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J. J. GORA ET AL

2,256,340

TOY HEN

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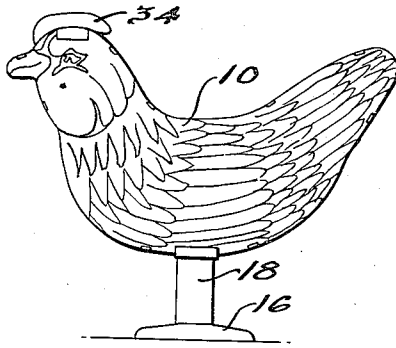


FIG. 1.

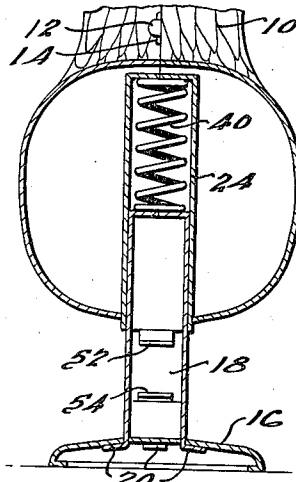


FIG. 3.

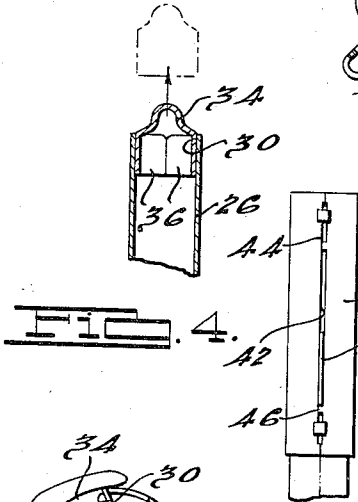


FIG. 4.

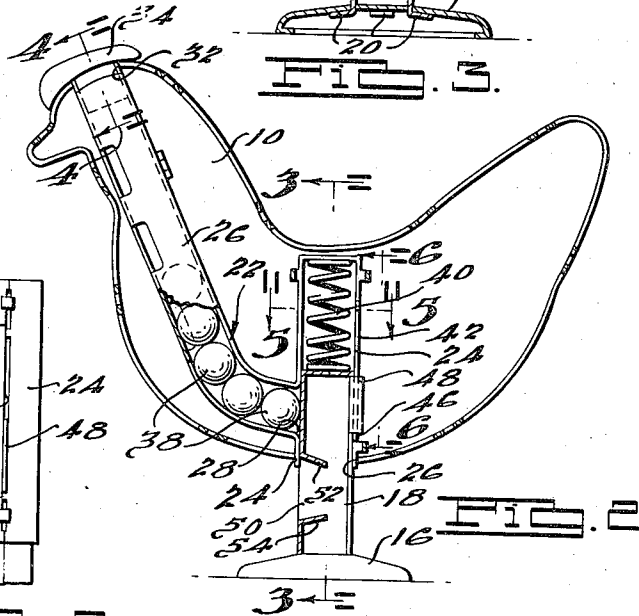


FIG. 2.

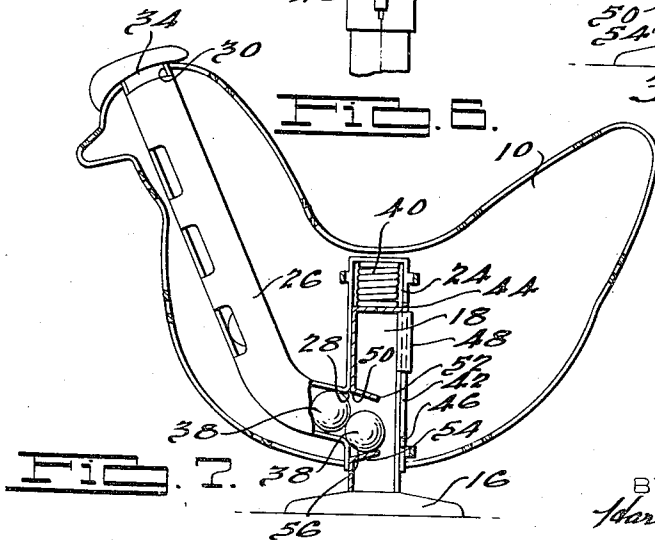


FIG. 7.

