

No. 624,354.

Patented May 2, 1899.

J. LINDGREN.  
MATCH SAFE.

(Application filed Dec. 13, 1898.)

(No Model.)

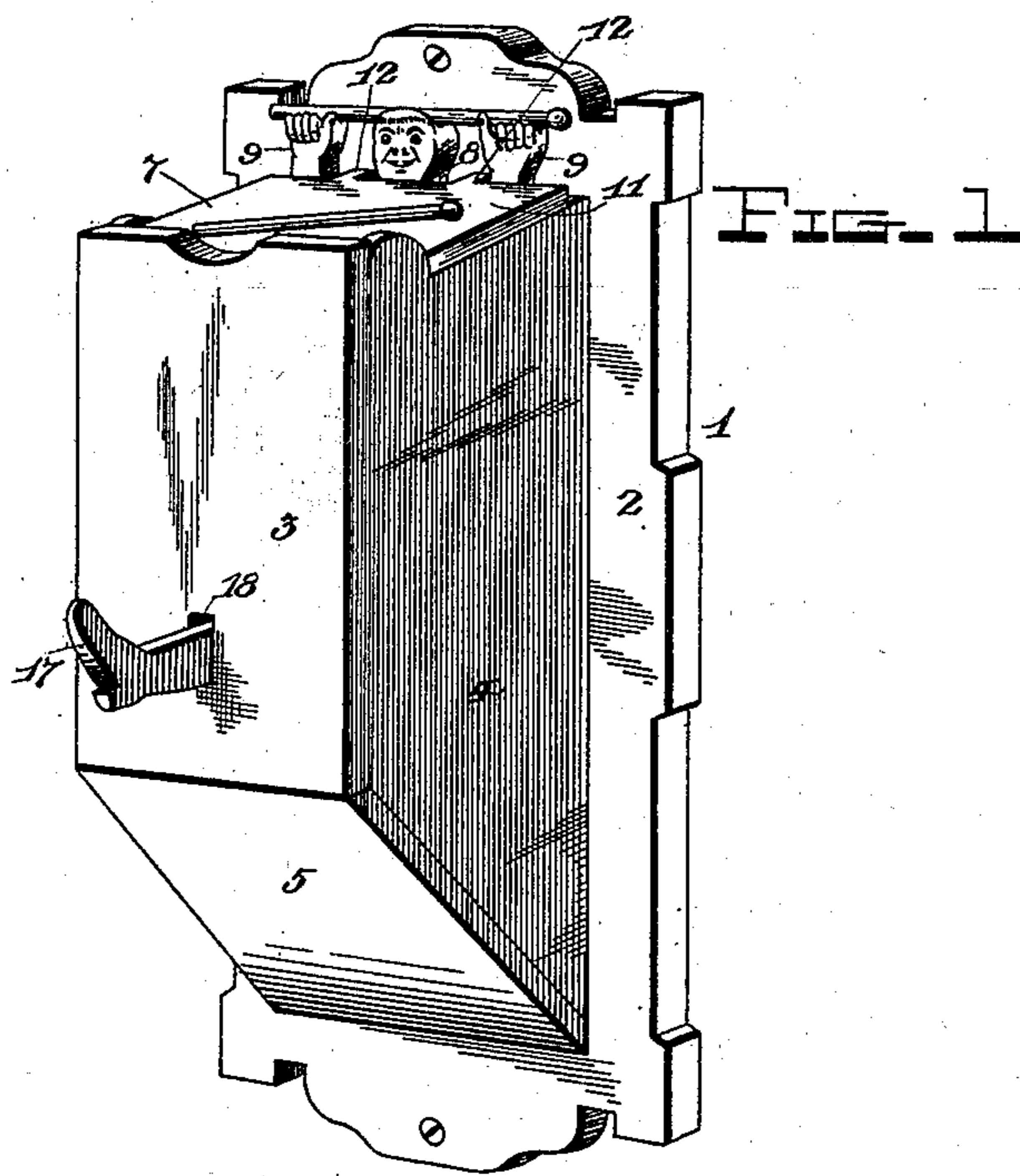
