

No. 786,705.

PATENTED APR. 4, 1905.

R. I. WRIGHT & C. K. MILLER.

BOTTLE SHIPPING CASE.

APPLICATION FILED JUNE 13, 1904.

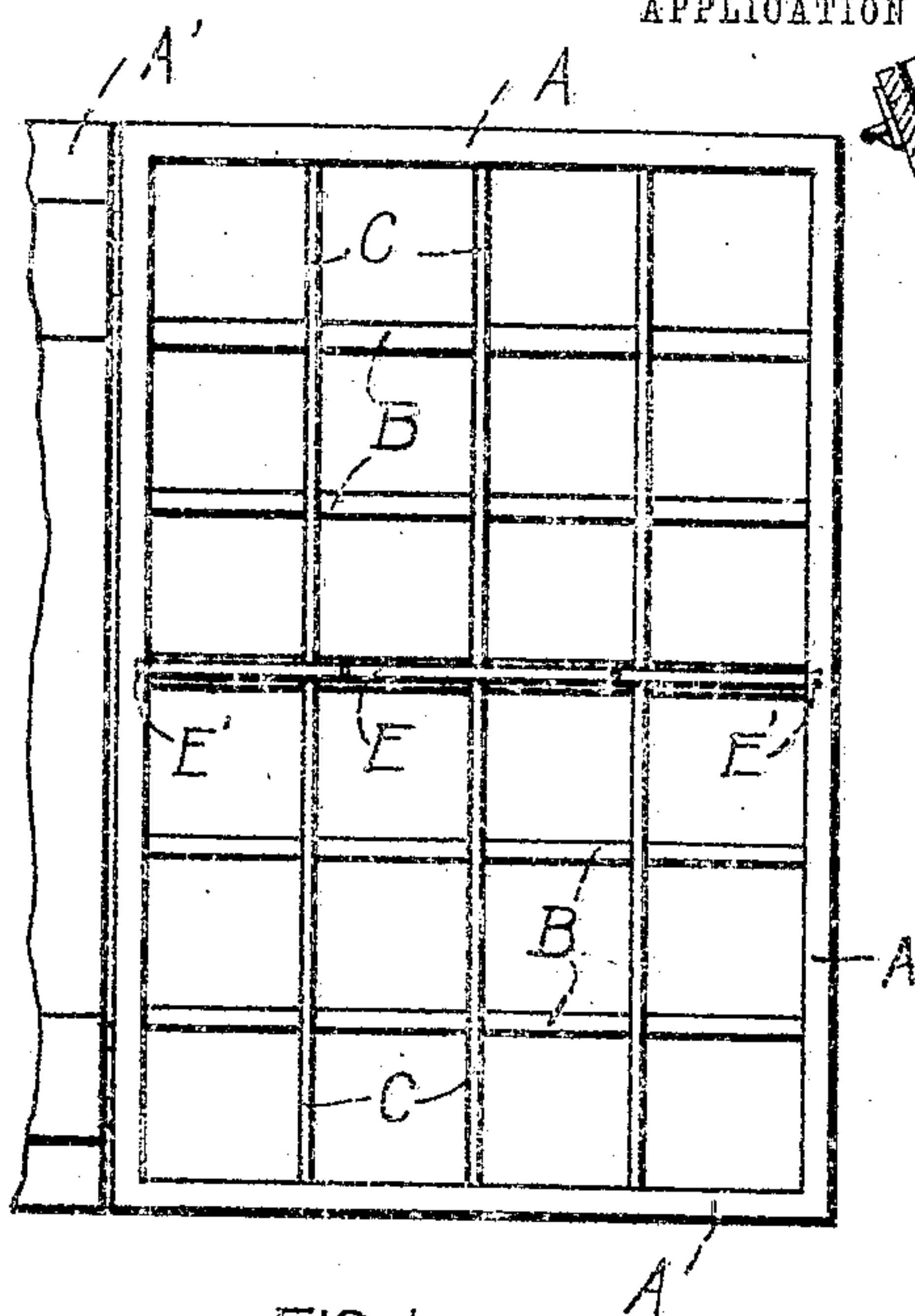


FIG. 1.