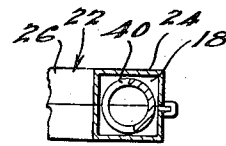


FIG. 5.

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2,256,340

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6 Claims. (Cl. 46—124)

The present invention relates to improvements in toys and particularly relates to improvements in toy hens.

One of the primary objects of the present invention is to provide improvements in toys simulating a hen or other fowl which is operable to discharge a pellet, simulating the laying of an egg.

A further object of the invention is to provide improvements in toys of the type mentioned in which a minimum of operable parts are used and in which such parts are of a simple construction which may be readily assembled, thereby providing substantial economies in manufacture.

Other objects of the invention will become apparent from the following specification, the drawing relating thereto and the claims hereinafter set forth.

In the drawing in which like numerals are used to designate like parts throughout the several different views:

Fig. 1 is a side elevational view of a toy hen embodying features of the present invention;

Fig. 2 is an enlarged, vertical cross-sectional view with parts in elevation of the structure shown in Fig. 1;

Fig. 3 is a vertical, cross-sectional view taken substantially along the line 3—3 of Fig. 2;

Fig. 4 is a fragmentary, cross-sectional view taken substantially along the line 4—4 of Fig. 2;

Fig. 5 is a cross-sectional view taken substantially along the line 5—5 of Fig. 2;

Fig. 6 is a rear elevational view taken substantially along the line 6—6 of Fig. 2; and,

Fig. 7 is a view similar to Fig. 2 showing the toy in a different operating position, namely in its depressed position.

Referring to the drawing, the toy is illustrated in the configuration of a hen but it is to be understood that it may be formed to represent some other species of fowl if desired. The hen comprises a body portion 10 which is formed of sheet metal stampings in complementary, half sections which are joined and held together by means of tabs 12, provided on one of the halves which cooperate with eye projections 14 formed on the other section. Such eye projections 14 and tabs 12 may be provided around the line of juncture of the half sections at suitable spaced intervals.

The hen is mounted upon a standard which includes a base 16 and an upstanding tubular member 18. The member 18 may be secured to the base by means of tabs 20 which extend

through suitable openings in the base 16 and are bent outwardly thereagainst.

The toy is so constructed that in operation it simulates the laying of eggs, and the simplified mechanism for forming the magazine for the eggs and the dispensing means includes a sheet metal stamping member generally indicated at 22 which is positioned within the body 10. Such member 22 includes an upstanding, central, hollow member 24 which is disposed substantially centrally of the body 10. The member 24 has an open lower end which extends through an opening formed in the body of the hen, with the upper end of the member 24 closed.

The member 22 also includes a downwardly directed, hollow, conduit member 26 which communicates with the interior of the member 24 through an opening 28 and which has the upper end thereof open, as indicated at 30. The member 26 is so constructed and arranged that it extends upwardly within the body of the hen to a position within the head and extends through an opening 32 formed in the head of the body 10. A closure 34, which may simulate the comb, has downwardly and inwardly bent side portions 36 which are telescopically received within the upper end of the member 26 to provide a removable closure therefor. The member 26 forms a conduit within which a plurality of round pellets 38, which generally simulate eggs, are disposed. The upper or inlet end of the conduit 26 is preferably made of slightly less cross-sectional area than the area of the remaining portion thereof and the area of member 18. Thus, oversize pellets cannot be introduced which would clog the passageways through the toy and jam within the operating parts.

Edge portions of the member 22 abut against portions of the body 10 when the sections forming such body are assembled so that the member 22 is securely fixed in position with respect to the body 10.

