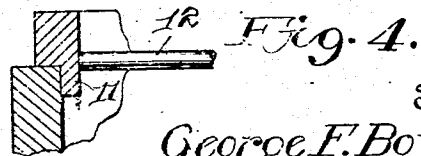
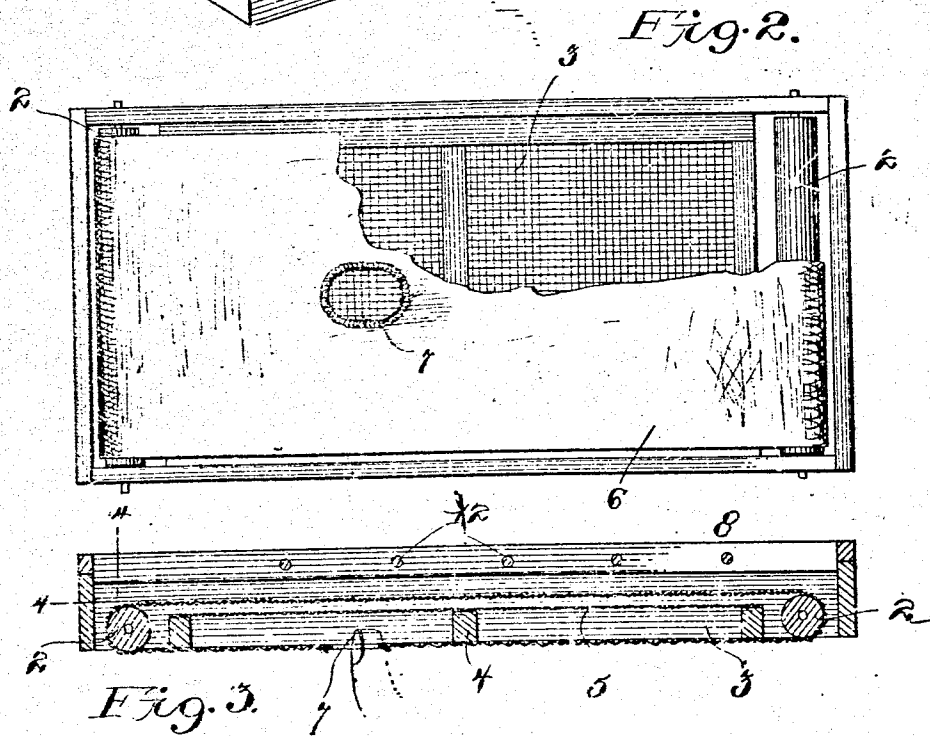
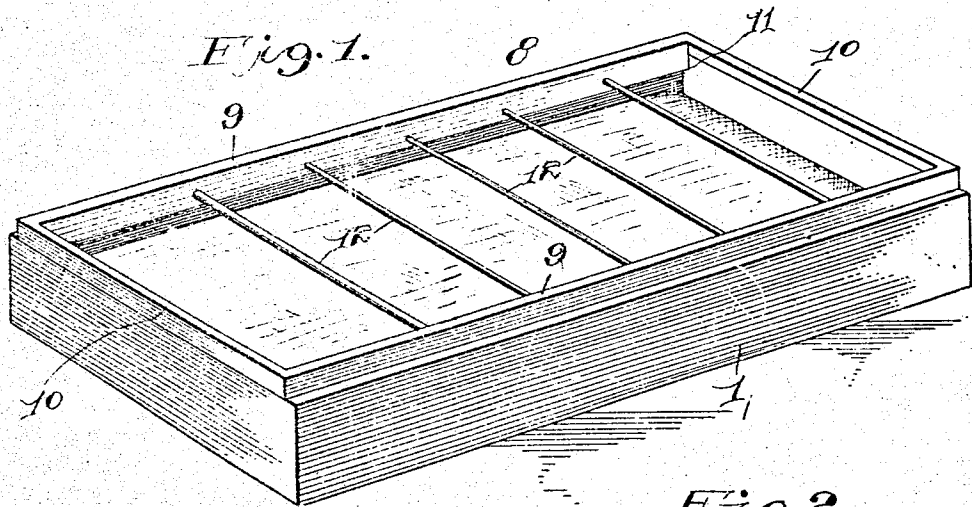


G. F. BOYER.
EGG TURNING TRAY FOR INCUBATORS.
APPLICATION FILED OCT. 4, 1909.

973,104.

Patented Oct. 18, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE F. BOYER, OF SPENCERVILLE, OHIO.

EGG-TURNING TRAY FOR INCUBATORS.

973,104.

Specification of Letters Patent.

Patented Oct. 18, 1910.

Application filed October 4, 1909. Serial No. 520,770.

To all whom it may concern:

Be it known that I, GEORGE F. BOYER, a citizen of the United States, residing at Spencerville, in the county of Allen and State of Ohio, have invented certain new and useful Improvements in Egg-Turning Trays for Incubators, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to an incubator tray of such a character and construction that the eggs while resting therein may be turned without handling and has for its object the production of a tray which is simple in construction, efficient in operation and consists of a comparatively small number of parts.

Another object of this invention is the provision of means for facilitating the turning of eggs while the same are carried by the tray.

With these and other objects in view this invention consists of certain novel constructions, combinations and arrangements of parts as will be hereinafter fully described and claimed.

In the drawings: Figure 1 is a perspective view of the tray. Fig. 2 is a bottom plan view of the same. Fig. 3 is a longitudinal section of the tray, and Fig. 4 is a section taken on line 4-4 of Fig. 3.

Referring to the drawings by numerals (1) designates the body which carries near each end a roller (2) and a screen frame (3) is carried by the body (1) intermediate the rollers (2). The screen frame (3) is provided with a transversely extending centrally arranged member (4). The frame is covered by a wire fabric (5).

40 An endless apron (6) travels upon the rollers (2) and this apron is provided centrally thereof with an aperture (7) which is reinforced by means of stitches around the edge thereof. The aperture (7) of the endless apron (6) is adapted to be upon the bottom of the tray as shown in Figs. 2 and 3, and it will be readily obvious that by placing a finger in the aperture that the apron

(6) can be moved upon the rollers (2) in any desired position and will in this manner 50 rotate or turn the eggs which are adapted to be carried by the apron 6. It will therefore be obvious that I have provided a very efficient and simple means for rotating the eggs or moving the endless apron (6).

55 A rack (8) is carried by the top of the body (1) and comprises a pair of side members (9) and end members (10). The side members (9) are substantially L-shaped in cross section and are adapted to rest upon the sides of the frame (1) as clearly shown in Fig. 4. The side members are provided with a longitudinally extending depending portion (11) which is adapted to engage the inner face of the sides of the body (1) thereby preventing lateral movement of the rack. 65 The rack (8) is also provided with transversely extending members (12) which are equally spaced apart. These members (12) are secured at their respective ends to the side members (9) of the rack. An egg is adapted to be positioned between each of the rods or members 12 and it will therefore be obvious that as the apron 6 travels upon the rollers 2 that the eggs will be readily 75 allowed to rotate without coming in contact with each other.

What I claim as my invention is:

In a device of the kind described, a frame, a roller adjacent each end of the frame and 80 extending transversely across said frame, an endless apron extending over said rollers and provided with an opening in its under portion, and a guard screen of wire fabric carried on said frame between said rollers and in spaced relation to the upper and lower portions of said apron, whereby an object introduced through the opening is prevented from striking against the upper portion of said apron. 90

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

GEORGE F. BOYER.

Witnesses:

H. J. SUNDERLAND,
JOE ANDERSON.