

No. 894,638.

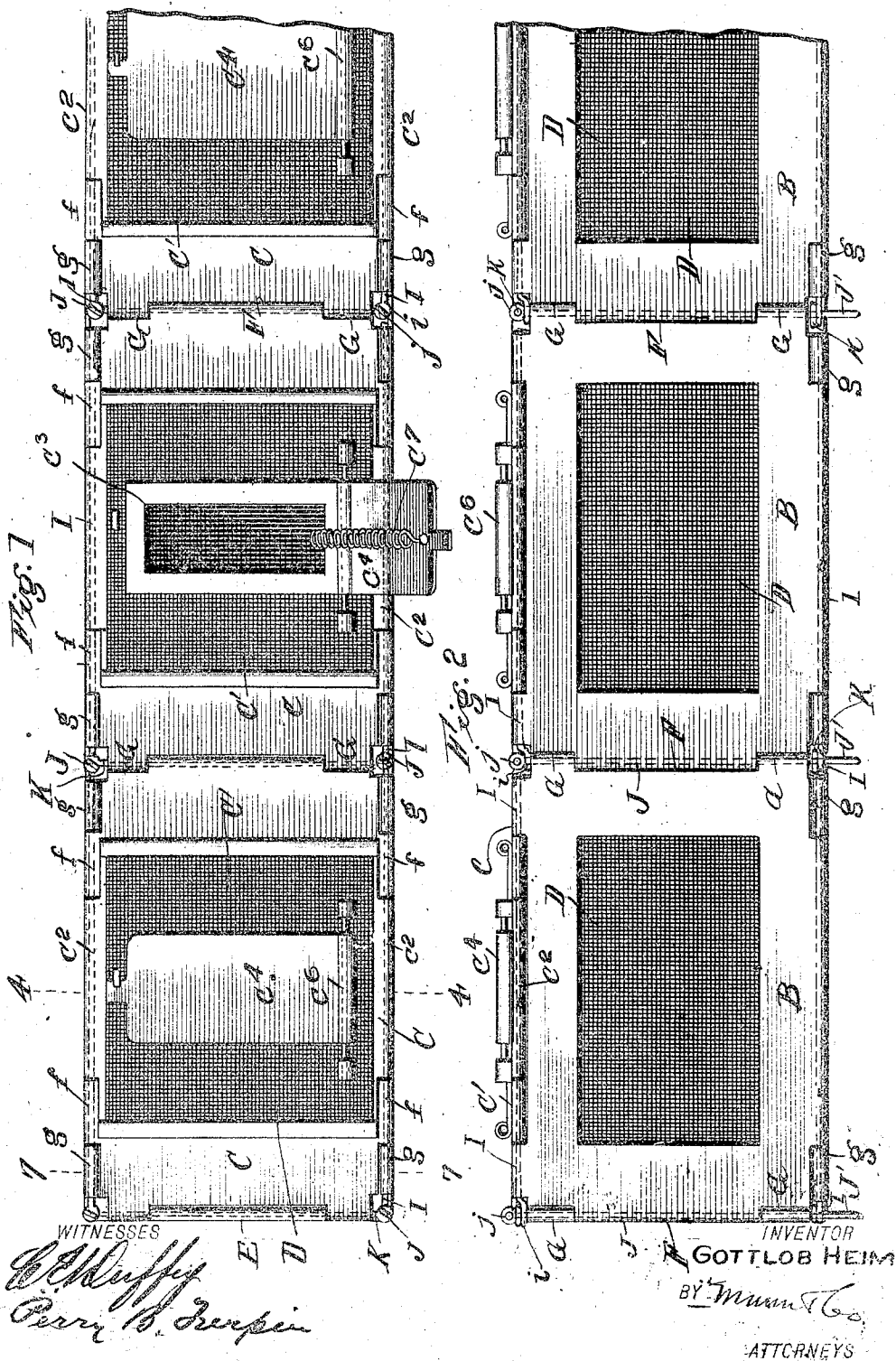
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G. HEIM.

COOP AND CRATE.

APPLICATION FILED JUNE 27, 1906.

2 SHEETS—SHEET 1.



UNITED STATES PATENT OFFICE.

GOTTLOB HEIM, OF NEWPORT NEWS, VIRGINIA.

COOP AND CRATE.

No. 894,638.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed June 27, 1906. Serial No. 323,592.

To all whom it may concern:

Be it known that I, GOTTLOB HEIM, a citizen of the United States, and a resident of Newport News, in the county of Warwick and State of Virginia, have made certain new and useful Improvements in Coops and Crates, of which the following is a specification.

My invention is an improvement in coops and consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawings—Figure 1 is a top plan view, and Fig. 2 is a side view of a coop embodying my invention. Fig. 3 is an end elevation of the coop. Fig. 4 is a cross section on about line 4—4 of Fig. 1. Fig. 5 is a detail perspective view of one end of one of the units. Fig. 6 is a detail perspective view of the other end of a meeting unit, and Fig. 7 is a cross section on about line 7—7 of Fig. 1.

By my invention I provide a coop or crate which may be made of one or more units and in which units may be added to increase the capacity of the coop to any desired practicable extent, and in practice I prefer to make the units alike so that they can be readily added and removed and so repairs can be readily effected whenever required.

