

G. E. FOSEBROKE.
 DISPLAY APPARATUS.
 APPLICATION FILED OCT. 11, 1909.

976,160.

Patented Nov. 22, 1910
 2 SHEETS—SHEET 1.

Fig. 1.

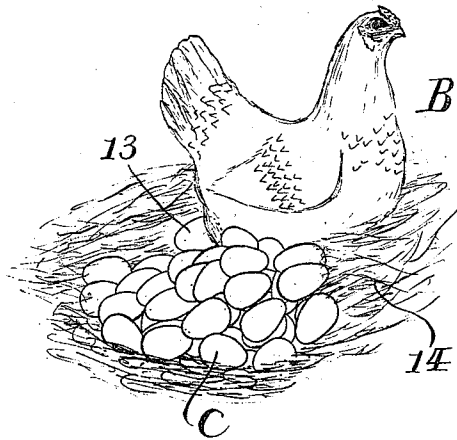
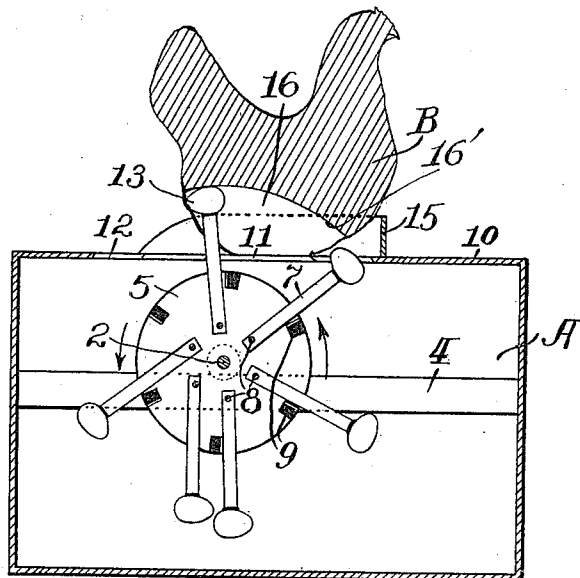


Fig. 2.



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2 SHEETS-SHEET 2.

Fig. 3.

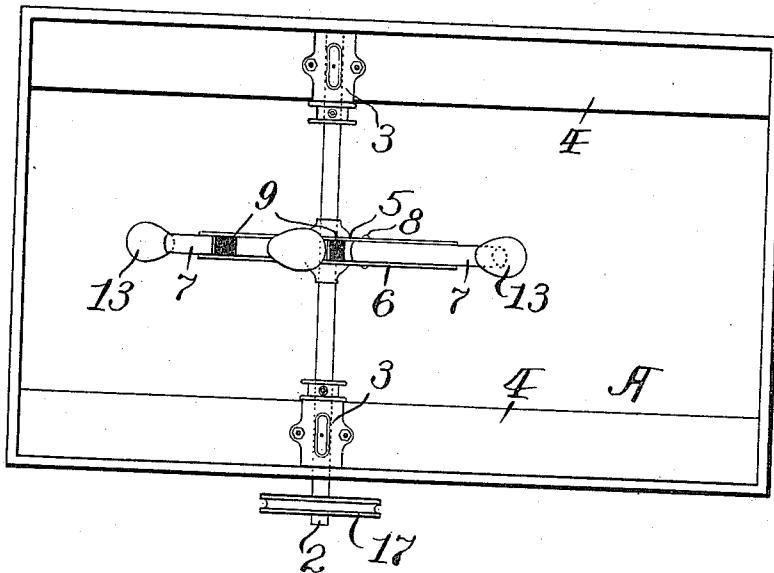
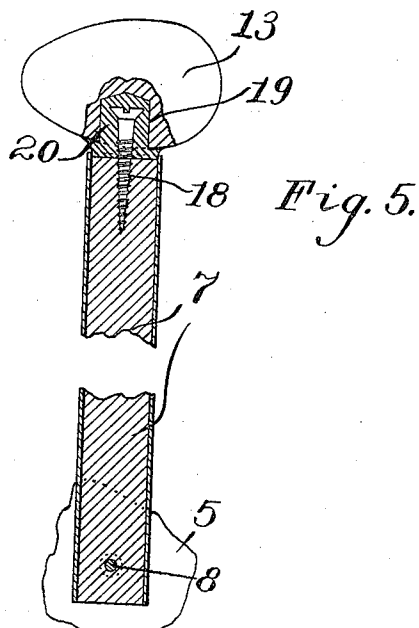
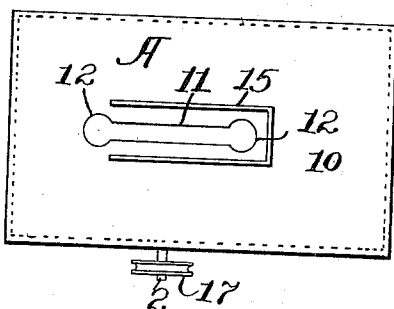


Fig. 4.



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UNITED STATES PATENT OFFICE.

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DISPLAY APPARATUS.

976,160.

Specification of Letters Patent. Patented Nov. 22, 1910.

Application filed October 11, 1909. Serial No. 522,004.

To all whom it may concern:

Be it known that I, GERALD E. FOSBROKE, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and useful Improvement in Display Apparatus, of which the following is a specification.

My invention relates to improvements in display apparatus and more particularly has to do with that class which is employed for advertising purposes.

The primary object of my invention is to produce apparatus which is adapted to imitate a hen laying eggs.

