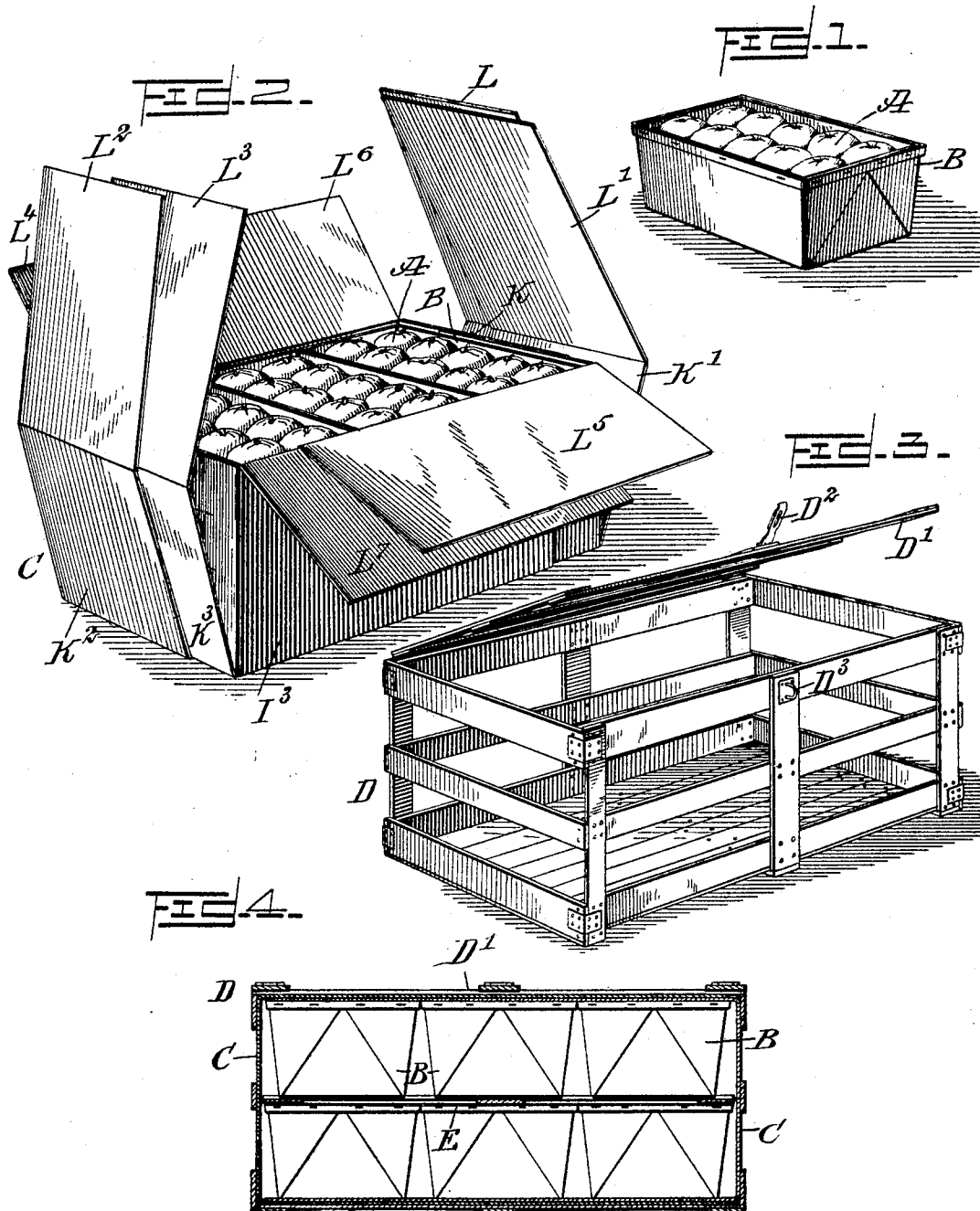


No. 795,110.

PATENTED JULY 18, 1905.