The member 18 is hollow and is generally complementary in shape to the shape of the hollow member 24, so that such member 18 extends through the lower open end of the member 24 and is telescopically received therein. A spiral spring 40 is disposed within the member 24 and abuts against the closed upper end of the member 18 and the closed upper end of the member 24 so that the members 18 and 24 are normally urged apart or in their extended position.

A slot 42 is formed in the rear face of the member 24, and tabs 44 and 46 are so formed in the member 24 that they project across the slot

42 adjacent the upper and lower ends thereof, respectively. Such tabs 44 and 46 form stops against which a projection 48 abuts at the end of its travel. Such projection 48 is in the form of an out-struck tab integral with the member 18 and is slidably received within the slot 42. Thus the projection 48 and the lower tab 46 serve to limit the outer movement of the member 18 with respect to the member 24 so that the body 10 cannot be separated from the standard 18 although it may be moved relative thereto.

An opening 50 is provided through the front face of the member 18 and is so positioned that it is normally exterior of the body 10 when the body 10 is in its upper position, as shown in Fig. 2. The member 18 is also formed with an inwardly and downwardly struck tab 52, located adjacent the top edge of the opening 50, and an inwardly and upwardly struck tab 54, located adjacent the bottom edge of the opening 50.

The opening 50 is preferably of such a size and so arranged with respect to the size and position of the opening 28 that when the body 10 is depressed from the position shown in Fig. 2 to that shown in Fig. 7, the opening 50 is substantially aligned with the opening 28. The opening 50 is preferably slightly larger than the opening 28 so that in the fully depressed position, as shown in Fig. 7, the upper edge of the opening 50 is substantially flush with the upper edge of the opening 28, and the lower edge of the opening 50 is disposed downwardly of the lower edge of the opening 28. Thus, with the openings in the positions shown in Fig. 7, one only of the pellets 38 will pass through openings 28 and 50 so that such pellet is supported upon the member 54 and will abut against an edge portion 56 of member 24 slightly below the opening 28. Such pellet 38 thus will remain within the member 18 when the body 10 is allowed to return to its upper position and will not move back into the member 26. Also, as the body 10 returns to its upper position the upper edge of the opening 50 will abut against the next succeeding pellet 38 so that such next succeeding pellet cannot pass into the member 18 and will be retained within the member 26 so that the operation does not become jammed and so that a single pellet only is disposed within the member 18.

When the body 10 returns to its upper position it will thus be seen that the opening 50 returns to the position shown in Fig. 2; and, since the pellet 38, which has just been deposited in the member 18 is resting upon the downwardly and outwardly sloping element 54, such pellet will drop from the conduit 18.

The member 18, including the tabs 20, the elements 52 and 54, the projections 48, and the flaps forming the closed top, are all formed of a single sheet metal stamping. Also, the stop members 44 and 46 and the tabs interconnecting the abutting edges of such members are formed of a single sheet metal stamping. Thus, a relatively inexpensive and economical construction is provided which is simple in its operation.

A sounding device simulating the cackling of the hen may be provided which may include a diaphragm member having a vibrator associated therewith which may be mounted on the member 24. The projection 48 may have its edge serrated, and be engaged by the vibrator. Thus, as the body of the hen is reciprocated, the vibrator is actuated to produce the noise, above mentioned.

What is claimed is:

1. A toy comprising a body simulating a fowl, said body having a first opening formed therein adjacent the bottom thereof, an upright, hollow member mounted within said body in alignment with said first opening, a first conduit member disposed within said body and communicable with the interior of said hollow member through a second opening, said first conduit member being constructed to receive pellets, a second conduit member extending through said first opening and telescopically received within said hollow member, resilient means associated with said hollow and second conduit members normally urging said members apart and urging said body to an upper position, said second conduit member having an opening formed therein, the construction and arrangement of said second and last named openings being such that they are aligned when said body is depressed so that a pellet passes into said second conduit member and remains therein until said body returns to its upper position when said pellet drops out of said last named opening.