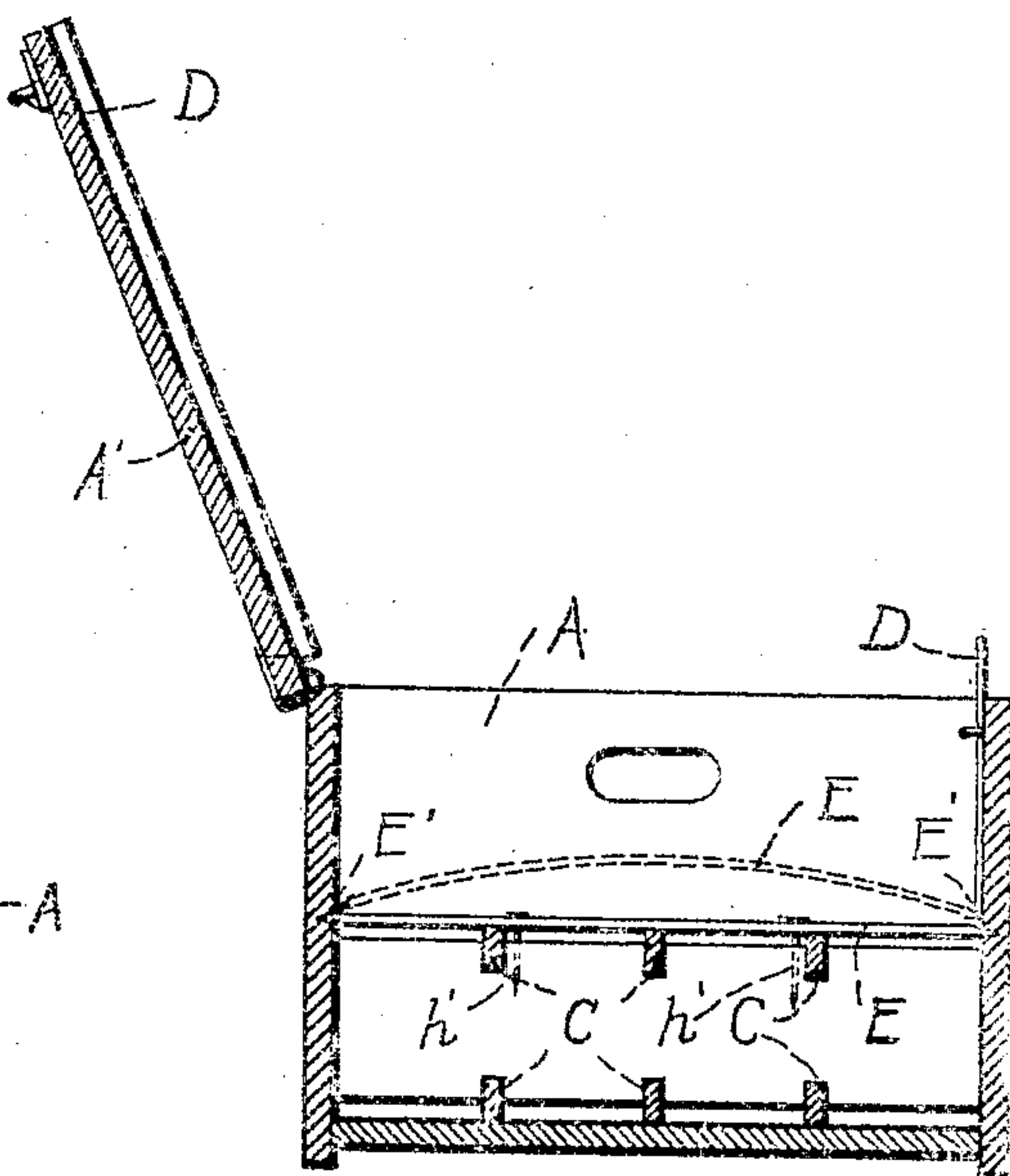


FIG. 2.

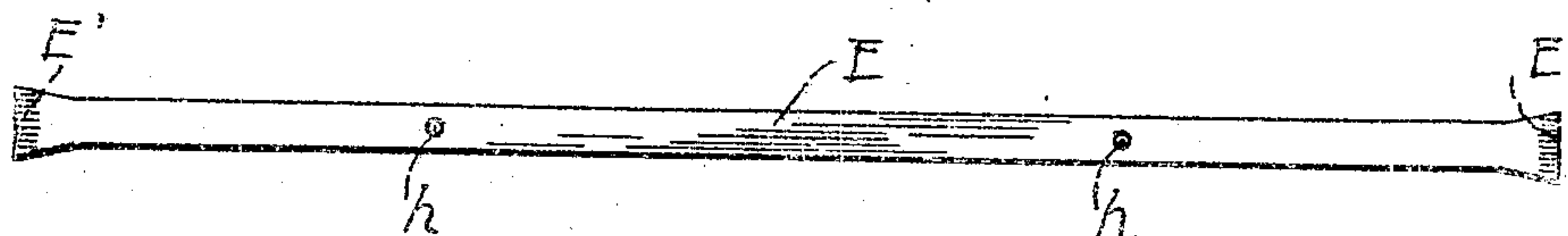


FIG. 3.