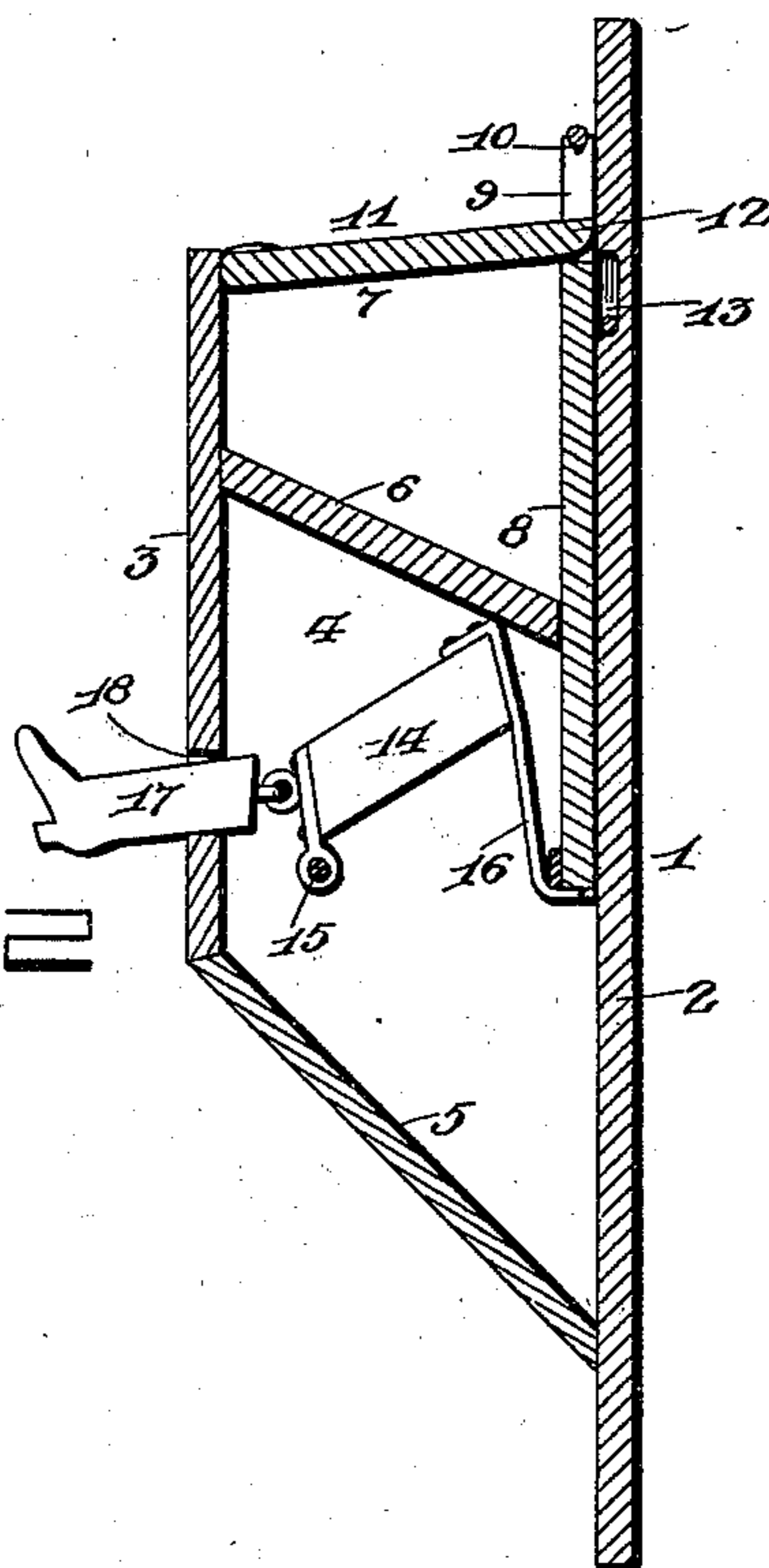


FIG. 1



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN LINDGREN, OF PORTER'S MILLS, WISCONSIN.

