

No. 730,296.

PATENTED JUNE 9, 1903.

J. B. RANNEY.  
POULTRY BROODER.

APPLICATION FILED JUNE 8, 1901.

NO MODEL.

Fig. 1.

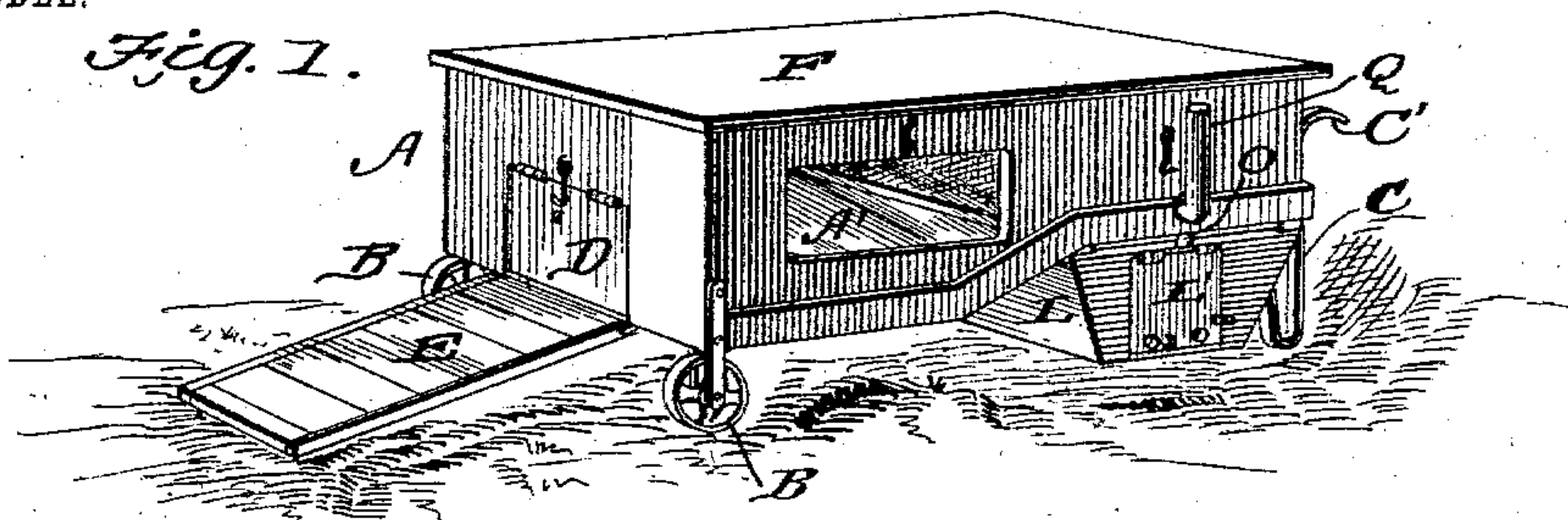


Fig. 2.

