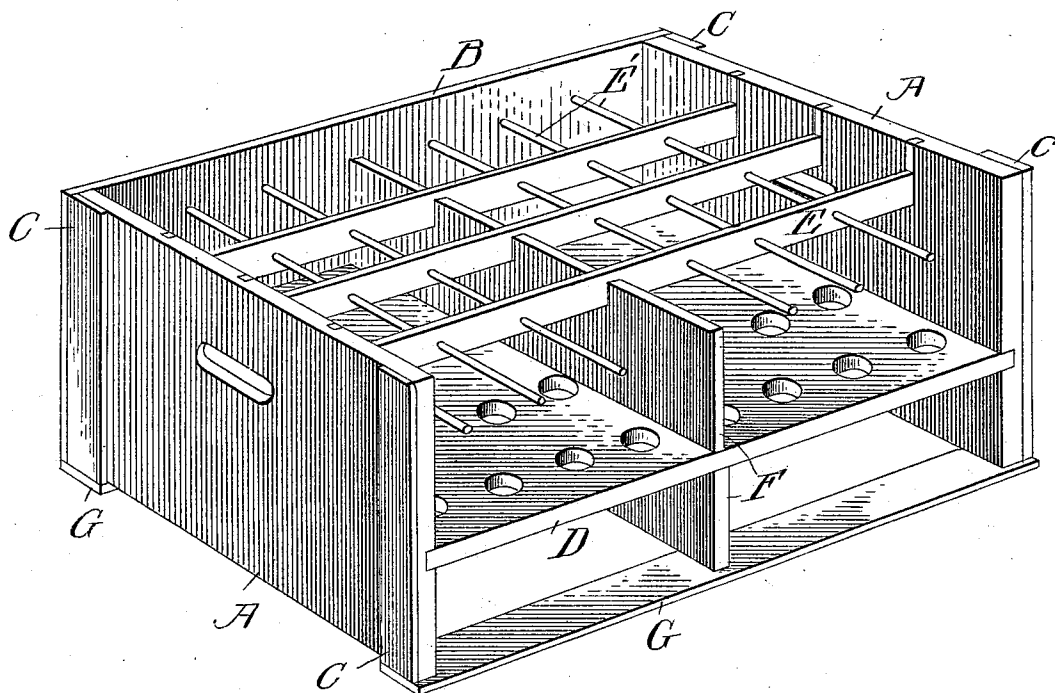


(No Model.)

T. DRUMMOND.
BOX.

No. 521,156.

Patented June 12, 1894.



Witnesses
J. R. Cornwall
Hugh H. Wagner

Inventor
Thomas Drummond
by Paul Bakewell
his atty

UNITED STATES PATENT OFFICE.

THOMAS DRUMMOND, OF ALTON, ILLINOIS.

BOX.

SPECIFICATION forming part of Letters Patent No. 521,156, dated June 12, 1894.

Application filed April 23, 1894. Serial No. 508,585. (No model.)

To all whom it may concern:

Be it known that I, THOMAS DRUMMOND, a citizen of the United States, residing at the town of Alton, in the county of Madison, State of Illinois, have invented a certain new and useful Improvement in Boxes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, wherein the figure represents a perspective view of my improved box, the near side panel being removed to more clearly show the interior construction.

My invention relates to a new and useful improvement in boxes, of that class known as pop-bottle boxes, which are intended to hold bottles of beer or other beverages, in an inverted, upright position.

The invention consists in a bottomless box, having the bottom supporting diaphragm formed with suitable openings to receive the neck of the bottles, said diaphragm being received into grooves in the ends of the box, whereby the same is supported, at the same time adding rigidity to the structure. This diaphragm is supported at its middle portion by transversely-disposed partition walls or braces, which help sustain the weight, and, also, afford, at the upper edge thereof, a support for the rack.

In the drawings, A indicates the end walls and B the side walls of my improved box, said walls being strengthened at their corners by cleats C.

The end walls are grooved on their inner side to receive an apertured diaphragm D, which is supported at its end in said grooves.

The rack E is mounted in vertical grooves formed on the inner upper edges of the end walls A, said rack comprising longitudinally-disposed strips through which pass transversely-disposed spacers E'. These strips and spacers form openings which correspond to the apertures in the diaphragm D.

F indicates a centrally-located and transversely-disposed partition wall or brace, which is, preferably, formed of two parts, one being located above, and the other below the diaphragm D to support and strengthen the same at its middle portion, and also act as a brace for the side walls B.

Cleats G are arranged on the bottom along the sides of the box, which cleats act as wear surfaces.

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

In a box, the combination with the end walls, which are grooved to receive the diaphragm, of an apertured diaphragm supported in said grooves, a rack located above said diaphragm comprising the parts E and E', a centrally located and transversely-disposed brace F, which is located above and below the apertured diaphragm, and the wear cleats G arranged on the bottom and at the sides of the box, substantially as described.

In testimony whereof I hereunto affix my signature, in presence of two witnesses, this 13th day of April, 1894.

THOMAS DRUMMOND.

Witnesses:

F. B. CORNWALL,
HUGH K. WAGNER.