A. FONTS.
SHIPPING PACKAGE.
APPLICATION FILED FEB. 6, 1905.

6 SHEETS—SHEET 1.



WITNESSES:

L. Sanford Handy
Thos. G. Hooper

INVENTOR
Arturo Font

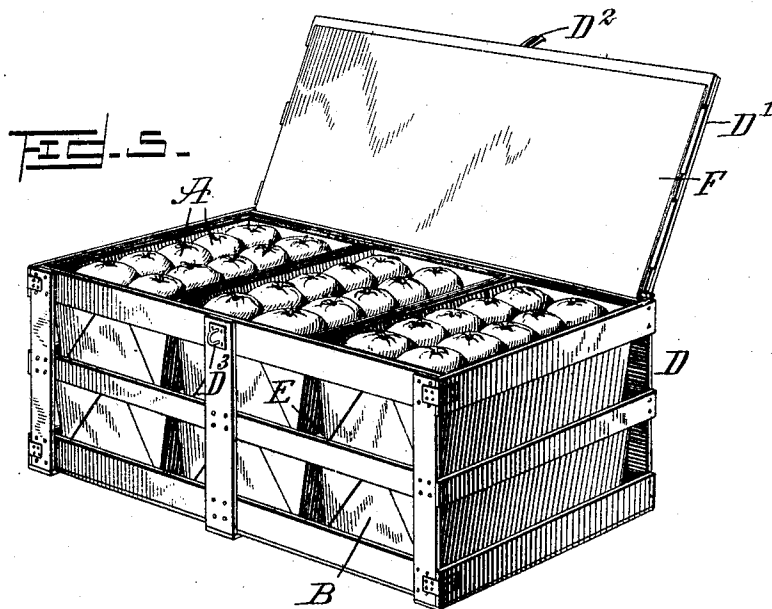
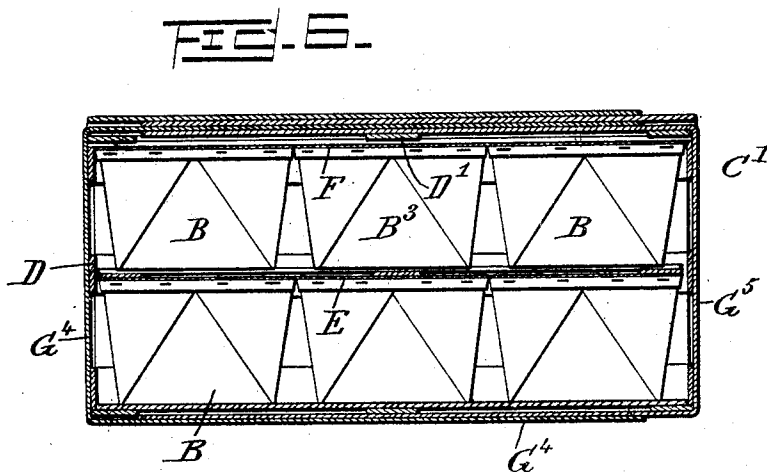
BY *Wm. M. Co.*
ATTORNEYS

No. 795,110.

PATENTED JULY 18, 1905.

