

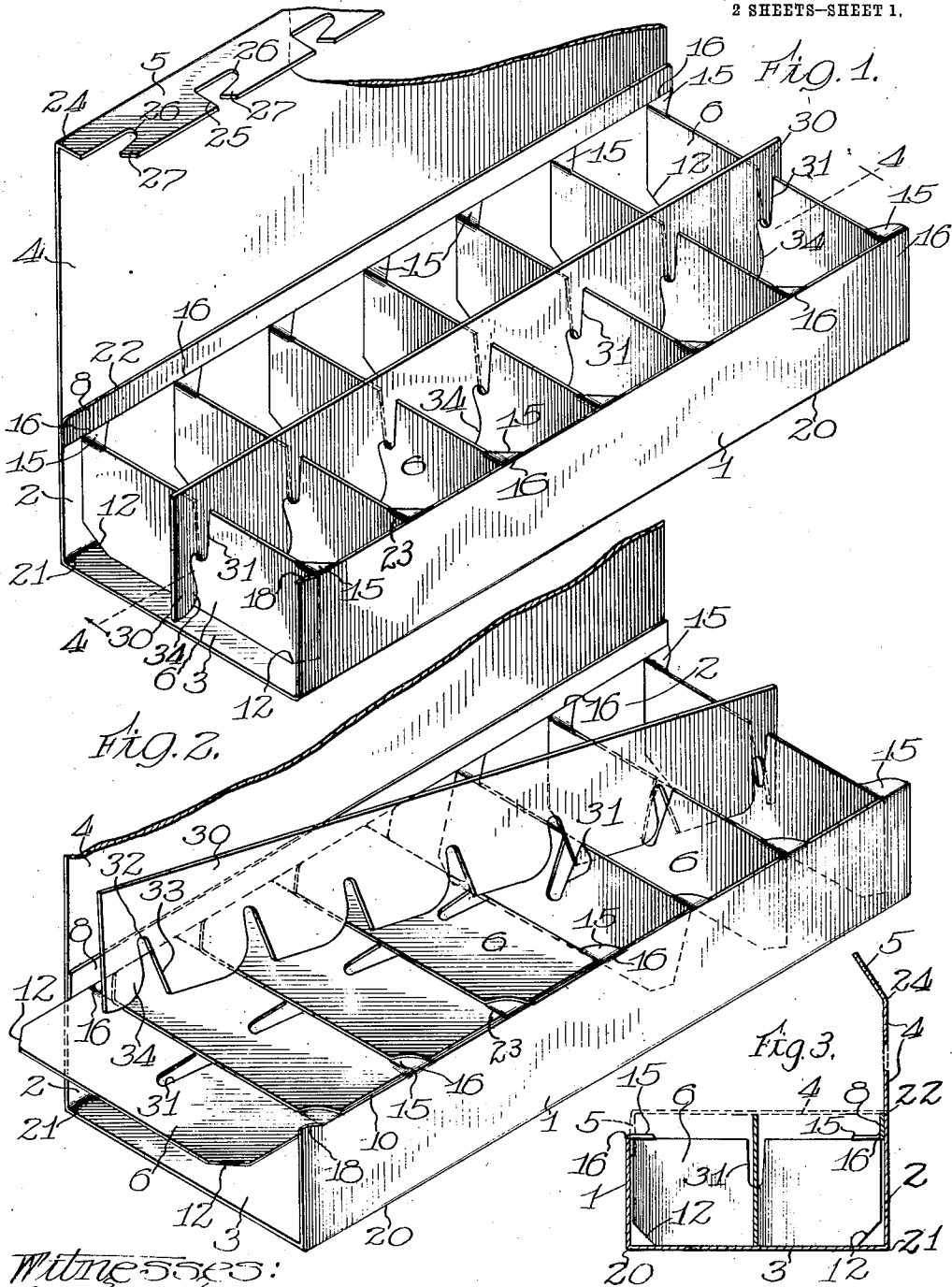
E. R. ASHTON.
CARTON.

APPLICATION FILED AUG. 11, 1911.

