No. 860,306. PATENTED JULY 16, 1907.

M. LEBENBERG.

AUTOMATIC ADVERTISING MACHINE.

APPLICATION FILED SEPT. 24, 1906.

2 SHEETS—SHEET 1.

FIG. 1

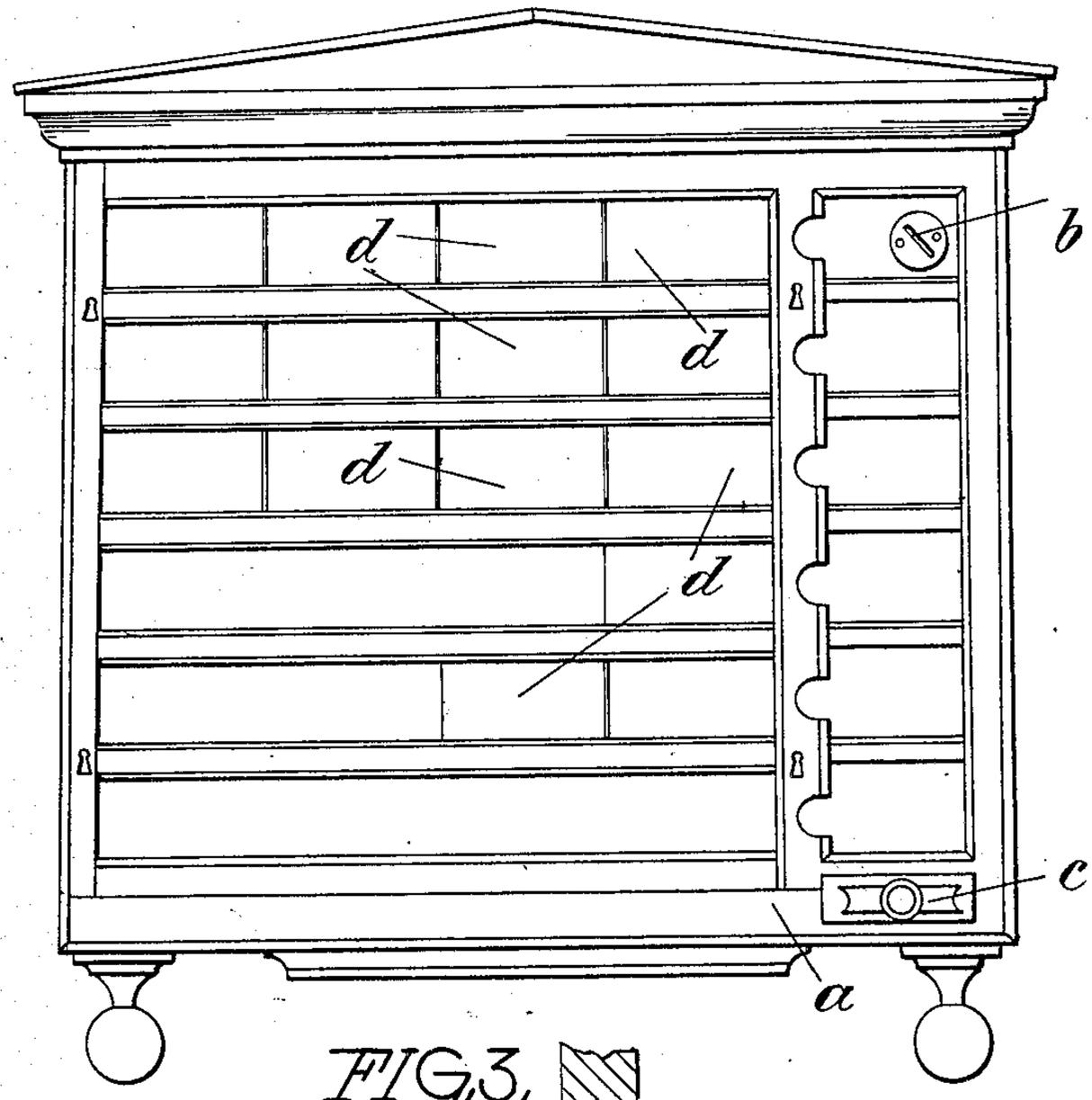


FIG. 2.