A. FONTS.
SHIPPING PACKAGE.
APPLICATION FILED FEB. 6, 1905.

6 SHEETS—SHEET 2.



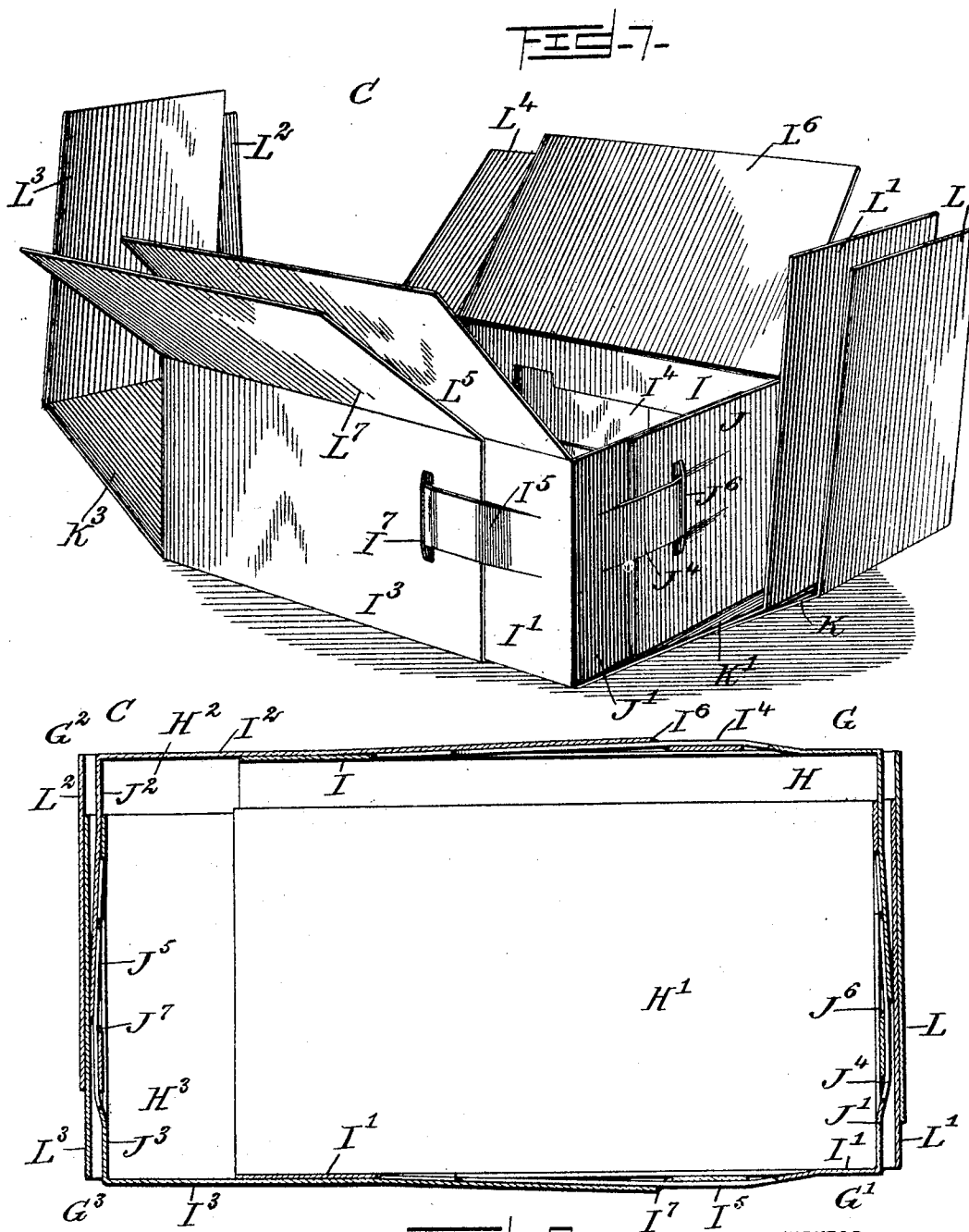
WITNESSES:

L. Sanford Handy
Rev. H. H. Hester

INVENTOR
Arturo Fonts
BY *Mumford*
ATTORNEYS

A. FONTS.
SHIPPING PACKAGE.
APPLICATION FILED FEB. 6, 1905.

6 SHEETS—SHEET 3.

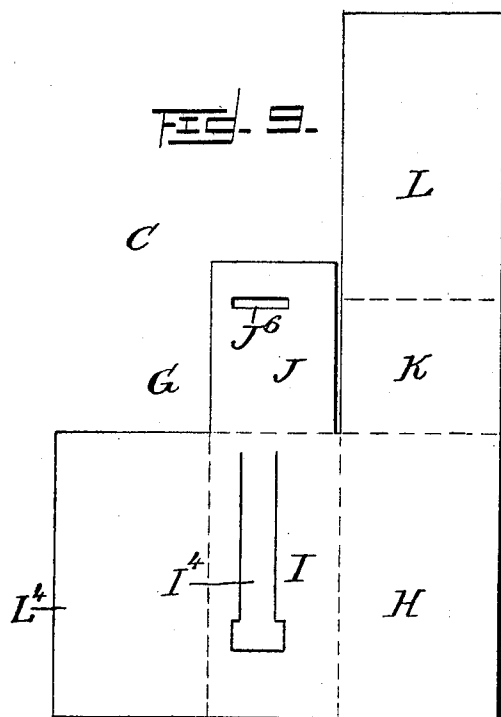
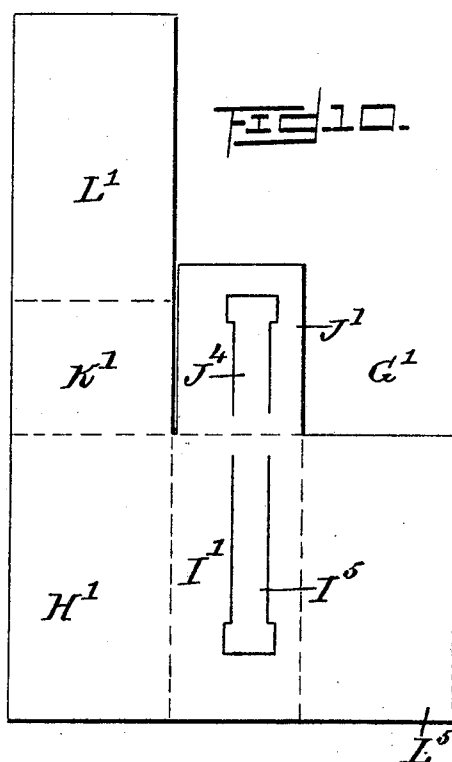
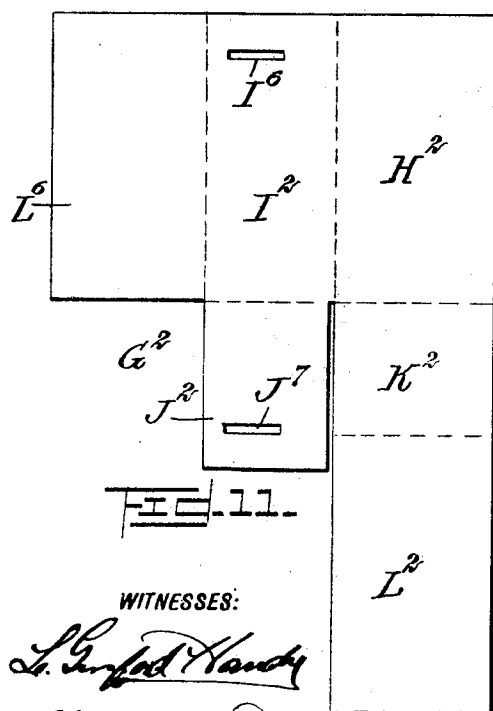
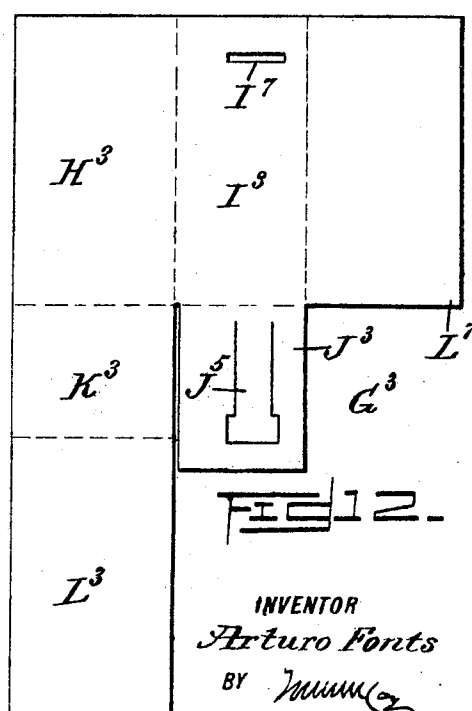


WITNESSES:
L. G. Hardy
Neely H. H. H.

INVENTOR
Arturo Font
BY *[Signature]*
ATTORNEYS

A. FONTS.
SHIPPING PACKAGE.
APPLICATION FILED FEB. 6, 1905.

6 SHEETS—SHEET 4.



WITNESSES:

L. Sanford Handy
Henry Hoshorn

INVENTOR

Arturo Fonts

BY

M. M. M. M.

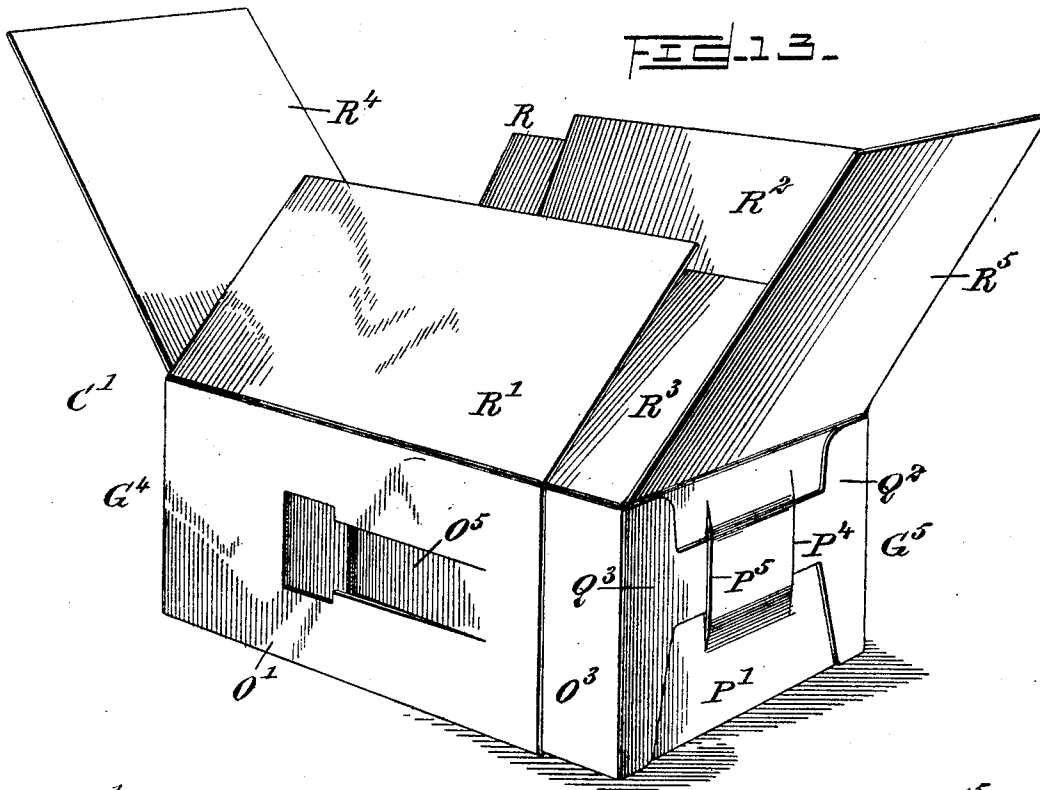
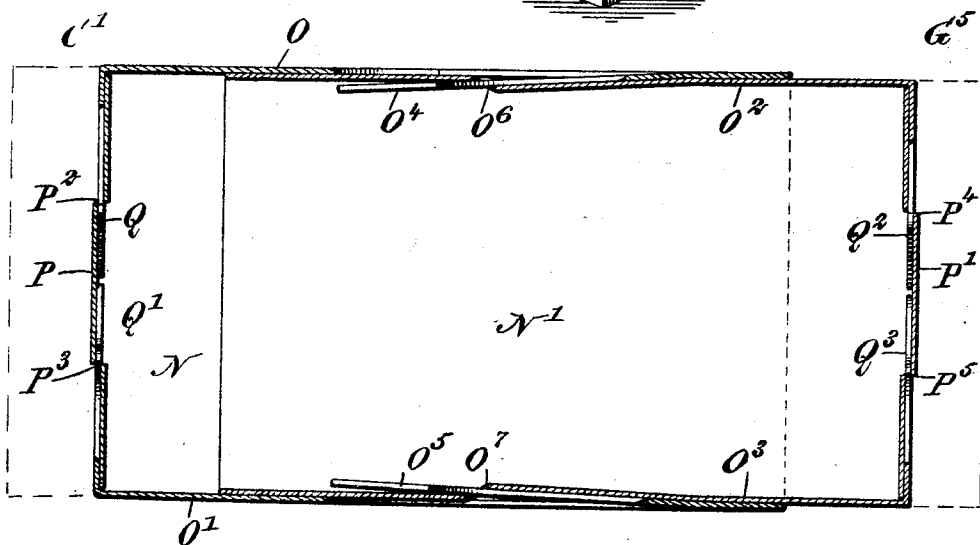
ATTORNEYS

No. 795,110.

PATENTED JULY 18, 1905.

