

J. A. MILLER.

PACKING BOXES FOR FRUITS AND EGGS.

No. 170,685.

Patented Dec. 7, 1875.

Fig. I.

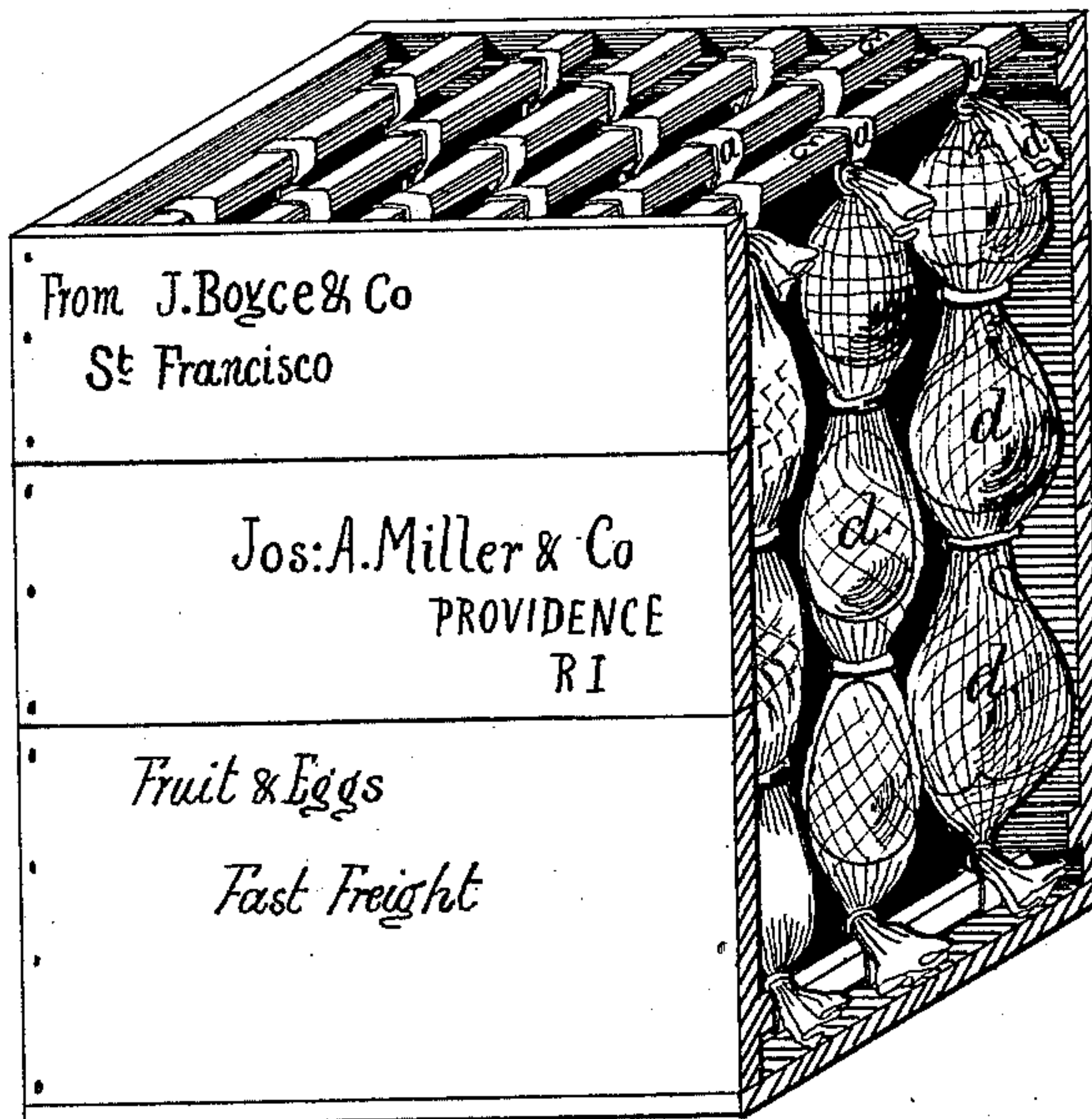
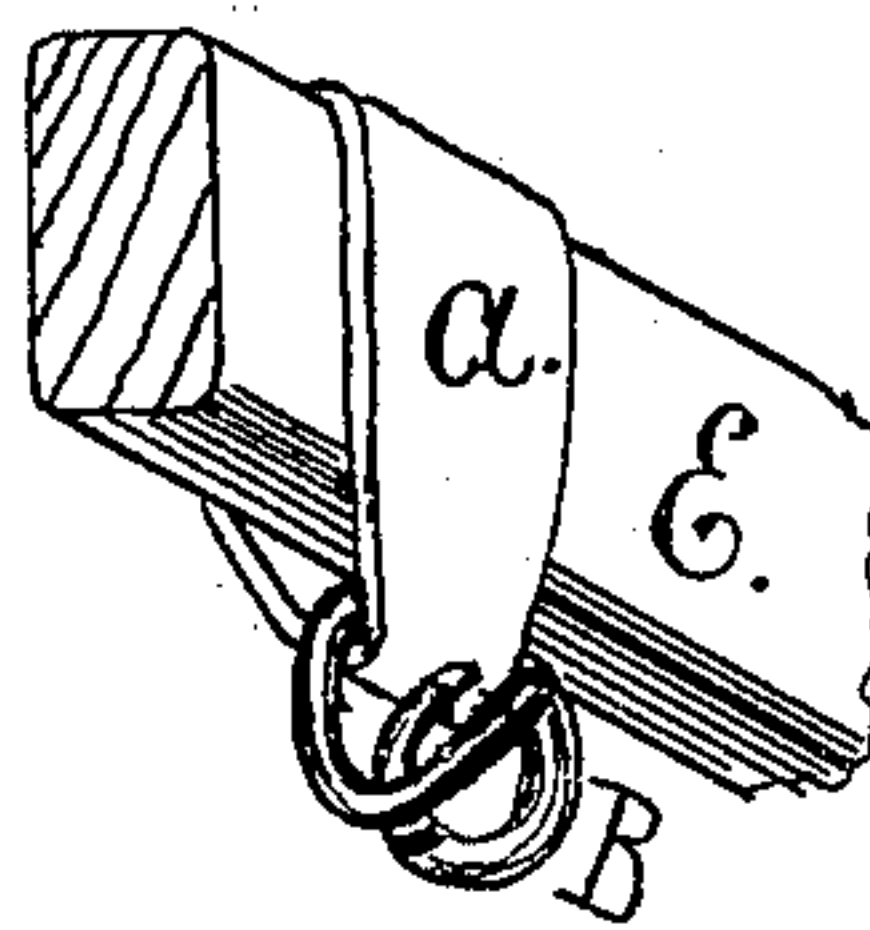
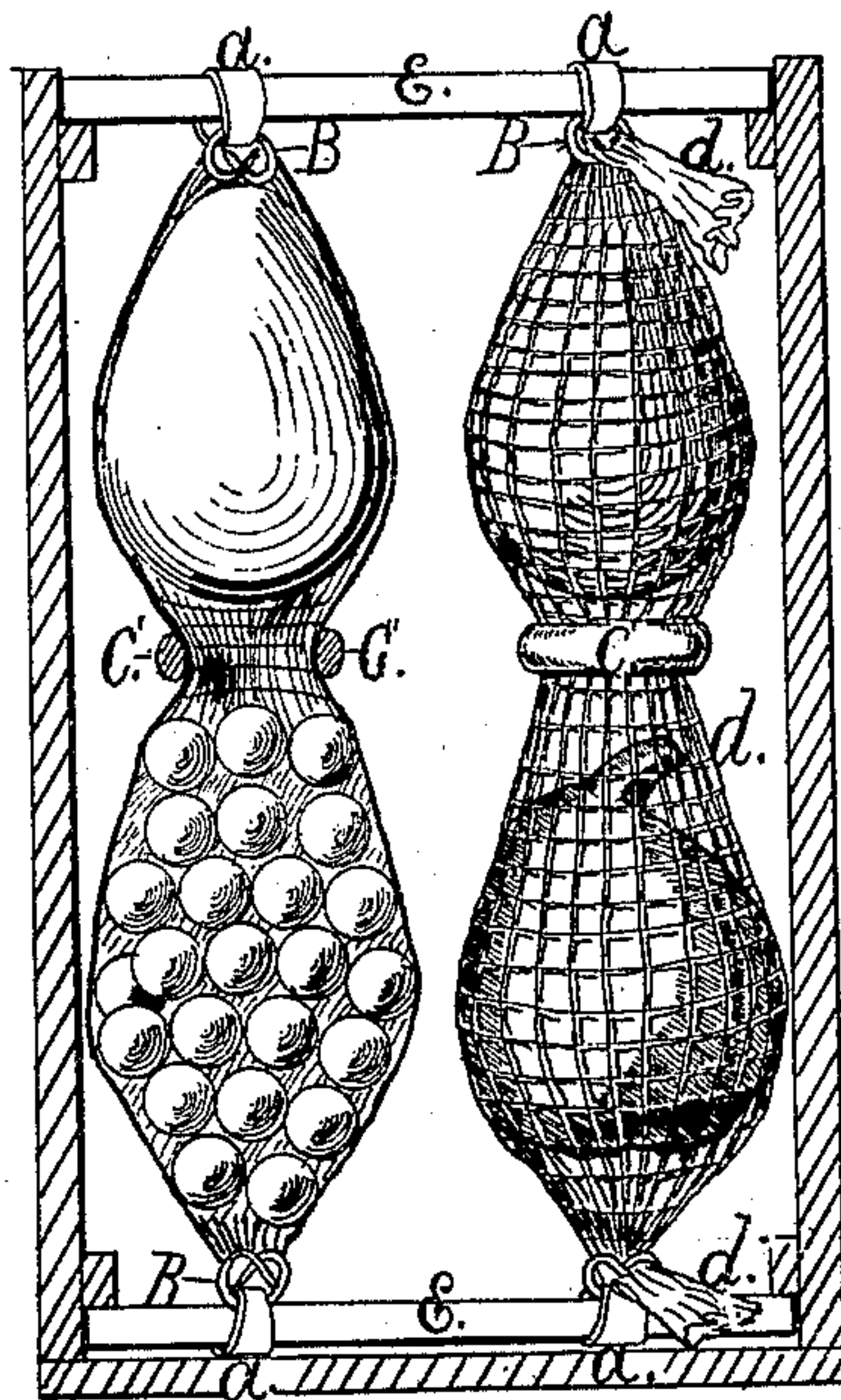