1,115,476.

Patented Nov. 3, 1914.

2 SHEETS—SHEET 1.



Witnesses:
H. D. Dumas Jr.
Charles J. Cobb

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Inventor:
Edwin R. Ashton
Kell & Kell, Attys.

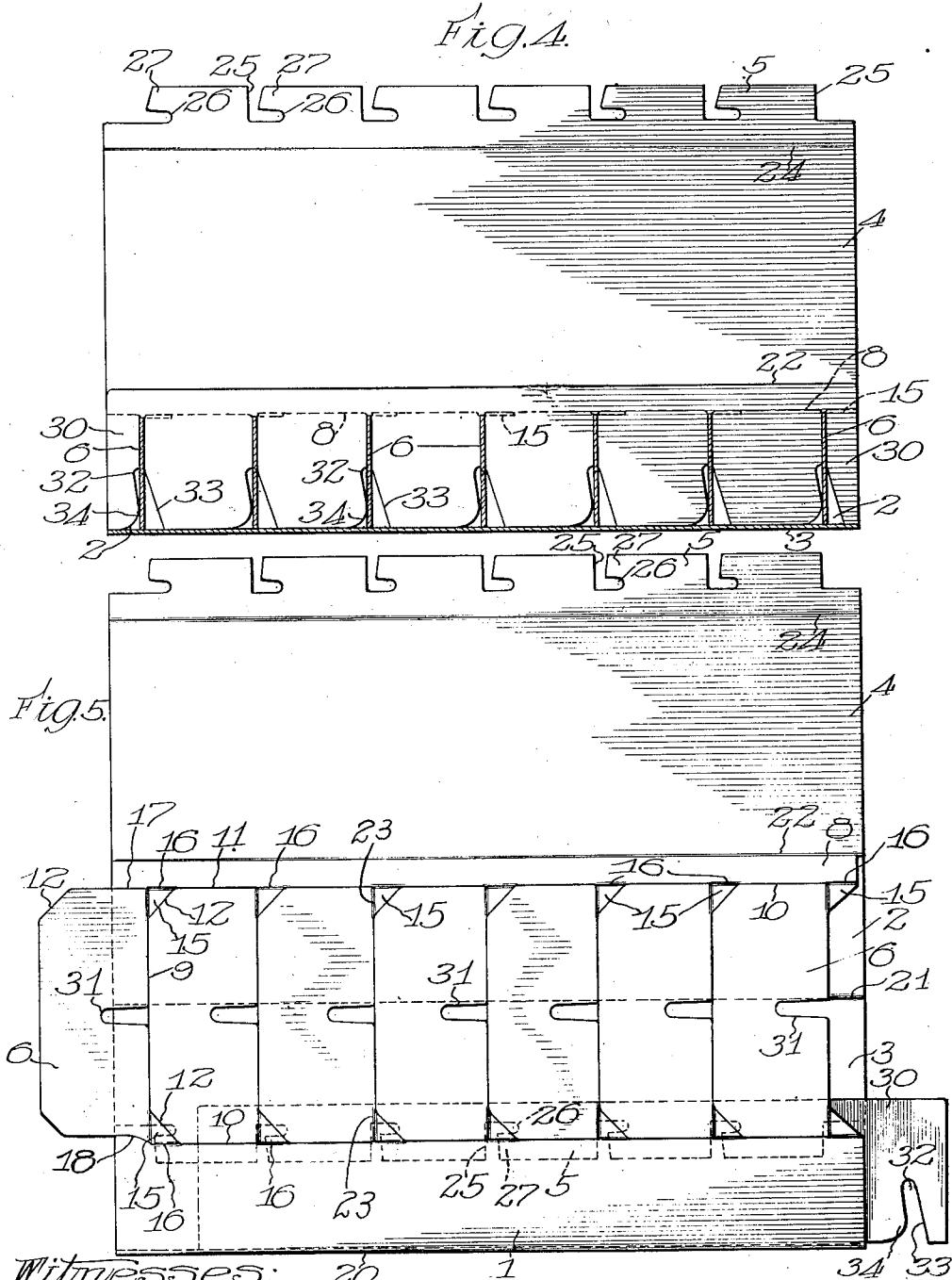
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BY: Hill & Hill Attys.