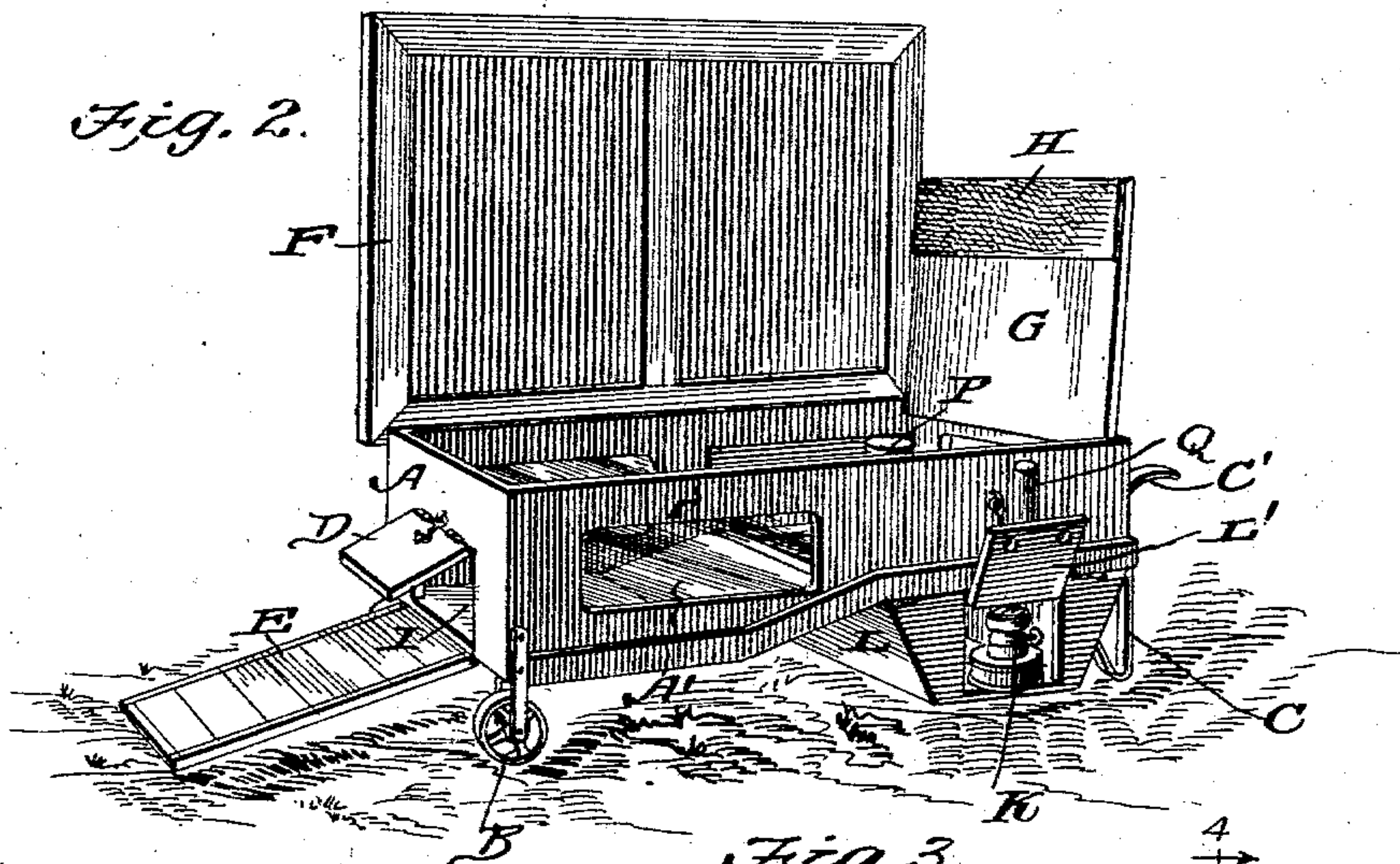


Fig. 3.