A. FONTS.
SHIPPING PACKAGE.
APPLICATION FILED FEB. 6, 1905.

6 SHEETS—SHEET 5.



WITNESSES:

L. Sanford Handy
Reed. Hooper

INVENTOR

Arturo Fonts

BY *Mumm*

ATTORNEYS

UNITED STATES PATENT OFFICE.

ARTURO FONTS, OF NEW YORK, N. Y.

SHIPPING-PACKAGE.

SPECIFICATION forming part of Letters Patent No. 795,110, dated July 18, 1905.

Application filed February 6, 1905. Serial No. 244,385.

To all whom it may concern:

Be it known that I, ARTURO FONTS, a citizen of the Republic of Cuba, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Shipping-Package, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved shipping-package, more especially designed for safely shipping fresh tomatoes and like perishable products from a warm climate to a cold one and for distributing the products in the cold climate to the retailers during the winter season, to prevent freezing of the products while in transportation, in storage, or while being distributed.

The invention consists of novel features and parts and combinations of the same, as will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a box filled with tomatoes. Fig. 2 is a perspective view of a number of filled boxes set in a protecting-container. Fig. 3 is a perspective view of the crate for receiving the container and its boxes filled with the product. Fig. 4 is a longitudinal sectional elevation of the crate, the container, and the filled boxes in position and ready for shipping from a warm to a cold climate. Fig. 5 is a perspective view of the crate and the filled boxes therein, showing the cover of the crate in an open position. Fig. 6 is a longitudinal sectional elevation of the crate containing the filled boxes and set in or inclosed within the container to form a distributing-package in a cold climate during the winter season. Fig. 7 is an enlarged perspective view of the extensible container, arranged for receiving the tomatoes or like products and arranged for extension in the direction of its length and width to properly fit into the crate. Fig. 8 is a sectional plan view of the same. Figs. 9, 10, 11, and

12 are face views of the blanks for forming the extensible container shown in Figs. 7 and 8. Fig. 13 is a perspective view of a lockable container for receiving a crate filled with boxes containing the tomatoes or like product, the lockable container being extensible in the direction of its length to properly fit the crate. Fig. 14 is a sectional plan view of the same, and Figs. 15 and 16 are face views of the blanks for forming the lockable container illustrated in Figs. 13 and 14.

In shipping perishable products—such as tomatoes, oranges, and the like—from a southern climate to the North during the cold or winter season it is necessary to thoroughly protect the products against freezing during transportation, and when the product reaches its destination it is necessary to protect it against freezing while distributing the product to the retailers. It often happens that the products can be safely shipped from the South to the North without any protecting means—as, for instance, in the fall or spring of the year; but after the product has reached its northern destination and is to be distributed during a cold spell of the weather it is necessary to protect it against freezing. Thus in one case protection of the product is required from the time it leaves the shipping-point until it is in the hands of the retailer, and in the other case it is shipped without protection to the distributing-point and is then protected while being distributed to the retailer.

In order to reduce the expense in rehandling and repacking to a minimum and at the same time afford the fullest protection against freezing of the product, is the object of the invention presently to be described in detail.

The tomatoes A or like product are packed in boxes B, as plainly shown in Fig. 1, and during the cold season a number of boxes B are set in a container C, made of paper, pasteboard, or the like, and fitted within a crate D, having a hinged cover D' and suitable fastening means, such as a hasp D² and staple D³, for securely locking the cover D' in a closed position.

As shown, the boxes B, containing the prod-

uct A, are preferably arranged in tiers, a supporting-partition E being arranged between the tiers, as plainly illustrated in Fig. 4.

It will be seen that by the arrangement described the product is thoroughly protected against freezing by being first set in the boxes B and the latter inclosed within the container C set in the crate D to permit of shipping the boxes from a warmer climate to a colder one and to distribute the same to retailers without danger of freezing.

In case the products are shipped during the warmer season from a southern to a northern climate then the boxes B, containing the products A, are directly set in tiers in the crate D, as illustrated in Figs. 5 and 6, and then when the crate reaches its distributing-point in the northern climate and the cold season has set in then the crate is set into a container C' to protect the product from freezing, it being understood that in the one case the container is within the crate (see Fig. 4) and in the other case the container is on the outside of the crate—that is, the latter is set into the container, as shown in Fig. 6.