UNITED STATES PATENT OFFICE.

EDWIN R. ASHTON, OF CHICAGO, ILLINOIS, ASSIGNOR TO SELF LOCKING CARTON COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

CARTON.

1,115,476.

Specification of Letters Patent.

Patented Nov. 3, 1914.

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To all whom it may concern:

Be it known that I, EDWIN R. ASHTON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cartons, of which the following is a description.

My invention belongs to that general class of devices known as cartons, and relates particularly to a carton constructed of pasteboard, paper, or other suitable material, and divided into a plurality of cells or compartments.

The invention has among its objects the production of a carton that is simple, durable, efficient, compact and satisfactory; that may be economically manufactured, and which may be folded or knocked down for shipping, packing or storing, and quickly and easily unfolded or set up for use. The carton is particularly adapted for containing eggs or similar merchandise, but, of course, may be used wherever found applicable.

To this end my invention consists in the novel construction, arrangement and combination of parts herein shown and described, and more particularly pointed out in the claims.

In the drawings, wherein like reference characters indicate like or corresponding parts, Figure 1 is a perspective view of my preferred form of carton assembled with the cover open, a portion of the cover being omitted. Fig. 2 is a perspective view of a carton, a portion of the cover removed, illustrating the setting up or unfolding of the carton and the positioning of a longitudinal partition. Fig. 3 is a cross sectional view of the same. Fig. 4 is a longitudinal sectional view of the same, taken substantially on line 4, 4 of Fig. 1, and Fig. 5 is a plan view of the carton, partly folded or knocked down.

Referring to the drawings, in which the preferred construction is shown, 1 and 2 represent the sides of the carton, 3 the bottom, 4 the cover, 5 a locking strip on the cover, 6, 6, etc., a plurality of transverse partitions, and 8 a securing strip. The parts mentioned are preferably made of an in-

tegral piece of pasteboard or other suitable material, suitably cut and scored for folding and for setting up. When folded the carton is substantially as shown in Fig. 5, except that the cover 4 is turned over, as indicated by the dotted lines, and when set up the carton is substantially as shown in Fig. 1.

The transverse partitions 6, 6, etc., of which there may be any desired number, depending upon the size of the carton and the size of the compartments, are formed between the strip 8 and the side 1. The blank is first cut along the lines 9, 10, 11 and 12, 12, forming partitions, there being an integral portion or tab 15 at each side, which secures the partitions to the strip 8 and side 1 respectively. The portions 15 not only secure the partitions as mentioned, but those adjacent the side 1 form a portion of a lock for the cover, as hereafter described. It should be noted that the partition at one end, as shown in the drawings, one at the left hand side, is cut on one side at an angle, or with a slight curvature, so that the side 1 is cut up substantially as at 18. This prevents the partition from being torn from the side of the carton when setting up the same. The body of the carton is preferably suitably scored at 16, 16 and 23, 23, on each end of the transverse partitions, and at points 20, 21, 22 and 24, and the securing strip 8 secured to the side 2 in any suitable manner. As shown, I preferably make the strip of a width so that it extends to the score line 22, and secure the same to the side by gluing, or in an equivalent manner. By gluing, or otherwise permanently securing the securing strip 8 to the side 2, the same is always in position, and the carton more easily and quickly set up, as hereafter described. The locking strip 5 on the cover may be formed in any suitable manner, the preferred construction being as shown with a plurality of notches, each with a straight cut 25 and then a cut to form the recess 26, and locking portion 27, which engages the cooperating end portion 15 of the transverse partition at the side 1, with the straight edge 25 on the other side of the partition.

