(No Model.)

L. KITTINGER.

MATCH MACHINE TRAY.

No. 378,010. Patented Feb. 14, 1888.

Fig. 1.

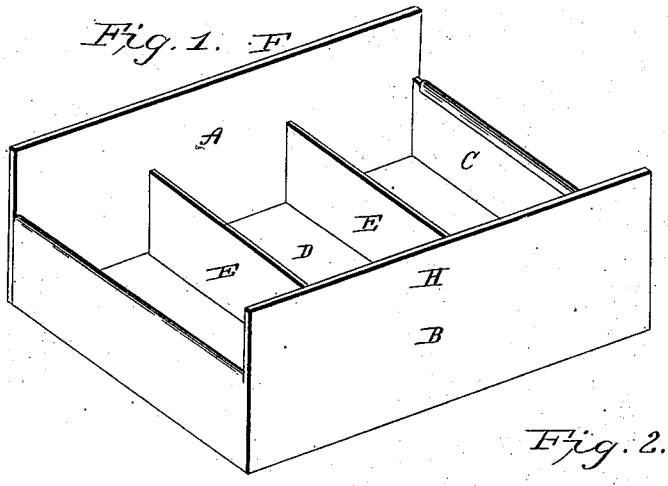


Fig. 2.

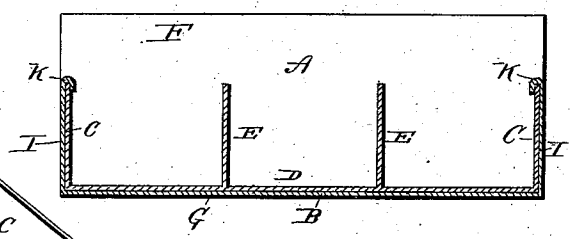


Fig. 3.

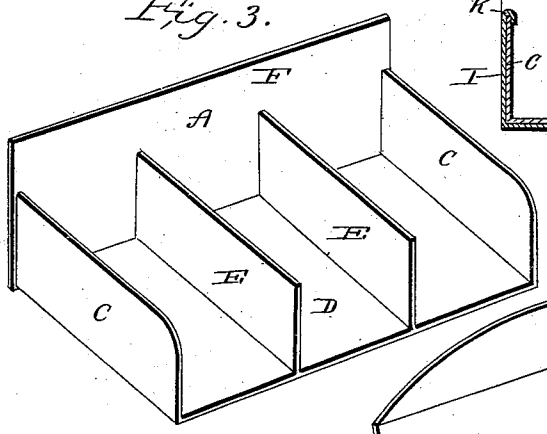
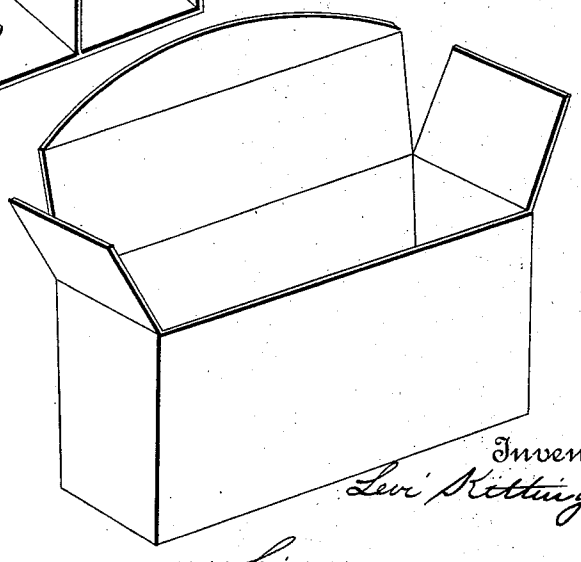


Fig. 4.



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UNITED STATES PATENT OFFICE.

LEVI KITTINGER, OF AKRON, OHIO.

MATCH-MACHINE TRAY.

SPECIFICATION forming part of Letters Patent No. 378,010, dated February 14, 1888.

Application filed August 16, 1887. Serial No. 247,124. (No model.)

To all whom it may concern:

Be it known that I, LEVI KITTINGER, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Match-Machine Trays, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention consists in an improved match receiving and transferring tray for match-machines, constructed with lateral division-walls and provided with a removable side, whereby the tray may be inserted in a commercial box and the matches transferred thereto, as will more fully hereinafter appear.

In the drawings, Figure 1 is a perspective of the tray. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a perspective of the tray with one side removed. Fig. 4 is a perspective view of a commercial match-box.

The tray consists, essentially, of two parts, A and B, arranged to slide one into the other.

The part A has end walls, C, a bottom, D, division-walls E, preferably parallel with the end walls, and a side wall, F, preferably higher than the other walls and extending slightly beyond them. The other side of the part A is open, the upper corners of the walls C being rounded.

The part B has a bottom, G, a high side wall H, similar to the wall F, and end walls I, having the upper edge, K, returned on itself.

The two parts are so proportioned in size that the part A will slide into the part B laterally, the walls C sliding under the edges K and abutting against the side wall H, and the end walls I of the part B abutting against the extended ends of the wall F.

When the two parts are together, they form a tray, as shown in Fig. 1, adapted to a conveyer, the high sides passing through suitable guides on a match-machine.

The rounded ends of the end walls C facilitate the insertion of the part A into the part B.

In Fig. 4 is shown a commercial match-box having a lid at one side.

To transfer matches from a solid box of like shape to that shown in Fig. 1 would be tedious and expensive; but by removing the part B the part A may be inserted in the match-box and then withdrawn, leaving the matches in said box; or they may be permitted to slide from the part A into the box. The divisions in the tray prevent the matches assuming a longitudinal position in the tray.

Having described my invention, what I claim is—

1. A match receiving and depositing tray, consisting of the part A, provided with a bottom, D, end walls C, partition-walls E, parallel with the end walls C, and a side wall, one side of this part being left open, and the part B constructed with a bottom, end walls I, and a side wall, the part A being adapted to slide laterally into the said part B, substantially as set forth.

2. A match receiving and depositing tray, consisting of the part A, provided with a bottom, end walls, and a side wall, one side of this part being left open and the part B provided with a bottom, end walls, and a side wall, one side of this part being also left open, the part A being adapted to slide laterally into the said part B, as and for the purpose set forth.

3. A tray for a match-machine, consisting of a two-part separable box, one part being provided with end walls having turned-over edges to receive the end walls of the other part, substantially as described.

4. A tray for a match-machine, consisting of a two-part separable box, one part having a bottom, end, and division walls, and but one side wall, and the other part having a bottom, end walls with turned-over edges to receive the end walls of the other part, and but one side wall, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

LEVI KITTINGER.

Witnesses:
F. A. WILCOX,
A. H. NOAH.