Fig. II.



Witnesses

Henry J. Miller

Joseph A. Miller Jr.

Inventor

Joseph A. Miller

UNITED STATES PATENT OFFICE.

JOSEPH A. MILLER, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN PACKING-BOXES FOR FRUIT AND EGGS.

Specification forming part of Letters Patent No. **170,685**, dated December 7, 1875; application filed January 14, 1874.

To all whom it may concern:

Be it known that I, JOSEPH A. MILLER, of the city and county of Providence, State of Rhode Island, have invented a new and useful Improvement in Packing Fruits and Eggs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

Figure I is a perspective view of part of a packing-case, showing the manner of packing, the top and one end being shown with boarding removed. Fig. II shows a case in section, and also one purse or package in section, together with detail views of rings, hooks, and bands.

Similar letters refer to corresponding parts.

The object of this invention is to provide cheap, simple, and efficient means for packing fruits and eggs, so that they may be transported without injury.

I use cylindrical woven, knitted, or otherwise constructed purses of suitable material, diameter, and length. Into these I place the fruit or eggs, and separate the same by means of rings C', and when such a purse or cylindrical case is filled I pass the end through the ring-hook B, which has been before passed through the rubber ring *a*. I now pass a rod or stick through the rubber rings *a a* on either end of the purse or case, and passing one under a cleat near the bottom of the box, and the other over a cleat near the top of said box, I so adjust the ring-hooks B B that the case, with the fruit, is suspended within the box.

The fruit or eggs may be so distributed in the case or purses as to fill up nearly all the space in the box, and more can thus be packed into the same space than when specific receptacles are permanently fixed. When the boxes

are emptied, the case or purses, with the rings and rubber bands, may be packed into a small space, and thus returned.

The boxes may be thus cheaply made of boards or laths, as they have to withstand only one transportation.

The object of the rubber bands *a* is to keep the case or purse in sufficient tension to avoid the pressing one upon the other of the fruit or eggs. The purses may, therefore, be made so as to have sufficient elasticity for this purpose, and so dispense with the rubber bands *a*. The hooking-ring B may also be made in various forms, and the ring C' (made preferably of rubber) may be made of wood, metal, or leather, or a string may be tied in its place.

Fruits or eggs, when so packed, have each an elastic support. Eggs may be placed on their ends and maintained in this position. All jars and concussions are softened by the elastic nature of the packing. Air may freely circulate between them, and little danger from breakage need be apprehended, and fruit may be shipped long distances without injury.

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

1. The purses *d d*, suspended and sustained at both ends by the bands *a a*, within a packing-case, substantially as and for the purpose described.

2. The combination of the purse *d*, suspended and sustained at both ends by bands *a a*, with ring C, substantially as and for the purpose described.

3. The combination of purse *d*, ring C, and elastic bands *a*, substantially as and for the purpose described.

JOSEPH A. MILLER.

Witnesses:

HENRY J. MILLER,
JOSEPH A. MILLER, Jr.