J. E. HARKER.

EGG CASE CARRIER.

APPLICATION FILED NOV. 4, 1907.

899,531.

Patented Sept. 29, 1908.

Fig. 1.

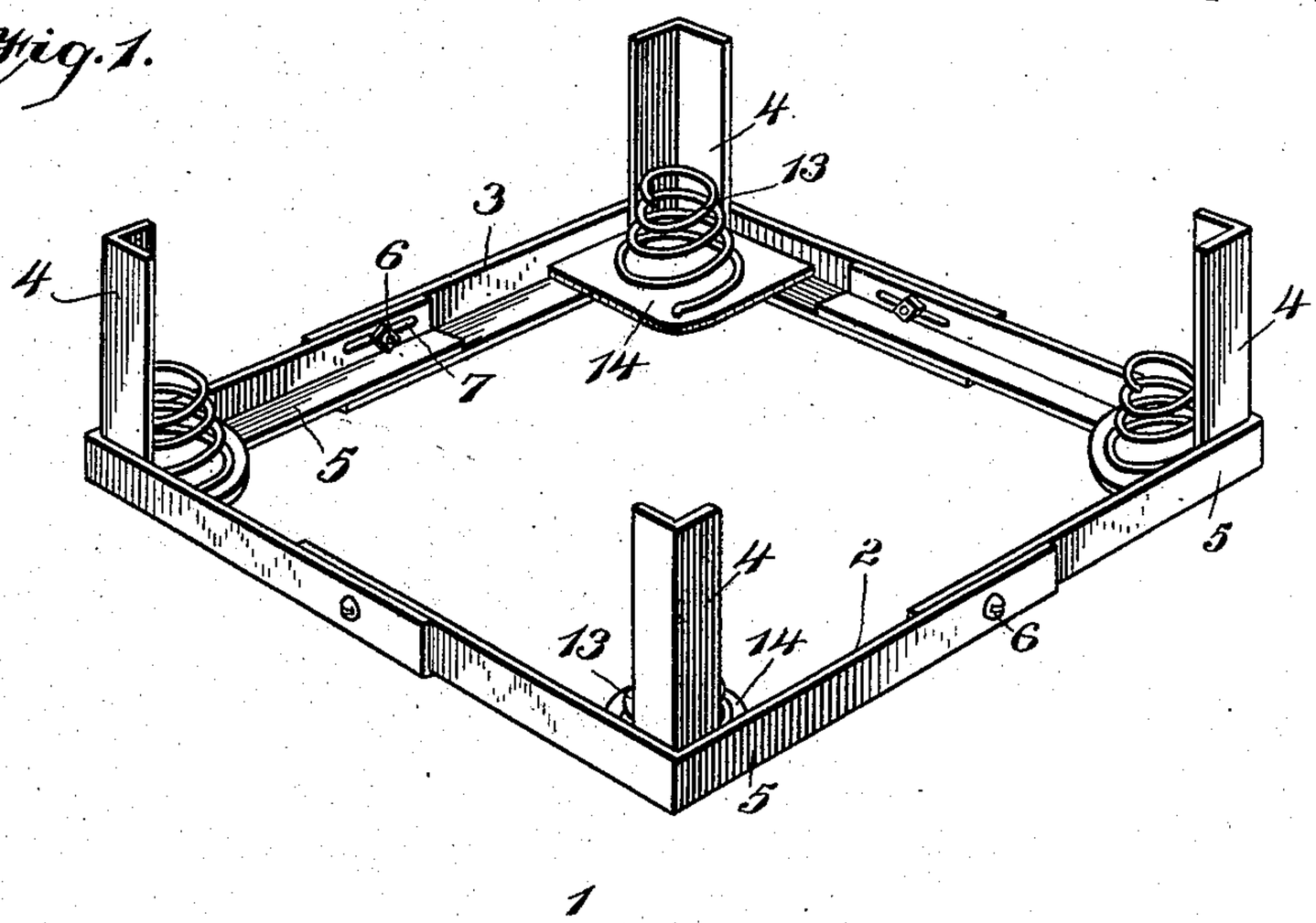

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Fig. 2.

