

R. M. WILLIAMSON.
Pop-Box.

No. 226,580.

Patented April 13, 1880.

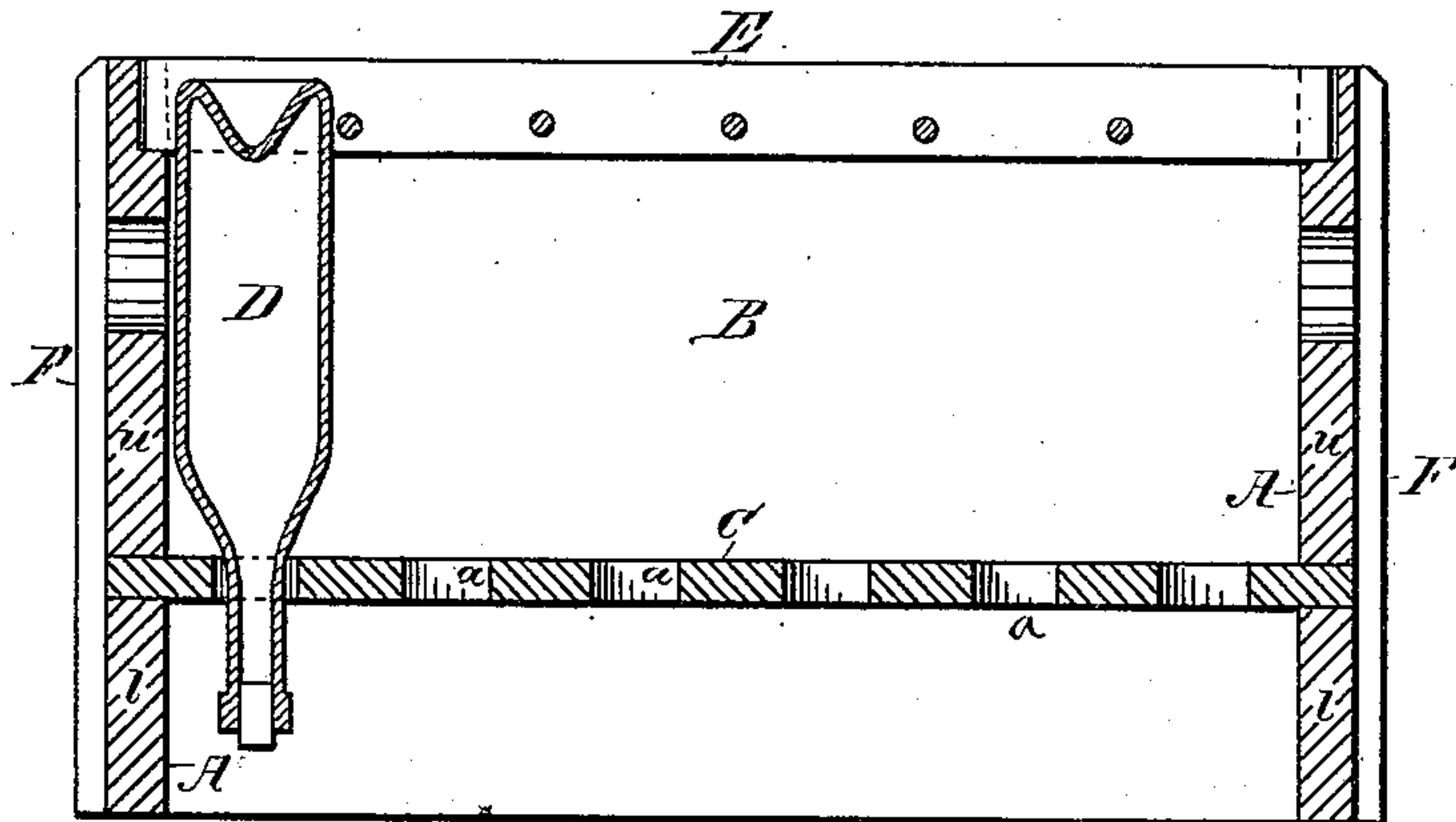


Fig. 1.