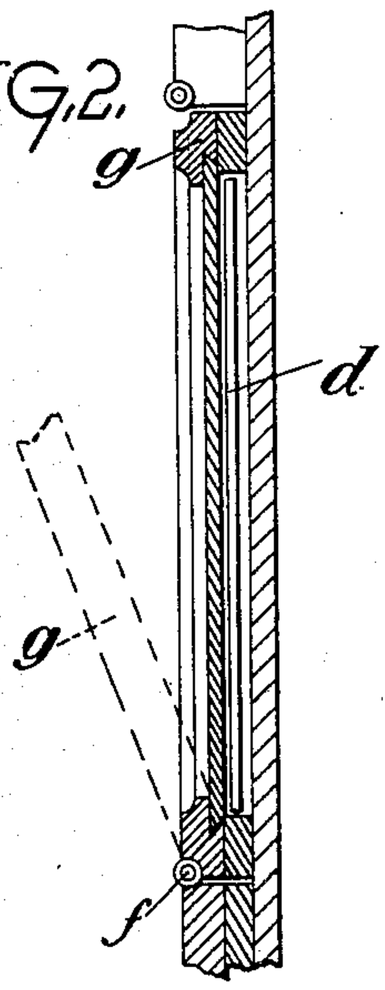


FIG. 3.

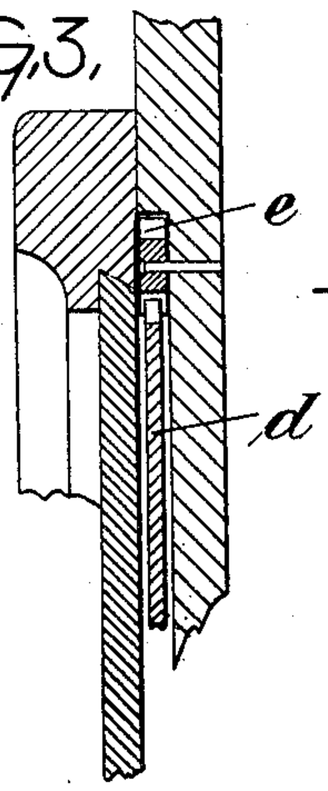


FIG. 4.

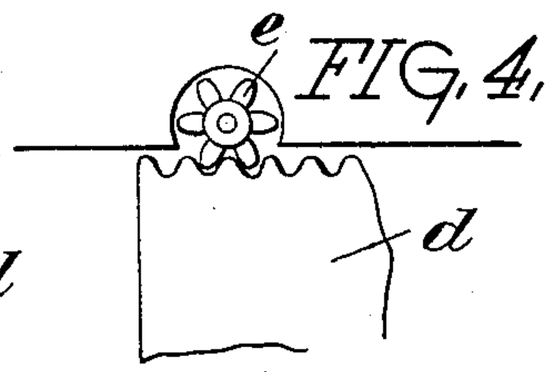
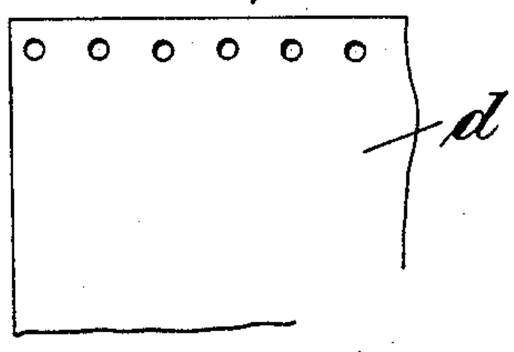


FIG. 5.



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AUTOMATIC ADVERTISING MACHINE.

APPLICATION FILED SEPT. 24, 1906.

2 SHEETS—SHEET 2.

FIG. 6.