Arranged longitudinally of the carton is a partition 30, it being understood that there

may be any number of partitions, or that the same may be omitted if desired. The partitions 6 in the carton are formed with notches or cut-outs 31 therein, the number in each transverse partition depending upon the number of longitudinal extending partitions 30, the same being substantially the shape shown in the drawings. The longitudinal partition 30 is provided with notches 32, which are each preferably inclined at one side, as at 33, and formed with a corner or extended as at 34. When the partition 30 is in position (see Fig. 4) the transverse partitions 6 are engaged at the top of the recess 32, or by the side 33 on one side, and by the extending part or corner on the opposite side, so that the partitions 6 are maintained substantially vertical, and the partition 30 prevented from slipping longitudinally.

When shipped or stored the cartons are folded substantially as shown in Fig. 5 with the cover 4 folded over the partitions 6, 6, etc., as indicated by the dotted lines. The partition 30 for each carton may be inserted between the partitions 6 and the bottom 3, where it is protected and may be conveniently found when it is desired to set up the carton. To set up the carton the same is taken preferably in the left hand with the lock side toward the person holding the same. By slightly contracting the fingers and thumb, the carton will be opened up substantially as shown in Fig. 2 with the partitions 6, 6 extending flat along the top, as shown at the left hand of the figure mentioned, the cover being down. The center partition 30 is then taken preferably in the right hand with the front side shown in Fig. 2 toward the person setting up the same and the cover raised. The partition 30 is then pressed down steadily until it enters the corresponding slots in the several partitions 6, 6, etc., and then with a to and fro motion of the partition 30, the partitions 6, 6, etc., are brought substantially to a perpendicular position relative to the base, as shown in Fig. 1, the two end transverse partitions 6, 6, serving as ends for the carton. Owing to the peculiar construction of the notches and the partitions, the carton is quite rigid. The carton may then be filled and the cover locked in position. The cover is locked by slightly pressing together the side of the cover so that it springs upward in the center, so that the locks slip easily into their respective places in engagement with the portions 15.

To open the cover, the sides may be pressed together, as before described, and the cover lifted. When the carton is empty it may be very easily folded or knocked down by raising the partition 30 and push-

ing the same along the bottom 3, so that it pushes up the partitions 6 and throws them into the position indicated at the right hand in Fig. 2. The partition 30 may be left on the bottom between the same and the transverse partitions, and the carton folded as shown in Fig. 5.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention, hence I do not wish to be understood as limiting myself to the exact form, construction or combination of parts herein shown and described, or uses mentioned.

What I claim as new and desire to secure by Letters Patent is:—

1. In a carton, the combination of top, bottom and side pieces; a plurality of transverse partitions integrally connected at their upper front corners to the front side of the carton, one of the end partitions lying in such a position that a considerable portion thereof projects beyond the end of the carton when the carton is collapsed, and the line along which the front edge of the latter partition joins the front side of the carton having an upward jog therein adjacent to the juncture between the partition and the front wall so as to leave at the corresponding point at the top of the front wall an upwardly-projecting inclined part.

2. In a carton, the combination of top, bottom and side pieces integrally connected together; a plurality of transverse partitions integrally connected at their upper front corners to the front side of the carton; a securing strip integrally connected with the upper rear corners of said partitions and secured to the back side of the carton; and a separable longitudinal partition strip provided with a plurality of inclined slots corresponding in number and in spacing to the transverse partitions, said slots being considerably wider throughout than the thickness of the partition walls and flaring gradually from the top to the bottom so as to provide wide mouths to receive the partitions.

3. A receptacle of the character described comprising a body portion, a cover extending from one end of said body portion, an upper wall for said body portion of greater width than the body portion and having its overlapping edge secured to the inner edge of said cover, and tongues struck from said upper wall whereby said body portion may be divided into a plurality of compartments by said tongues being pushed inwardly into said body portion.

4. In a carton, a body portion comprising top, bottom and side walls integrally connected together, one of the side walls

being extended above the top wall to form a cover, and a securing strip at the edge of the top wall adjacent to the latter side wall, said securing strip being fastened to that portion of the side wall extending above the top wall.

In testimony whereof, I have hereunto

signed my name in the presence of two subscribing witnesses.

EDWIN R. ASHTON.

Witnesses:

JOHN W. HILL,
CHARLES I. COBB.