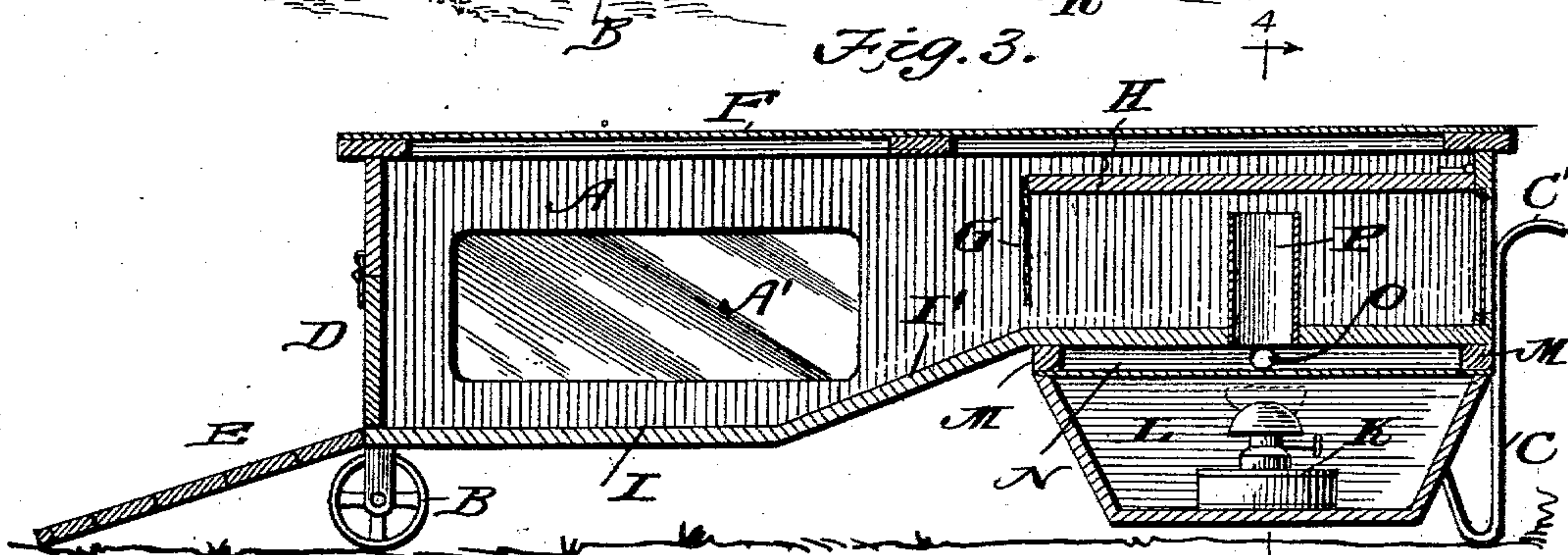
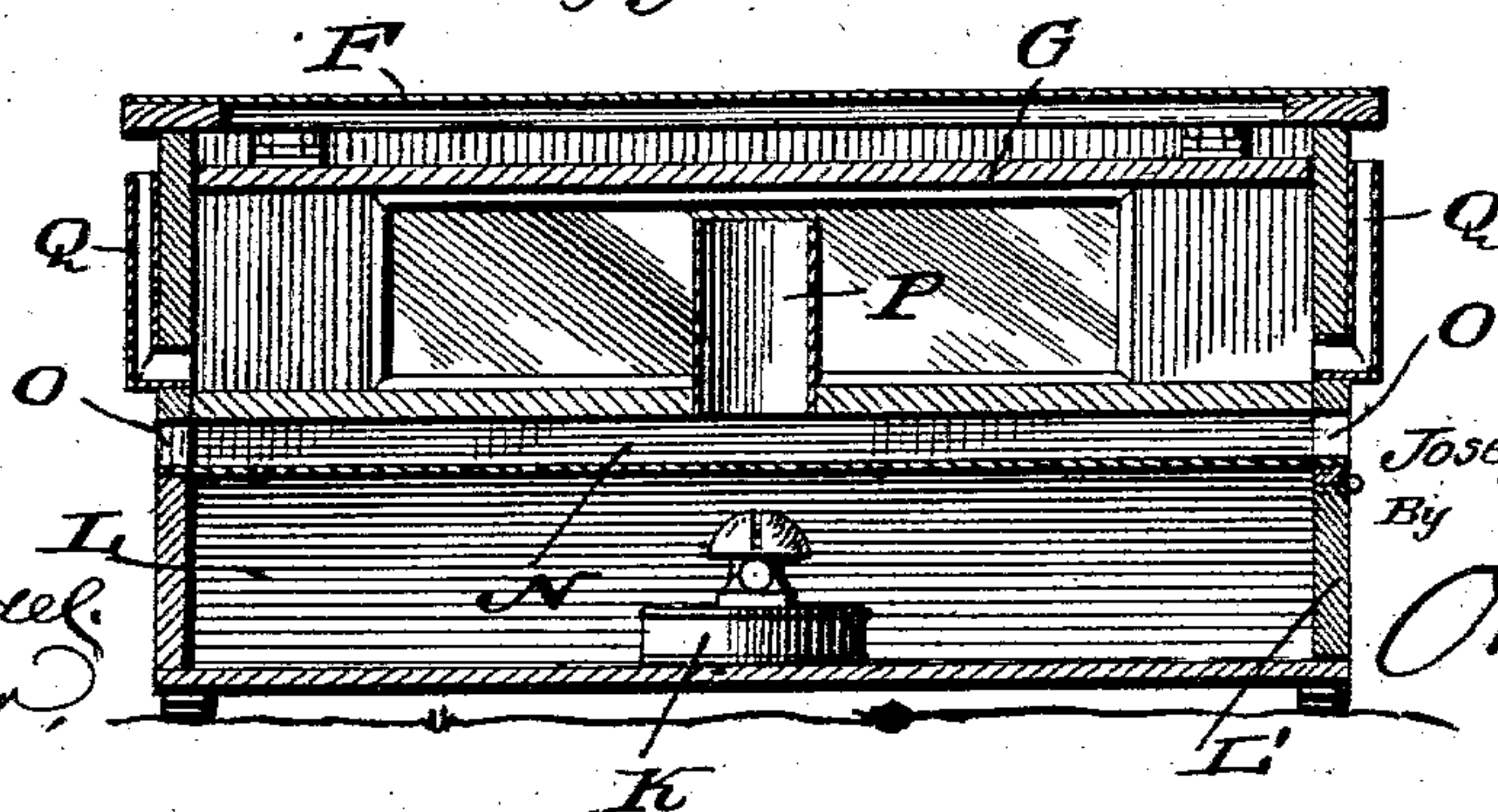


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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## POULTRY-BROODER.

SPECIFICATION forming part of Letters Patent No. 730,296, dated June 9, 1903.

Application filed June 8, 1901. Serial No. 63,763. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH B. RANNEY, a citizen of the United States, residing at Bellefontaine, in the county of Logan and State of Ohio, have invented a new and useful Poultry-Brooder, of which the following is a specification.