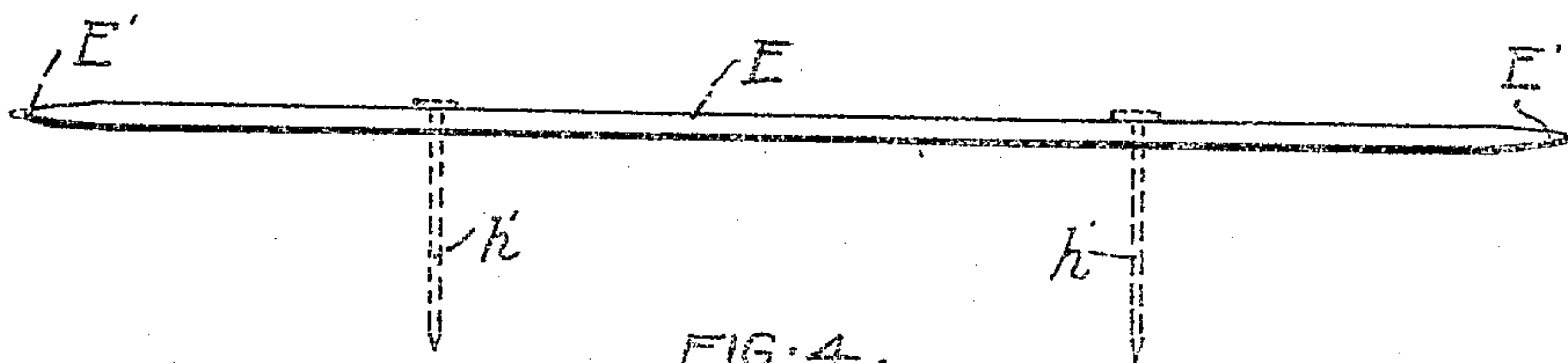


FIG. 4.

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ROBERT I. WRIGHT AND CHARLES K. MILLER, OF ST. JOSEPH, MISSOURI.

BOTTLE-SHIPPING CASE.

SPECIFICATION forming part of Letters Patent No. 786,705, dated April 4, 1905.

Application filed June 13, 1904. Serial No. 212,405.

To all whom it may concern:

Be it known that we, ROBERT I. WRIGHT and CHARLES K. MILLER, citizens of the United States, residing at St. Joseph, in the county of Buchanan and State of Missouri, have invented certain new and useful Improvements in Bottle-Shipping Cases; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

In the bottle-shipping cases now used it is the custom to hold the racks in position therein by nailing blocks or cleats on the inside of the front, back, or ends of the case close above the top of the rack. It is thereby rendered difficult to remove the rack in order to repair it, clean the case, or for other purpose without damaging the case more or less both by driving the nails into it and by being obliged to tear the cleats or blocks off.

The object of our device is to obviate the necessity for cleats or blocks and to provide in lieu thereof a device that can be readily inserted across the rack and be easily and quickly removed when it is desired to take out the rack.

In the drawings, Figure 1 is a plan of the case with its lid lifted and shown partly broken away and the partitioned rack and rack-fastener in position thereon. Fig. 2 is a vertical cross-section of the case and rack, showing a fastener in position across the rack, the dotted lines illustrating the position of the fastener before its ends are pushed into the front and back of the case. Fig. 3 is a top view of the rack-fastener, and Fig. 4 a side view thereof.

In the designation of the parts of the device, A represents the case, and A' the case-lid.

B B are the main partition-pieces of the rack, and C C the upper and lower supporting cross-pieces of the rack countersunk in said main partition-pieces.

D D represent the ordinary parts of a case-latch.

E is a spring-metal elongated fastener, its ends E' E' beveled that they may be readily pressed into the case. They are preferably spread, as shown in Fig. 3, to permit greater purchase. *h h* are perforations in said fasteners. After a fastener has been pressed down to its normal horizontal position, as shown in Figs. 1 and 2, it may be the more rigidly held in place by inserting small nails *h' h'* (shown by dotted lines in Figs. 2 and 4) through said perforation *h h* and driving the nails into one of the partitions or cross-pieces. We preferably place two of these fasteners in a case; but one only or a greater number than two can be used. In the cases as usually constructed these fasteners extend from front to back of the case, as shown in the drawings; but they can be adapted to any form of case and have connection with the ends of the case instead of as shown without altering the purpose or scope of our invention.

What we claim, and desire to secure by Letters Patent, is—

1. A rack-fastener consisting of a single straight metal rod provided with one or more perforations by which it may be riveted to the partition-pieces of a rack and the projected spread pointed ends of said rod adapted to press slightly into the case as the rod is pressed down at its center, substantially as shown and described.

2. The combination with a bottle-shipping case and its rack, of a spring-metal rod provided with one or more perforations through which it may be rigidly fastened on the top of the rack and the flattened sharp ends thereof adapted to engage with the interior of the shipping-case as the rod is pressed downward at the middle upon the rack, substantially as shown.

In testimony whereof we affix our signatures in presence of two witnesses.

ROBERT I. WRIGHT.
CHARLES K. MILLER.

Witnesses:

JOHN NUSSER,
JACOB W. ZELLER.