L. C. LANG.

MATCH BOX.

APPLICATION FILED SEPT. 5, 1908.

925,487. Patented June 22, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

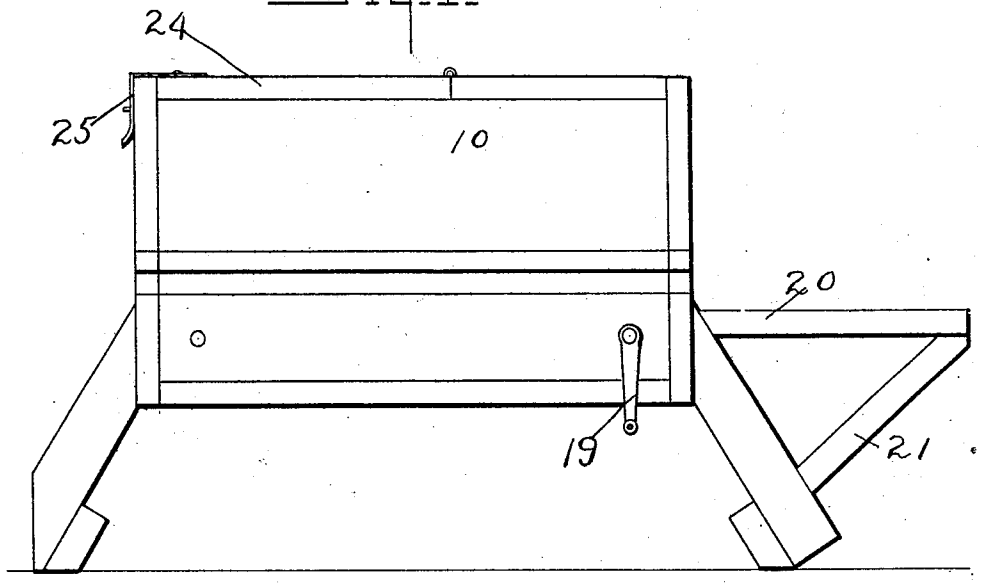
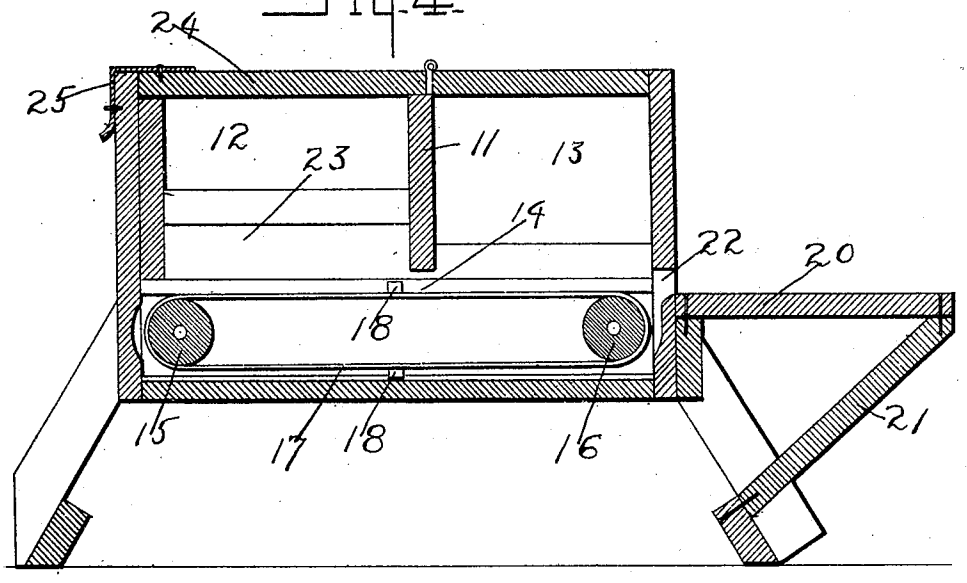


Fig. 4.



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2 SHEETS—SHEET 2.

Fig. 2.

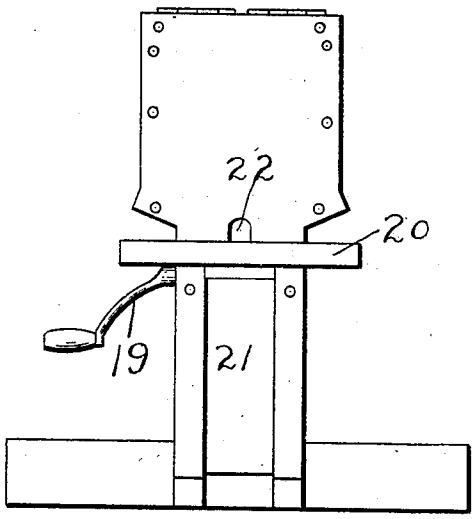


Fig. 5.