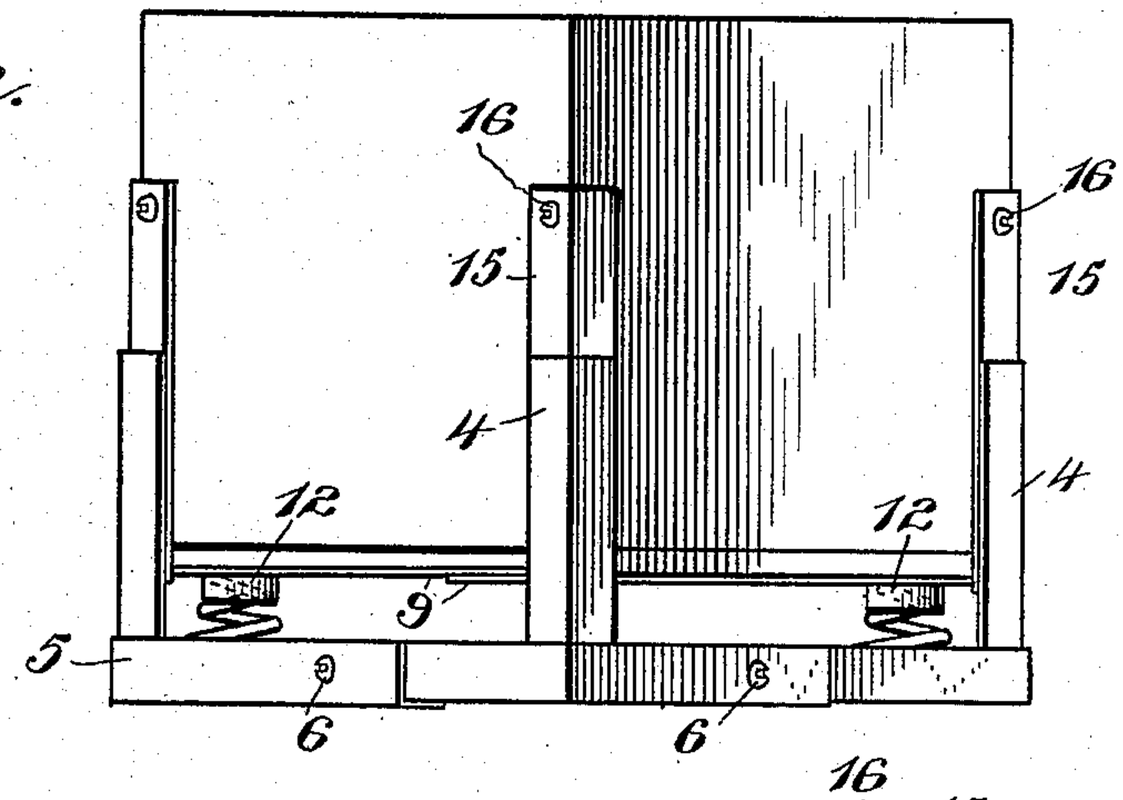
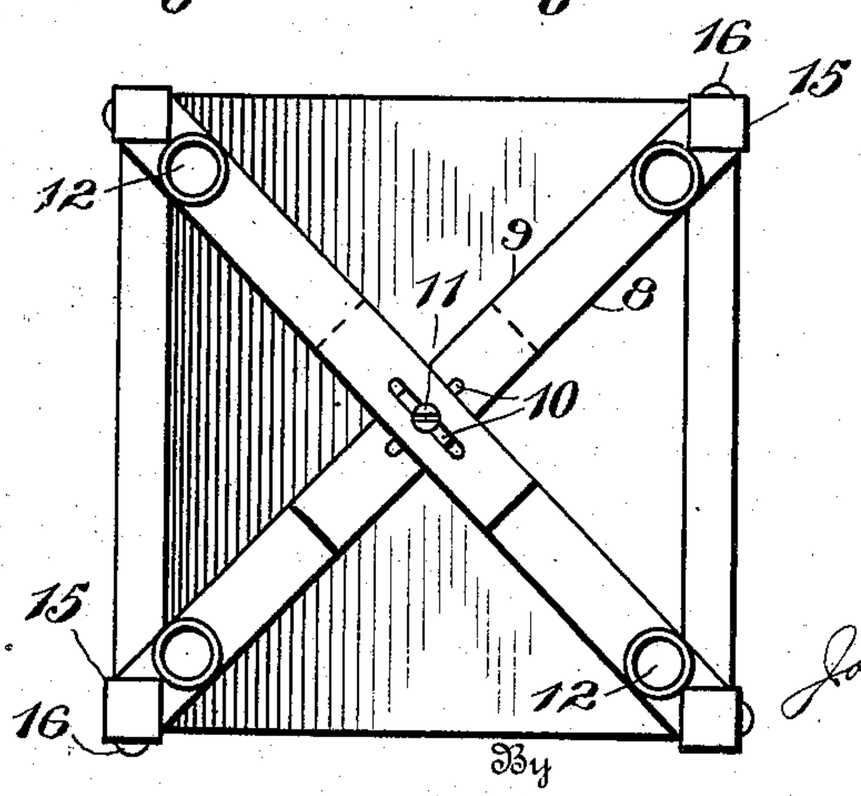


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN E. HARKER, OF SPIRIT LAKE, IOWA.