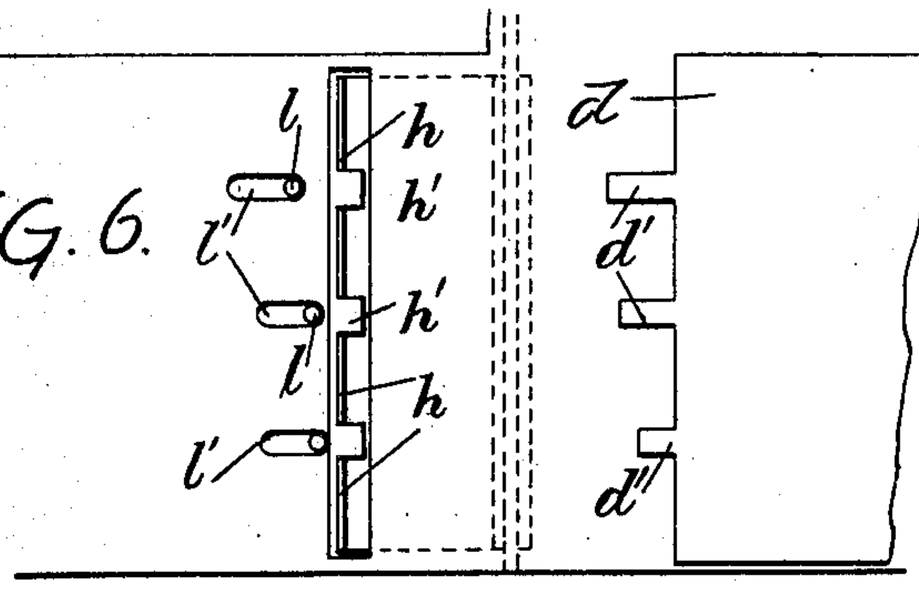


FIG. 7.

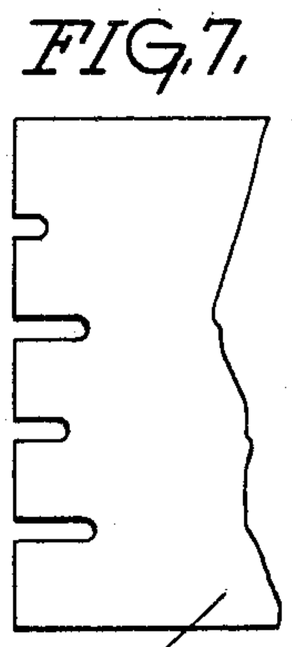


FIG. 8.

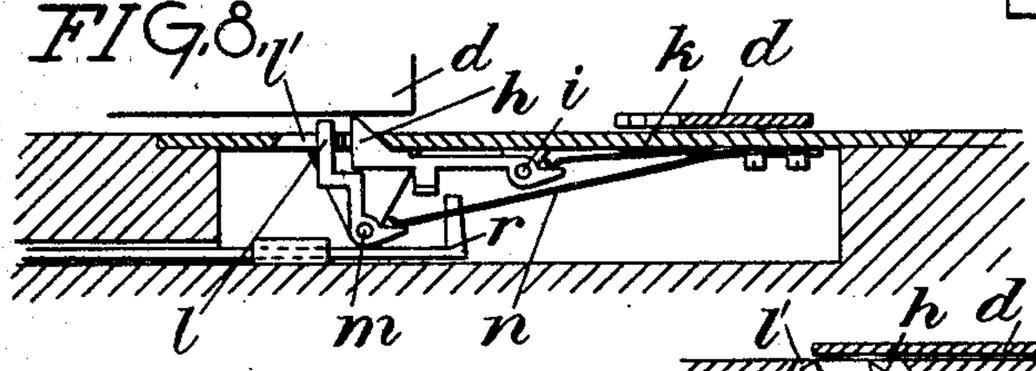


FIG. 9.

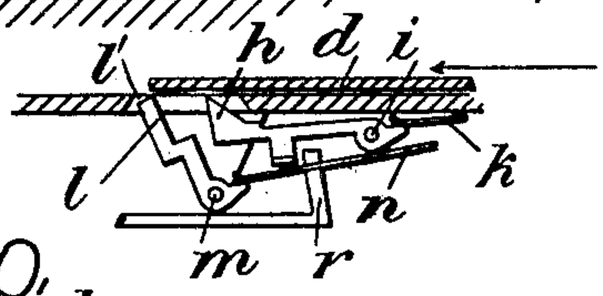


FIG. 10.