As shown I construct the units of the coop or crate each, see Figs. 4, 5 and 6, with a bottom A, sides B and a top C, and the sides and top may preferably be in the form of frames having any suitable foraminous covering as illustrated at D in Figs. 1, 2, 5 and 6. The coop or crate also has end sections E which may be applied to the opposite ends of the same unit when a coop composed of a single unit or section is employed or may be arranged at the ends of the coop when composed of several units, and these ends E may also be provided with the foraminous covers such as shown at D. Each coop or crate unit has its sections provided at one end with the intermediate loops F and the side loops G and as shown in Figs. 5 and 6 it may be preferred to provide the intermediate loops on the ends of the top and bottom sections C and A adjacent to the side loops G on the adjacent ends of the corresponding side sections B, so the loops F of the top and bottom sections, at the juncture of one unit with another may fit between the side loops G of a meeting section and the intermediate loops F of the sides B of said meeting section may fit between the side

loops G on the side sections of the first named unit as will be understood from Figs. 5 and 6 of the drawings. The loops F and G are provided at the ends of the sections A, B and C and the sides of these sections are provided with corresponding intermediate loops *f* and side loops *g*, see Figs. 1, 2, 5 and 6 and the registering loops F and G and *f* and *g* are secured by pintle rods arranged as illustrated in Figs. 1, 2, 3 and 4 of the drawings. The pintle rods I for uniting the loops *g* and *f* pass through their registering loops and are provided at one end with eyes *i* through which eyes are passed the upright rods J having at their upper ends eyes *j*, the lower ends of the rods J being bent at *J'*, see Fig. 3 to form feet upon which the coop or crate may rest. These rods J also pass through eyes *k* at the ends of transverse rods K so the rods J when applied as shown in Fig. 3 and bent at their lower ends will operate to secure the units of the coop together as desired, and may be withdrawn by straightening out their bent ends *J'*, which units may then be collapsed and separated if desired. I thus provide the transverse rods K, the longitudinal rods I and the upright rods J passing through their respective coincident loops, at the meeting ends of the units and operating to secure the coop when the units are connected as shown in Figs. 1 and 2 and also operating to secure the ends E of the coop, whether such ends be secured in connection with the opposite ends of a single unit or at the opposite ends of a coop or crate constituting the several units as will be understood from Figs. 1, 2 and 3 of the drawings.

It will be noticed from Figs. 1 and 2, that the longitudinal rods I are provided with the eyes *i* at one end only and the transverse rods K are also provided with the eyes *k* at one end only, this sufficing to secure the parts when the upright rods J are applied and secured as before described.

The top section C has an intermediate removable portion C' in the form of a door and having at its ends loops C² which are secured by the longitudinal rods. This intermediate portion C' may be released at one side and turned on its opposite loop C² as a hinge, thus forming a large door when it is desired to have free access to the interior of the coop or crate. This removable portion C' has a small opening C³ and a hinged spring actuated door C⁴ controlling the small opening hinged at one side at C⁶ and actuated by the

spring C⁷ normally to closed position. This door C⁴ is useful when it is desired to simply provide a hand opening through which a chicken or any article, may be placed into or removed from the coop or crate.

The coop or crate may be manufactured out of any suitable material, for instance, as wood, sheet metal or wire mesh.

I claim—

1. The improvement in coops or crates herein described comprising a series of units each composed of top, bottom and side sections provided at their side edges with registering loops and having the ends of each section provided with loops registering with loops at the ends of the corresponding section of a meeting unit, longitudinal wires passing through the loops at the sides of the sections, transverse rods passing through the tops and bottoms of meeting units, said transverse and longitudinal rods having coincident eyes at their ends and the upright rods passing through said coincident eyes and through the loops at the meeting ends of the side sections of the adjacent units, substantially as and for the purpose set forth.

2. A coop or crate comprising a section having bottom, top and side portions having at their side edges coincident loops and longitudinal rods extending through the same and provided at their ends with eyes, the sides, top and bottom portions being also provided with loops and a section abutting said first section and having corresponding top and side loops, a transverse rod provided at its ends with eyes registering with the eyes

in the longitudinal rods and upright rods passing through the said eyes, substantially as set forth.

3. A coop or crate provided at its ends with loops and at the juncture of its sides, top and bottom with registering loops, transverse rods passing through the top and bottom loops and longitudinal rods passing through the side loops, said transverse and longitudinal rods having registering or coincident end eyes, and upright rods passing through the registering or coincident eyes of the transverse and longitudinal rods, substantially as set forth.

4. A coop or crate having a top section provided with an intermediate portion forming a door and having an opening and a door controlling said opening, such intermediate portion in connection with said top section being provided at its ends with loops and longitudinal rods passing through said loops for securing the intermediate portion substantially as set forth.

5. A coop having sections provided with registered loops, rods passed through their respective registered loops and arranged at right angles to each other and having at their ends coincident loops and rods passed through said coincident loops and also through aligned registered loops on the sections, all substantially and for the purposes set forth.

GOTTLOB HEIM.

Witnesses:

JNO. B. LOCKE,
W. R. PERKINS.