When packing the boxes B directly in the crate D, as shown in Figs. 5 and 6, the uppermost tier of boxes B is covered by a covering-plate F, so as to protect the same against dust as well as against the cold.

From the foregoing it will be seen that in order to afford the best protection according to the season it is desirable to have a set of containers at the place of shipping in the southern climate and a set of containers at the distributing-point in the northern climate.

The containers to be set into the crate are preferably made foldable and extensible in such a manner that they can be extended in the direction of their length and their width to allow of properly fitting the containers against the inner walls of the crates, especially as such crates are different in size. The containers used at the distributing-point are preferably foldable and extensible, but extension is only required in the direction of the length, as the crates do not vary much in width but more so in length. In the one case—that is, the containers C for the inside of the crate—the several sections forming the containers do not require locking, as the sections are held in the proper position on the outside by the crate and on the inside by the boxes. The containers C' for the outside of the crates, however, are provided with locking means at their sections, so as to hold the sections firmly locked together, so as not to require additional fastening means.

The container C is illustrated in detail in Figs. 7, 8, 9, 10, 11, and 12 and is arranged as follows: The container C is made of four sections G, G', G², and G³, provided with bottom portions H, H', H², and H³, adapted to be superimposed one upon the other when the

container is set up, and from the said bottom portions extend sides I, I', I², and I³, of which the sides I and I' are provided with tongues I⁴ and I⁵, adapted to engage slots I⁶ and I⁷ in the sides I² and I³. From the sides I, I', I², and I³ extend integrally ends J, J', J², and J³, of which the ends J' and J³ are provided with tongues J⁴ and J⁵, adapted to engage slots J⁶ and J⁷ in the ends J and J². When the container is set up, the sections can be moved toward or from each other, both in the direction of their length and their width, owing to the arrangement of the tongues and grooves described, so that the container can be readily fitted into the crate D. From the bottom portions H, H', H², and H³ extend integrally reinforcing ends K, K', K², and K³, from which extend covering-flaps L, L', L², and L³, and similar covering-flaps L⁴, L⁵, L⁶, and L⁷ extend from the sides I, I', I², and I³.

By the arrangement described the bottom, as well as the sides, end, and cover, of the container are made of several thicknesses to give as much protection as possible to the products to prevent the same from freezing, as previously mentioned.

In uniting the sections G, G', G², and G³ the bottom portions H, H', H², and H³ are superimposed, and then the sides I, I', I², and I³ and the ends J, J', J², and J³ are turned up and united by the corresponding tongues and slots, and then the supplementary or reinforcing ends K, K', K², and K³ are turned up, after which the container is placed in position and filled with the boxes B, and then the covering-flaps L, L', L², L³, L⁴, L⁵, L⁶, and L⁷ are folded, and finally the crate-cover D' is swung down and locked in place.

The container C' (illustrated in detail in Figs. 13, 14, 15, and 16) is in two sections G⁴ and G⁵, having bottom portions N and N', from which extend sides O O' and O² O³, respectively, of which the sides O and O' are provided with tongues O⁴ and O⁵, adapted to engage slots O⁶ and O⁷ in the sides O² and O³. From the bottom portions N and N' also extend ends P and P', provided with sets of slots P² P³ and P⁴ P⁵, respectively, of which the slots P² and P³ are adapted to be engaged by locking-tongues Q and Q', formed on the sides O and O', and the slots P⁴ P⁵ are adapted to be engaged by locking-tongues Q² Q³, formed on the sides O² and O³, respectively. From the sides O, O', O², and O³ also extend covering-flaps R, R', R², and R³, and additional covering-flaps R⁴ and R⁵ extend from the ends P and P', so that when the sections G⁴ and G⁵ are set up, as illustrated in Figs. 13 and 14, the bottom as well as the sides and top is formed of several thicknesses, and the ends P and P' are reinforced by the locking-tongues Q, Q', Q², and Q³, thus also adding several thicknesses to the ends.

By the arrangement described the tongues

O⁴ and O⁵ have a longitudinal sliding engagement with the slots O⁶ and O⁷ to permit of adjusting the sections G⁴ and G⁵ in the direction of their length, it being understood, however, that the ends are securely locked together.