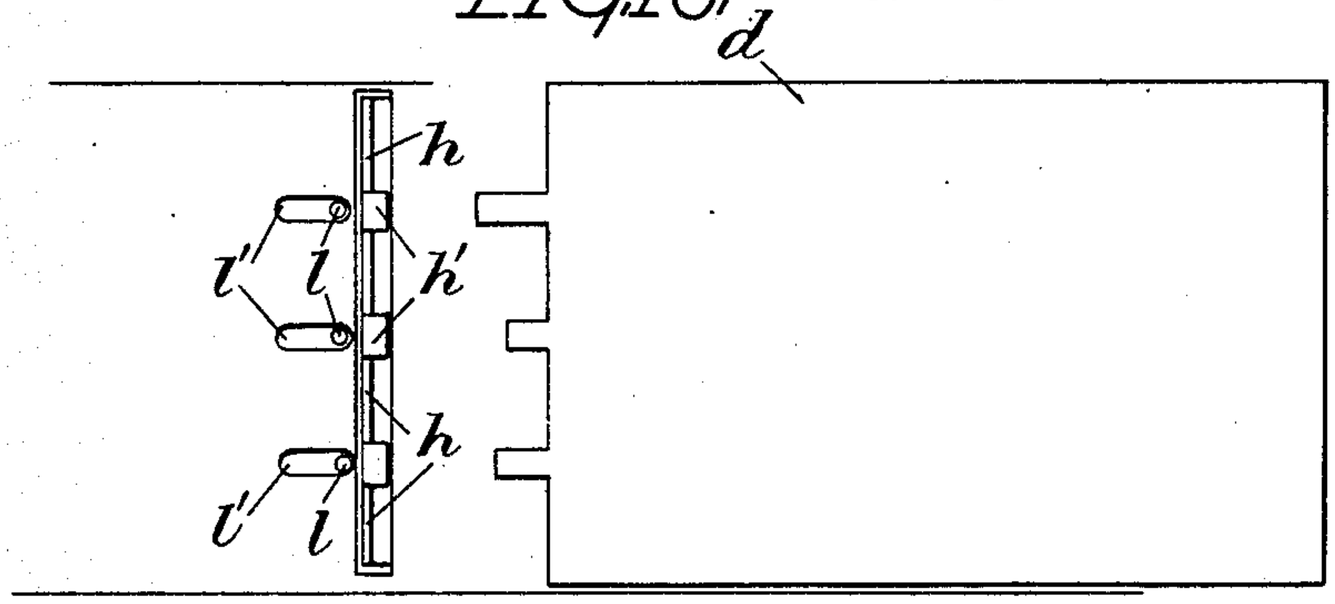
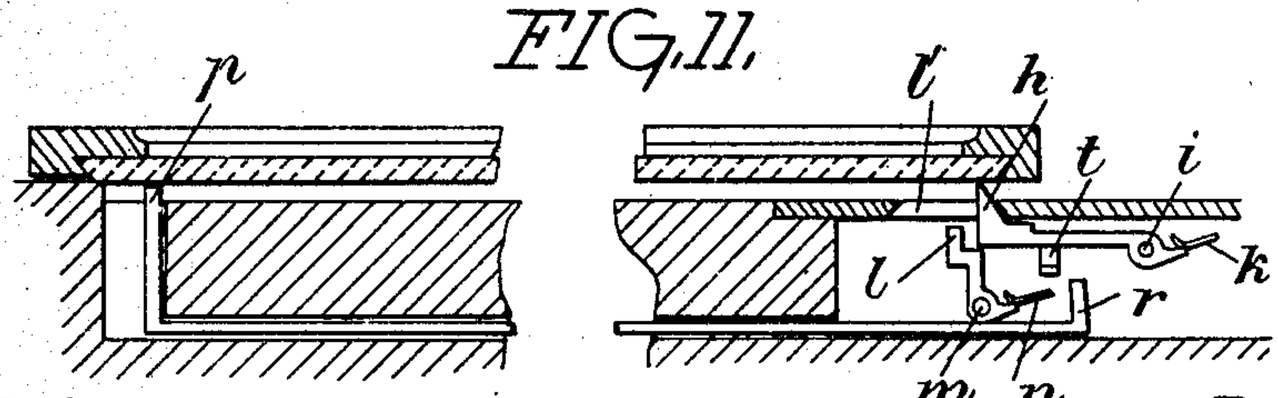


FIG. 11.



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UNITED STATES PATENT OFFICE.