EGG-CASE CARRIER.

No. 899,531. Specification of Letters Patent. Patented Sept. 29, 1908.

Application filed November 4, 1907. Serial No. 400,686.

To all whom it may concern:

Be it known that I, JOHN E. HARKER, a citizen of the United States, residing at Spirit Lake, in the county of Dickinson and State of Iowa, have invented certain new and useful Improvements in Egg-Case Carriers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to egg case carriers and has for its object to provide a device of this class for carrying egg cases in such manner that the contents of the case will be protected during transit and the possibility of breaking the eggs will be reduced to a minimum.

With this object in view my invention consists in the novel construction of the carrier.

My invention also consists in the novel construction of the harness for the egg case.

My invention also consists in certain other novel features of construction and in combinations of parts which will be first fully described and afterwards specifically pointed out in the appended claims.

Referring to the accompanying drawing: Figure 1 is a perspective view of the carrier. Fig. 2 is an elevation showing egg case in position in carrier, and Fig. 3 is a bottom plan view of the egg case showing harness thereon.

Like numerals of reference indicate the same parts throughout the several figures in which;—

1 indicates the egg case and 2 the carrier; the said case may be of any desired construction but preferably of the form as shown in the drawings. The carrier 2 comprises an angle frame 3 having suitable angle guides 4 to receive the case 1 as shown in Fig. 2, said angle guides 4 being suitably secured to the angle frame 3 in any convenient manner. As shown in Figs. 1 and 2 the angle frame 3 is made up of four corner sections 5 each section over-lapping the succeeding section and secured thereto by means of a bolt 6 and a slot 7. By this construction the carrier 2 can be adjusted to take cases of different sizes, and the carrier can also be adjusted to take cases of irregular shapes as is clearly evident.

The case 1 is provided on its bottom with what I term a harness 8, said harness comprising diagonal straps 9 extending diagonally across the bottom of the case, each strap 9 comprising two sections, the outer section of each strap 9 being provided with a slot 10 while a suitable screw or bolt 11 fastens the straps centrally as shown in Fig. 3. By means of this construction the harness can be adjusted to fit cases of different sizes or cases of irregular shape. Near the ends of the straps 9 I provide a cup 12, said cup being also shown in Fig. 2, and each cup is located so as to register with the coil springs 13 on the carrier 2, said coil springs 13 being arranged on a corner plate 14 securely fastened in each corner of the angle frame 3 as clearly shown in Fig. 1. The diagonal straps 9 of the harness 8 are provided at each corner with an angle corner post 15 within which corner posts the case enters, and by means of a screw 16 preferably near the upper end of each corner post 15 the case is securely held within its harness.

Having thus fully described the several parts of my invention its operation is apparent from the drawing. The harness 8 is adjusted to fit the case, and the carrier 2 is then adjusted to receive the case and its harness; the coil springs 13 enter the cups 12 while the angle corner posts 15 enter the angle guides 4 of the carrier as shown in Fig. 2. The case is thus resiliently held within the carrier in such manner that all shocks are taken up by the coil springs 13 thus protecting the contents of the case against breakage.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent of the United States is;—

1. A carrier for egg cases and the like comprising a suitable frame, guide pieces arranged in each corner of said frame, a harness for the case, said harness comprising angle corner posts adapted to be secured to the corners of the case, and means adapted to pass under the bottom of the case for connecting the said corner posts together, suitable springs arranged on said frame to receive said harness, substantially as described.

2. A carrier for egg cases and the like comprising a suitable frame and guide pieces arranged in each corner of said frame, means for adjusting said frame, a harness for the case, said harness comprising corner posts adapted to be secured to the corners of the case, means adapted to be passed under the

case to connect the said corner posts together, means for adjusting said corner posts connecting means, and suitable springs disposed on said frame to resiliently hold the same, substantially as described.

3. A carrier for egg cases and the like comprising an angle frame made up of sections, means for adjusting said frame, angle guide pieces disposed in the corners of said frame, a harness for the case, said harness comprising an angle corner post adapted to be secured to the corners of the case, and diagonal straps for connecting the said corner posts together under the case, means for adjusting said diagonal straps, a series of springs disposed on said frame under said diagonal straps, and means on said diagonal straps to receive said springs, substantially as described.

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

JOHN E. HARKER.

Witnesses:
MILTON S. DEWEY,
PAULINE SKYLLINGSTON.