In using the container C' the sections G⁴ and G⁵ are connected with each other, as described, with the covering-flaps open, so as to allow of the insertion of the crate into the container, and then the covering-flaps are folded down upon the cover D' of the crate, and, if necessary, a staple or like device may be driven through the several covering-flaps into the cover D' of the crate to lock the several parts in position.

From the foregoing it will be seen that by the arrangement described the container C' protects the crate and its contents, so as to prevent freezing of the products held in the boxes B.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A shipping-package comprising a plurality of individual boxes for containing the product to be shipped, a crate, and a folding and extensible container adapted to be set in the crate for receiving the said boxes and being capable of receiving the crate when filled with the boxes.

2. A shipping-package comprising a plurality of individual boxes for containing the product to be shipped, a crate, and folding and extensible containers, one for receiving the said boxes and adapted to be set in the crate and the other for receiving the crate when filled with the boxes.

3. A shipping-package comprising a plurality of individual boxes for containing the product to be shipped, a crate, and a folding and extensible container adapted to be set in the crate for receiving the said boxes, the said container being extensible in direction of its length and in direction of its width, and being capable of receiving the crate when filled with the boxes.

4. A shipping-package comprising a plurality of individual boxes for containing the product to be shipped and distributed, a folding container for receiving the said boxes, and a crate for receiving the container filled with the boxes, the said container consisting of sections having an interlocking connection with each other, the said connection permitting the sections being moved on each other when interlocked to contract or extend the container to fit the crate.

5. A shipping-package comprising a plurality of individual boxes for containing the product to be shipped and distributed, a folding container for receiving the said boxes, and a crate for receiving the container filled with the boxes, the said container being extensible in the direction of its length and in the direction of its width, to fit the said crate.

6. A shipping-package comprising a plurality of individual boxes, a crate for receiving the said boxes, and a folding and extensible container for receiving the said crate and having locking means on its folding members, to interlock the latter.

7. A shipping-package comprising a plurality of individual boxes, a crate for receiving the said boxes, and a folding container for receiving the said crate and extensible in the direction of its length, the said container consisting of independent sections arranged to slide on each other, the engaging sides of the sections being provided, one with a longitudinally-extending tongue and the other with a transverse slot in which the tongue is adapted to slide.

8. A shipping-package provided with a folding container made of pasteboard, paper or the like and extensible in the direction of its length.

9. A shipping-package provided with a folding container made of pasteboard, paper or the like, and comprising independent sections slidable one on the other, the side of one section having a longitudinal tongue engaging and sliding in a slot in the side of the other section to permit of extending the container in the direction of its width.

10. A shipping-package provided with a folding container made of pasteboard, paper or the like, the said container comprising independent sections having overlying bottoms, sides and ends slidable one on the other, the ends having tongues and slots, the tongue on one end engaging and sliding in a slot on the corresponding overlying end to permit of extending the container in the direction of its width.

11. A shipping-package provided with a folding container made of pasteboard, paper or the like and extensible in the direction of its length and extensible in the direction of its width.

12. A shipping-package provided with a container made in sections having overlying bottom portions, sides and ends slidable one on the other and overlying top flaps at the sides and ends of the container.

13. A shipping-package provided with a container made in sections having overlying bottom portions, sides and ends slidable one on the other and overlying top flaps, the sides and ends having tongues and slots, of which the tongues on one side or end engage slots on the corresponding overlying side or end.

14. A shipping-package provided with a container made in two sections, extensible one on the other in the direction of the length of the container, the sections having interlocking ends, and sides provided with longitudinally-extending tongues and transverse slots engaged by the tongues.

15. A shipping-package provided with a

container made in two sections, extensible one on the other in the direction of the length of the container, the sections having interlocking ends, and sides provided with longitudinally-extending tongues and transverse slots engaged by the tongues, the sections also having covering-flaps at the sides and ends.

16. A shipping-package provided with a container made in sections having overlying bottom portions and sides slidable one on the other, the container having overlying top flaps at its sides and ends, the overlying sides

of the sections of the container being provided respectively with a transverse slot and a longitudinally-extending tongue engaging said slot and adapted to slide lengthwise therein, to permit of extending the container.

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

ARTURO FONTS.

Witnesses:

THEO. G. HOSTER,
JNO. M. RITTER.