In the accompanying drawings forming part of this specification, Figure 1 is a view illustrating a hen sitting upon a nest and laying eggs as appears in my invention; Fig. 2 is a side elevation in longitudinal section of the apparatus embodying my invention; Fig. 3 is a plan of the frame with the cover removed; Fig. 4 is a plan of the frame on a smaller scale than illustrated in Fig. 3 showing the cover in place and the hen and nest removed, and Fig. 5 is a detail side view partly in section of one of the arms which is mounted upon the spindle and which carries one of the eggs.

In the drawings A represents a suitable inclosing frame in which is suitably journaled a substantially horizontal spindle 2 the ends of which are journaled in bearings 3 upon longitudinal supports 4 in the frame. Secured to the spindle 2 substantially midway between its ends are two disks 5 and 6 which are spaced a short distance apart and between which are placed the inner ends of a plurality of radiating arms 7. These arms are each journaled by their inner ends upon pins 8 which are equally spaced apart around the axis of the spindle so that they are free to move between the disks circumferentially when the spindle is revolved slowly. Transverse stops 9 are also equally spaced apart circumferentially between the disks, one stop being provided for each arm. The distance between and position of the stops on the disks is such that each arm is elevated by a stop and the arm so raised is permitted after reaching superior position to fall forward against the stop next in advance of it. Thus as each arm passes over the axis of the spindle its speed is accelerated by dropping. The top or cover 10 of the frame is formed with a slot 11 through

which the arms swing during the upper portion of each cycle the ends of said slot being slightly enlarged at 12 to admit dummy eggs 13 made of naphthalene or other suitable material which are secured to the outer ends of said arms. A dummy hen B made of plastic material, a stuffed hen or otherwise constructed as desired is placed upon the cover of the frame. A nest 14 made of straw or other suitable material is also built around the hen on the cover and is nearly filled with real or dummy eggs to cause the inference that the hen is a prolific layer. A guard 15 is built around the slot 11 in the cover to prevent the straw or other material out of which the nest is built, getting into the slot and impeding or preventing the operation of the spindle. The dummy hen is either solid or hollow and the lower portion of its body is formed with a longitudinal opening or passageway 16. The hen is placed in the guard with its opening 16 over the slot 11 so that the dummy eggs C carried by the spindle will during their progress pass up through said passageway 16 and egress from the hen as though the hen were laying them. To more perfectly imitate laying, the spindle is so positioned with relation to the hen that each arm will drop immediately after the egg which it carries, appears egressing from the body of the hen and the egg as it is about to egress raises the hen a short distance. After the egg egresses the hen settles down. The eggs C in the nest are clustered around the slot 11 and the guard 15 so that it is difficult to detect the eggs carried by the spindle disappearing. The upper side 16' of the opening 16 curves down toward the tail end of the hen so that each egg on the spindle impinges upon said side and gradually raises the hen. One end of the spindle projects through the inclosing frame and carries a drive pulley 17 by which it is revolved slowly in the direction of the arrows illustrated in Fig. 2. The spindle may be driven by any actuating mechanism desired. The dummy eggs may be made out of any suitable material the construction shown illustrating eggs made out of naphthalene and secured to the arm by fastening a screw 18 into the end of each arm making a hole 19 in the side of the egg and then casting cement 20 around the head of the screw in said opening and on the end of the arm. When the device operates, the

movement of the hen imparted by the eggs on the spindle produces life like appearance.

By the terms "dummy hen" and "dummy egg" used in the specifications of my invention, are meant any imitative devices representing natural objects which perform appropriate actions.

In accordance with the patent statutes I have described the principles of operation of my invention together with apparatus which I now consider to represent the best embodiment thereof but I desire to have it understood that the construction shown is only illustrative and that the invention can be carried out by other means and applied to uses other than those above set forth within the scope of the following claims.

Having described my invention, what I claim as new and desire to protect by Letters Patent is:—

1. Display apparatus comprising, in combination, a horizontal spindle, a gravity arm adapted to move in a vertical plane, a stop between said spindle and arm and adapted to raise said arm into elevated position as said spindle turns and permitting the free end of said arm to drop after said stop passes above the axis of said spindle, a supporting frame, a dummy hen through which the arm passes and drops as it egresses and a dummy egg carried upon the free end of said arm.

2. A display apparatus comprising, in combination, a substantially horizontal spindle, an arm pivoted on said spindle and adapted to drop freely in a substantially vertical plane through a restricted arc, a dummy egg carried on said arm, a supporting frame, and a dummy hen through which said arm is adapted to move, and which is so disposed that said egg passes from said hen as the pivoted arm begins to drop by gravity through its restricted arc, thus giving

the appearance of life-like action to said hen.

3. Display apparatus comprising, in combination, a dummy hen, a dummy egg, and a drop support adapted to carry said egg through said hen.

4. Apparatus of the class set forth, comprising, a dummy egg, movable means for supporting and adapted to move said egg, a support, and a dummy hen movably mounted on said support and having a passageway through the body thereof and adapted to receive said egg in its movement, said hen being adapted to be moved by said egg moving means simultaneously with the passage of the egg through the body of the hen.

5. Apparatus of the class set forth, comprising, a dummy egg, actuating mechanism carrying said egg, and a dummy hen past which said egg is adapted to be moved by said actuating mechanism to imitate said hen laying said egg.

6. Display apparatus, comprising, a support, a dummy hen movably mounted on said support and having a passageway therein, a dummy egg, and a movable member supporting said egg and adapted to carry it through said passageway, said hen being normally disposed in the path of the egg and adapted to be moved thereby.

7. Display apparatus, comprising, a dummy hen, a dummy egg, and means for passing said egg through said dummy hen to represent said dummy hen laying said egg.

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

GERALD E. FOSBROKE.

Witnesses:

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