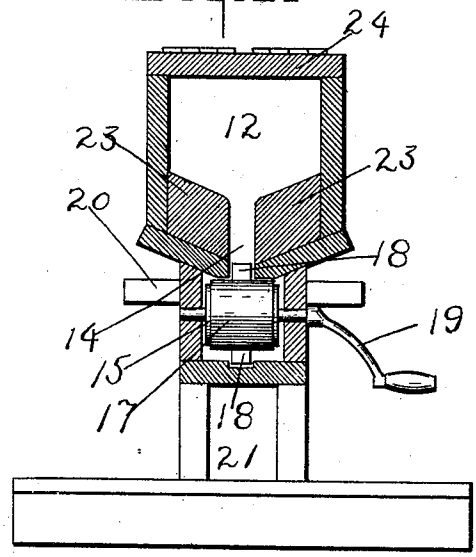
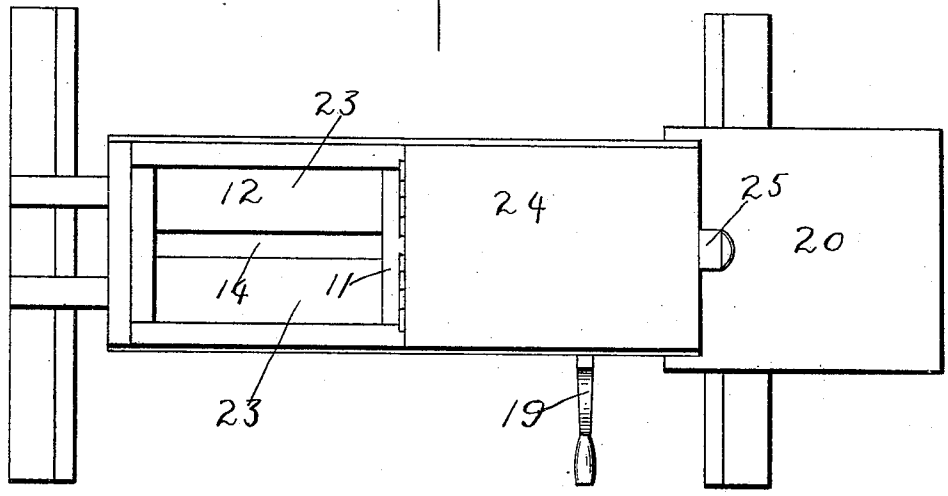


Fig. 3.



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UNITED STATES PATENT OFFICE.

LOUIS C. LANG, OF EMERALDA, FLORIDA.

MATCH-BOX.

No. 925,487. Specification of Letters Patent. Patented June 22, 1909.

Application filed September 5, 1908. Serial No. 451,774.

To all whom it may concern:

Be it known that I, LOUIS C. LANG, a citizen of the United States, residing at Emeralda, in the county of Lake and State of Florida, have invented certain new and useful Improvements in Match-Boxes, of which the following is a specification.

This invention relates to receptacles and has special reference to a device in which matches are to be stored.

An object of this invention is to construct a match receptacle which is provided with mechanism whereby the matches contained in the receptacle are delivered one at a time when the mechanism is operated.

The invention has for a further object the provision of a device of this character which will deliver matches with but slight operation upon the part of the operator and a device that will positively deliver the matches.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of the complete device, Fig. 2 is a front end elevation of the same, Fig. 3 is a top plan view of the device having the cover in an open position, Fig. 4 is a vertical longitudinal section of the device, Fig. 5 is a transverse section through the match receiving chamber and apparatus disposed therebeneath.

Referring now to the drawings, 10 designates a rectangularly formed receptacle which is provided centrally and transversely with a partition 11 which separates the receptacle 10 into a match receiving chamber 12 positioned at the rear extremity of the receptacle 10 and an air space 13 formed at the forward end thereof through the bottom of which is adapted to pass the matches as they are being fed from the chamber 12.

A channel 14 is formed longitudinally beneath the receptacle 10 in the opposite ends of which are mounted two rollers 15 and 16 which support an endless belt 17 which is longitudinally disposed within the channel 14. The belt 17 is provided with abutments 18 positioned upon the outer face thereof against which are adapted to engage the extremities of matches as they fall from the chamber 12. For the purpose of actuating the belt 17 a crank arm 19 is positioned upon the outer extremity of the shaft supporting the forward roller 16 which is to be grasped by the operator and rotated in order to set the belt 17 in the proper motion.

A platform 20 is mounted upon an arm 21 at the forward extremity of the channel 14 for the purpose of receiving the matches which are fed by the belt 17 through an aperture 22 formed in the upper forward extremity of the channel 14 in alinement with the upper face of the belt 17.

The chamber 12 is provided at its bottom with beveled blocks 23 which slope centrally where they are so spaced as to form a passage way which admits the passage of only one match at a time from the receptacle or chamber 12.

The operation of the device is as follows: A quantity of matches are placed in the chamber 12 which rest upon the blocks 23, one of the matches falling through the aperture formed in the bottom of the chamber 12 and resting upon the upper face of the belt 17. The cover 24 of the chamber 12 may be secured by the hasp 25 in order to prevent access to the chamber 12 if it is desired. When the operator desires to obtain a match the crank arm 19 is rotated which actuates the roller 16 and causes the belt 17 to actuate and carry the match positioned upon the upper face toward the aperture 22 and platform 20. If the match for any reason sticks or is otherwise wedged in the apparatus and is not carried by the belt 17 by reason of its own weight the abutments 18 will engage the rear extremity of the match and force the same forwardly overcoming the friction and feed the same through the aperture 22 to the platform 20.

The whole device is preferably mounted upon standards 26 positioned at the opposite extremities of the under side thereof.

What is claimed is:—

In a match box of the class described the combination of a receptacle, a beveled and apertured bottom disposed in said receptacle, a cover hingedly disposed upon the upper extremity of said receptacle, said receptacle adapted to longitudinally carry a plurality of matches and to deliver the same longitudinally through the bottom thereof, rollers

disposed in the opposite ends of said receptacle, an endless belt mounted over said rollers beneath said apertured bottom, a hand lever carried by one of said rollers for actuating the same, a plurality of abutments mounted on said belt for engaging the ends of the matches and a platform carried at one extremity of said receptacle for the purpose of receiving said matches when carried thereto by said belt.

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

LOUIS C. LANG.

Witnesses:
J. S. LANG,
N. W. WALLACE.