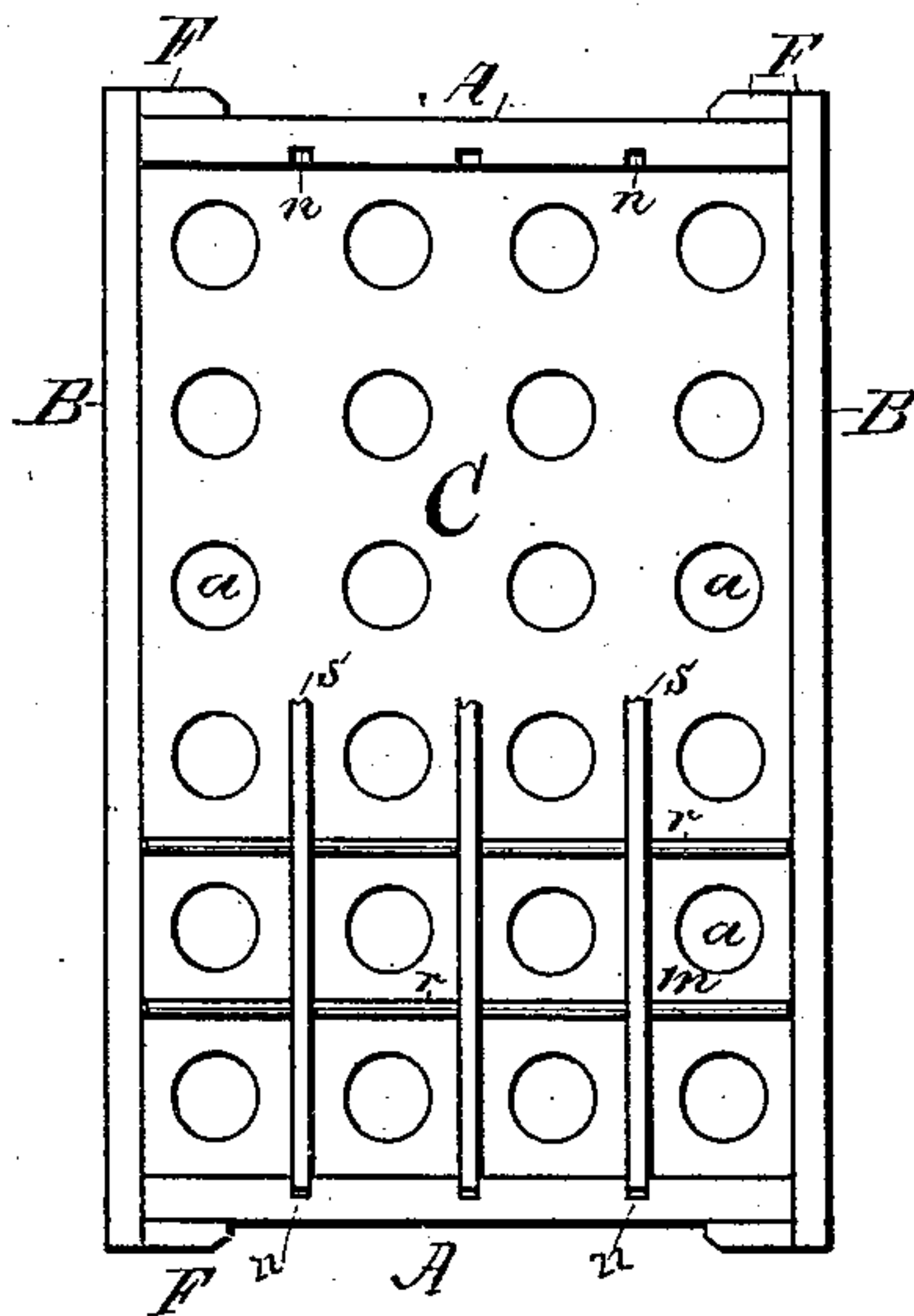


Fig. 2.