This invention is an improved construction of brooder for poultry.

10 The object of the invention is to provide a device which shall be exceedingly strong and durable in construction and one which can be quickly and easily transported from place to place when desired.

15 Another object is to provide a brooder which shall be supported a suitable distance above the ground and one in which fresh warm air can be let into the hover-chamber and the foul air simultaneously carried therefrom.

20 With these objects in view the invention consists in the peculiar construction of the device, as hereinafter fully described, and pointed out in the claim.

25 In the drawings forming part of this specification, Figure 1 is a perspective view of the brooder closed. Fig. 2 is a perspective view of the brooder open. Fig. 3 is a longitudinal sectional view, the parts being in their closed positions; and Fig. 4 is a section on the line 30 4 4 of Fig. 3.

In carrying out my invention I employ a case A, which is supported at its forward end upon caster-wheels B and at its rear end upon legs C, the upper ends of said legs being curved 35 outwardly and formed into handles C', by means of which the device can be easily rolled from place to place as desired. The legs are preferably formed from strips of metal, which are bent or doubled upwardly at the lower 40 end, so as to form a good support for the brooder, and by making the legs of metal and supporting the front end upon casters the use of wood for the support of the brooder is avoided, and thus a longer life is secured for 45 the construction. The case A has glass panels A' at suitable points for the purpose of admitting light.

50 An upwardly-swinging hinged door D is arranged at the forward end of the case to permit the chickens to pass from the brooder, and a runway E is also hinged to the front end of the case at the lower edge of the door

to permit the chickens to pass from the case to the ground. The case has a hinged cover F, which extends over the entire case, and 55 within the case at the rear end is arranged a supplemental cover G, carrying a depending curtain H at its forward end. The supplemental cover G is intended to extend over the warmest portion of the brooder and which 60 I designate the "hover-chamber," and the depending curtain H will form the forward wall of the said chamber.

By hinging the top cover to one side of the brooder and hinging the supplemental collar 65 to the rear end both of them can be raised without interfering with each other by simply turning them upon their hinges, which will permit of quick and convenient access to the interior for the purposes of cleaning it. 70

The hover-chamber is arranged directly above the heater, hereinafter described, and the floor of this chamber is somewhat higher than the floor of the forward portion of the case. The forward portion of the case is what 75 I designate the "feed-room," and the floor I of this feed-room is connected to the floor of the hover-chamber by means of an inclined portion I', as most clearly indicated in Fig. 3, so that the chickens can readily pass to 80 and from the hover-chamber, the depending curtain permitting said passage back and forth. By making the portion I' of the floor inclined the floor I of the forward end of the brooder can be located near the ground, which 85 will permit of the use of a shorter or less inclined runway for the chicks, and it will also prevent the feed from being scattered or thrown up into the hover-chamber. The heater consists of a lamp K, arranged within 90 a sheet-metal box L, which is secured to the case at the rear end and directly beneath the hover-chamber. The top of this sheet-metal box L, however, is not attached directly to the bottom of the hover-chamber, but is separated 95 therefrom by means of two or more transverse strips M, thereby providing an air-space N between the top of the heater-box and the bottom of the hover-chamber.

100 Openings O are produced in the sides of the case and communicate with the air-space N, and an inlet-pipe P is arranged centrally of the hover-chamber and through which the fresh air entering through the openings O en-



ters the hover-chamber, said air being warmed during its circulation through the air-space N. Q indicates vent-pipes arranged at each side of the case and communicating with the  
5 hover-chamber at the bottom thereof for the purpose of permitting the foul air to escape through the chamber. The heating-box L is provided with a door L', so that access can  
10 be had to the lamp, and this door is also provided with suitable vent-openings to supply the necessary air to the lamp.

The glass panels afford a sufficient amount of light to the interior of the brooder and the supplemental cover provided with the de-  
15 pending curtain will produce a chamber which, owing to its location, will be warmer than the feed-room and in which the small chickens can congregate whenever they become chilled.

20 It is to be noted that the brooder is supported a considerable distance above the ground, and by having the front portion

mounted upon caster-rollers and the rear portion provided with handles the brooder can be easily rolled to any place desired. 25

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A brooder comprising an oblong casing having the floor portion of one end on a higher 30 plane than the floor at the opposite end, a central inclined floor portion, a cover hinged to the end of the casing first mentioned and extending to the head of the inclined portion, a curtain depending from the inner edge of 35 said cover, and a second cover above the first-mentioned cover, said second cover being hinged to one side of, and extending over, the entire casing.

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