said rod in said adjusted positions, said means including a slot in which the two opposing rods are located, and a notch in said slot for holding either of said rods in elevated position.

In testimony whereof I have hereunto set my hand and seal this 8th day of October, 1926.

FREDERICK SCHUETZ.