2. A toy comprising a body simulating a fowl, said body having a first opening formed therein adjacent the bottom thereof, an upright, hollow member mounted within said body in alignment with said first opening, a first conduit member disposed within said body, said first conduit member being directed downwardly and communicable with the interior of said hollow member through a second opening, said first conduit member being constructed to receive pellets, a second conduit member extending through said first opening and telescopically received within said hollow member, resilient means associated with said hollow and second conduit members normally urging said members apart and urging said body to an upper position, said second conduit member having an opening formed therein, the construction and arrangement of said second and last named openings being such that they are aligned when said body is depressed so that a single pellet passes into said second conduit member, means to retain said pellet within said second conduit member until said body returns to its upper position when said pellet drops out of said last named opening.

3. A toy comprising a body simulating a fowl, said body having a first opening formed therein adjacent the bottom thereof, an upright, hollow member mounted within said body in alignment with said first opening, a first conduit member disposed within said body, said first conduit member being directed downwardly and communicable with the interior of said hollow member through a second opening, said first conduit member being constructed to receive pellets, a second conduit member extending through said first opening and telescopically received within said hollow member, resilient means associated with said hollow and second conduit members normally urging said members apart and urging said body to an upper position, said second conduit member having an opening formed therein, the construction and arrangement of said second and last named openings being such that they are aligned when said body is depressed so that a single pellet passes into said second conduit member, means to retain said pellet within said second conduit member adjacent said last named opening until said body returns to its upper position when last named

opening is exposed and said pellet drops out of said last named opening.

4. A toy comprising a body simulating a fowl, said body having a first opening formed therein adjacent the bottom thereof, an upright, hollow member mounted within said body in alignment with said first opening, a first conduit member disposed within said body, said first conduit member being directed downwardly and communicable with the interior of said hollow member through a second opening, said first conduit member being constructed to receive pellets, a second conduit member extending through said first opening and telescopically received within said hollow member, resilient means associated with said hollow and second conduit members normally urging said members apart and urging said body to an upper position, said second conduit member having an opening formed therein, the construction and arrangement of said second and last named openings being such that they are aligned when said body is depressed so that a single pellet passes into said second conduit member, means to retain said pellet within said second conduit member adjacent said last named opening until said body returns to its upper position when said last named opening is exposed and said pellet drops out of said last named opening, said last named means including an element disposed within said second conduit member sloping downwardly and outwardly toward the bottom of said last named opening.

5. A toy comprising a body simulating a fowl, said body having a first opening formed therein adjacent the bottom thereof, an upright, hollow member mounted within said body in alignment with said first opening, a first conduit member disposed within said body, and having an opening in the upper end thereof, said first conduit member being directed downwardly and communicable with the interior of said hollow member through another opening, said first conduit member being constructed to receive pellets through the upper end thereof, a second conduit member extending through said first opening and telescopically received within said

hollow member, resilient means associated with said hollow and second conduit members normally urging said members apart and urging said body to an upper position, an aperture formed in said second conduit member, the construction and arrangement of said another opening and said aperture being such that they are aligned when said body is depressed so that a single pellet passes into said second conduit member, means to retain said pellet within said second conduit member adjacent said aperture until said body returns to its upper position when said aperture is exposed and said pellet drops out of said aperture.

6. A toy comprising a body simulating a fowl, said body having a first opening formed therein adjacent the bottom thereof, an upright, hollow member mounted within said body in alignment with said first opening, a first conduit member disposed within said body, and having an opening in the upper end thereof, said first conduit member being so positioned within said body that the upper end thereof extends through the head of the fowl and being directed downwardly and communicable with the interior of said hollow member through another opening, said first conduit member being constructed to receive pellets through the upper end thereof, a second conduit member extending through said first opening and telescopically received within said hollow member, resilient means associated with said hollow and second conduit members normally urging said members apart and urging said body to an upper position, an aperture formed in said second conduit member, the construction and arrangement of said another opening and said aperture being such that they are aligned when said body is depressed so that a single pellet passes into said second conduit member, means to retain said pellet within said second conduit member adjacent said aperture until said body returns to its upper position when said aperture is exposed and said pellet drops out of said aperture.

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