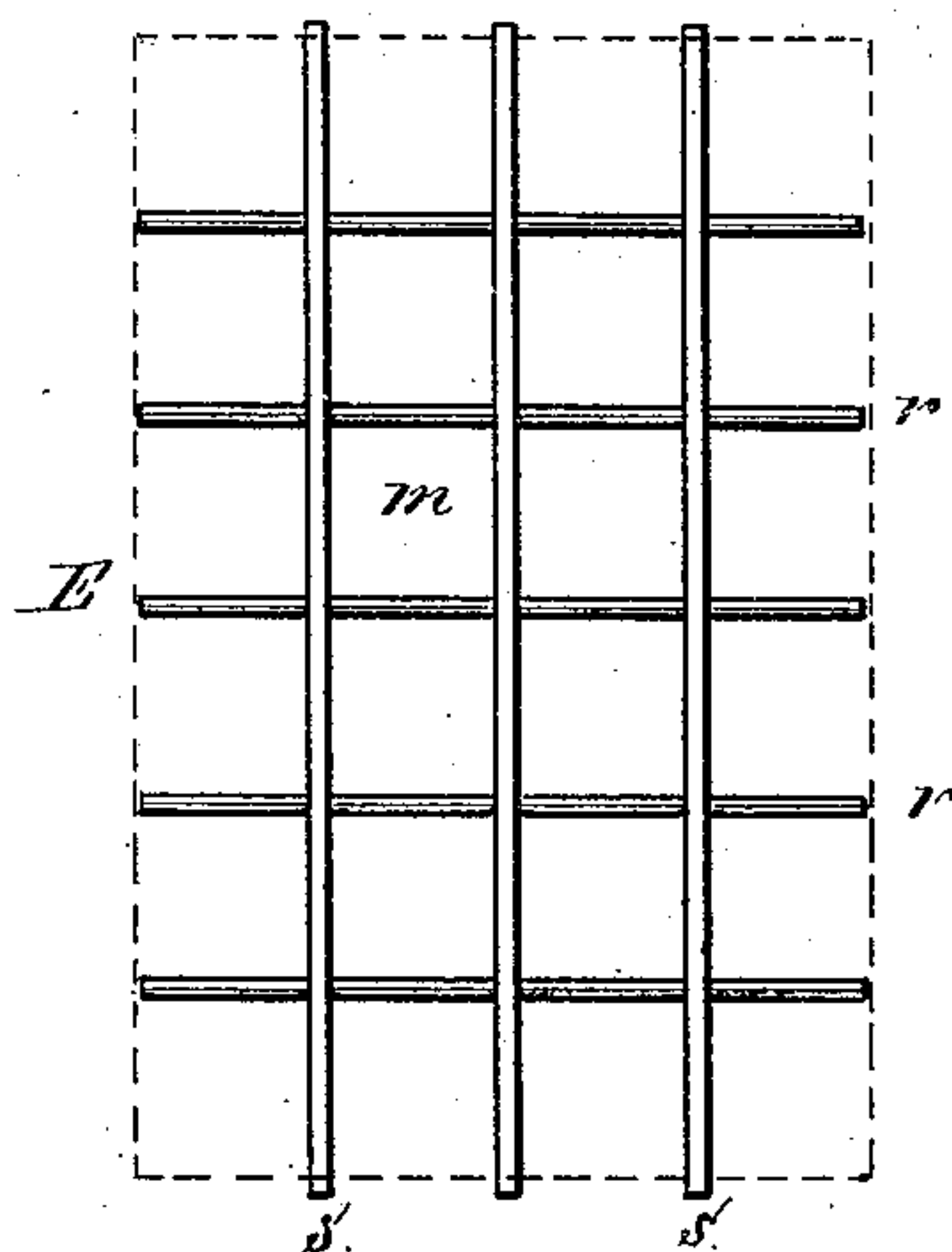


Fig. 3.

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RELLY M. WILLIAMSON, OF CHICAGO, ILLINOIS.

POP-BOX.

SPECIFICATION forming part of Letters Patent No. 226,580, dated April 13, 1880.

Application filed March 18, 1879.

To all whom it may concern:

Be it known that I, RELLY M. WILLIAMSON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Pop-Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to a box or case of the class known as "pop-bottle boxes," intended to hold bottles of beer or other beverages in an inverted upright position for short transportation and use at places of consumption.

Such cases usually consist of a coverless and bottomless box or frame provided with a horizontal partition perforated to admit the necks of the bottles, so as to support them at their shoulders. The perforated partition has been hitherto supported by cleats fastened on the interior of the frame, or simply by nails driven through the box-sides into the edge of the partition.

My invention consists in a bottomless box having the bottle-supporting diaphragm made of a single piece or board apertured suitably to receive the necks of the bottles, and so secured in the box that its ends extend through the ends of the box, whereby the diaphragm is itself more perfectly supported, and whereby, also, said diaphragm is made to adequately support the box against diagonal strain. The diaphragm is apertured by boring circular holes therein to fit the bottle-necks. Its effectiveness as a brace to the box is not therefore materially less than a solid bottom would be, while by its central location and manner of application, as described, it serves a double office, greatly simplifying the construction and increasing the strength and durability of the article.

Referring to the drawings, A A are the ends, and B B the sides, of the box. C is the perforated partition intended to sustain the bottles D, as shown in Fig. 1.

E is the rack set into the top of the box, showing its meshes *m* directly over the apertures *a* in the partition C, and serving to separate the bodies of the bottles and to hold them in a vertical position.

My improved mode of connecting the diaphragm or partition C with the box is clearly seen in Fig. 1, in which its ends, considered with reference to the grain of the wood, are shown to extend flush with the outer surface of the box. The ends of the box are therefore each in two parts, *u* and *l*. In addition to the nails driven into these two parts *u* and *l* through the sides B B, they are preferably further tied by the end cleats, F, applied and secured to both A and B in the position shown. Thus inserted, the diaphragm C is not only itself more securely held in place, but serves to more effectually hold the frame of the box rigidly in form.

The rack E (shown detached in Fig. 3) consists of broad longitudinal strips *s*, united by transverse rods *r*, which pass through holes bored in the strips *s*. The rods set down between the sides B B, as seen in Fig. 2; but the strips *s* rest removably in the recesses *n n*, cut in the ends A A.

Such a rack is easily and cheaply made and applied, and may be readily removed for the purpose of cleaning the interior of the box.

Owing to the expensive stopper-fastenings now in general use in pop-bottles, it is more than ever important to prevent breakage of the bottles in handling. My improved construction of the box, provided with the rack E, fully accomplishes this object, since the bottles are by said rack entirely prevented from clashing together, even though the box be lifted by one end, as is commonly the case.

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

The bottomless pop-bottle box having the bottle-supporting diaphragm C made of a single piece, with circular apertures cut therein, said diaphragm being secured within the box and extended through the ends of the latter, as shown, whereby it serves to more effectively brace the box against diagonal strain, and is itself more adequately supported, substantially as set forth.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

RELLY M. WILLIAMSON.

Witnesses:

M. E. DAYTON,
JESSE COX, Jr.