## MATCH-SAFE.

SPECIFICATION forming part of Letters Patent No. 624,354, dated May 2, 1899.

Application filed December 13, 1898. Serial No. 699,158. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN LINDGREN, a citizen of the United States, residing at Porter's Mills, in the county of Eau Claire and State of Wisconsin, have invented certain new and useful Improvements in Match-Safes; and I 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.

The invention relates to match-safes, and more particularly to that class known as "single-delivery" safes.

The object of the invention is to provide a device of this character that shall be simple of construction, durable in use, and comparatively inexpensive of production and one in which it will be absolutely impossible to get more than one match at a time, thus effecting a material saving in their consumption.

With this object in view the invention consists in certain features of construction and combinations of parts, which will be herein-after fully described and claimed.

In the drawings, Figure 1 is a perspective view of my improved match-safe. Fig. 2 is a longitudinal vertical sectional view showing the match-plunger elevated, a match upon the delivery-board, and a match which has fallen back of the plunger into the pocket in the back of the safe.

In the drawings, 1 denotes the match-safe, consisting of the back piece 2, the front piece 3, the side pieces 4, the bottom 5, the rearwardly-inclined partition 6, and the cover 7.

8 denotes the plunger, which has a vertically-sliding movement in the safe. This plunger is provided with arms or projections 9, the extremities of which are notched, as shown at 10, to receive one match at a time and elevate it above the hinged stripper delivery-board 11, having stripper-fingers 12, which when the plunger is projected upwardly will yield and allow the plunger to pass with its match and will then immediately fall under the match, so that when the plunger descends the match will be stripped from its arms by the stripper-fingers and will roll down the inclined board until it strikes the upper end of the front piece of the safe, which projects slightly above the board and

is provided with a recess 12 to facilitate its removal.

In projecting the plunger through the match-compartments two or more matches are oftentimes caught by the arms of the plunger, and if provision were not made to dispose of them they would be discharged upon the delivery-board. To obviate this, I form a pocket 13 in the back piece, so that should more than one match be elevated it or they would drop into the pocket when they came opposite it, and after the remaining match carried upwardly by the plunger had been discharged upon the delivery-board and the plunger fallen to its normal position the match or matches in the pocket would drop upon the bottom of the match-compartment and be in position to be elevated upon the next up-stroke of the plunger.

Any suitable means may be employed for operating the plunger; but those shown are preferred by me, and consist of a block 14, hinged to a cross-rod 15, connected to the lower end of the plunger by a flexible strap 16.

17 denotes a pull-bar or handle, the inner end of which is loosely connected with the forward end of the block and the outer end of which projects through an opening 18 in the front piece of the safe.

In operation where it is desired to remove a match from the safe the forward end of the handle is pulled outwardly, thus elevating the rear end of the block and projecting the plunger upwardly. In its upward movement the arms engage the match and elevate it above the delivery-board, where it is discharged. Should there be more than one match elevated, those in excess of one will fall back into the pocket in the back of the safe, and when the plunger drops to its normal position the matches in the pocket will fall back into the compartment, as above explained.

It will be understood that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. In a match-safe of the character de-

scribed, the combination with a match-com-  
partment having at its upper end a hinged  
top serving as a delivery-board and provided  
with stripper-fingers, of a plunger adapted to  
5 move vertically through the compartment and  
elevate a match therefrom and deliver it upon  
the said board, substantially as and for the  
purpose set forth.

2. In a match-safe of the character de-  
10 scribed, the combination with a match-com-  
partment formed with a pocket in its rear side  
and having at its upper end a hinged top serv-  
ing as a delivery-board and provided with  
stripper-fingers, and a plunger adapted to

move vertically through said compartment in 15  
engagement with its rear side and provided  
with recessed arms to contain but one match,  
said plunger adapted to elevate a single match  
above the said board and deposit it there-  
upon, substantially as and for the purpose set 20  
forth.

In testimony whereof I have hereunto set  
my hand in presence of two subscribing wit-  
nesses.

JOHN LINDGREN.

Witnesses:

A. H. HOLLEN,  
ANTON LARSON.