MAX LEBENBERG, OF BERLIN, GERMANY.

AUTOMATIC ADVERTISING-MACHINE.

No. 860,306. Specification of Letters Patent. Patented July 16, 1907.

Application filed September 24, 1906. Serial No. 336,041.

To all whom it may concern:

Be it known that I, MAX LEBENBERG, merchant, a subject of the King of Prussia, residing at Berlin, 106 Düsseldorferstrasse, Germany, have invented a new and useful Improvement in Automatic Advertising-Machines; and I do hereby declare the following to be a full, clear, and exact description of the same.

This invention relates to an automatic advertising machine which on the introduction of a coin delivers a card which after having been provided with a certain inscription can be placed in the automatic advertiser in such manner that it remains permanently in sight of an onlooker, and in this way exposes to the view of a large number of the public an advertisement.

The invention is chiefly characterized by the card, or a frame-shaped card holder, itself constituting a key, so that it can be introduced into the automatic apparatus without any special auxiliary means, and in such manner that it comes into proper position. To this end, the card is provided with recesses, reliefs and notches or with a specially formed edge, but if it be desired to use a card of thin and light material, the said card could be placed into a frame which would then be formed in such manner as to constitute a key for releasing the inlet opening of the automatic apparatus.

Several construction of the apparatus according to this invention are illustrated, by way of example, in the accompanying drawings, in which:—

Figure 1 is a front elevation of the automatic apparatus: Fig. 2 a vertical cross-section through a portion of the same on an enlarged scale: Fig. 3 a similar section of another construction of the apparatus. Fig. 4 a part view of the said construction: Fig. 5 a piece of a card provided with holes near one of its edges, Fig. 6 a construction of a slot opening with a card, the latter being provided with projections of different heights, Fig. 7 a card formed into a key by notches of varying depths: Figs. 8 and 9 show two sections through a special construction of the slot opening: Fig. 10 another construction of the slot opening with corresponding key card, and Fig. 11 a section through a slot-closing device, in connection with a safety device preventing more than a determined number of cards from being introduced into each row of the apparatus.

At the right hand side of the casing of the apparatus *a*, is arranged a coin slot *b*. After introducing into the same a coin of a given value, a drawer *c* can be pulled out and a card *d* taken out, which can be introduced into the automatic apparatus in such manner that it will be visible to the public behind a glass as shown in Fig. 1.

In the construction shown in Figs. 3 and 4, the upper edge of the card *d* is made of such shape that it forms a series of teeth which, when the card is introduced through the lateral slot opening of the apparatus, rotate a small pinion *e*, so that the card can be freely introduced from the side into the apparatus.

Instead of providing the edge of the card with teeth, holes may be provided at certain intervals near the edge of the card, as shown in Fig. 5, with which holes teeth or pins of a wheel would engage when the card is being introduced into the slot opening of the apparatus. The introduction of the card is in that case possible only if the pitch of the toothed wheel corresponds to the distance between the holes.

As an additional precaution, several series of holes may be arranged on the card. Each row of cards is preferably held closed by flap doors *g* pivoted on pins *f* (Fig. 2) which doors could be opened only by special employees when desired, in order to empty the apparatus after it has been working for a certain time.

In the construction shown in Figs. 6, 8 and 9, the slot closing device comprises a projecting member *h* pivoted on pins *i* and held normally in the closing position shown in Fig. 8, by means of a spring *k*. Behind the said ledge *h* are provided stop or tumbler pins *l* in slots *l'*, on pins *m*. These stop pins are controlled by springs *n* which normally hold them in the position shown in Fig. 8. It is possible to introduce a card *d* into the slot only when the lateral projections *d'* of the said card are of such shape that they can freely pass through recesses *h'* of the projecting member *h*. The projections *d'* have, however, in addition to press back the stop pins *l*, in the manner shown in Fig. 9, so that the card *d* can freely pass over the pins. This is, however, possible only when the length of the different projections *d'* is such that they all strike the stop-pins *l* at the desired moment, in order to enable the card to pass freely over the stop pins.

The slots *l'* in Fig. 6 are at different distances from the ledge *h*. As will be seen in Fig. 10, however, these slots may be arranged at the same distance from the ledge *h* and be of the same length. In that case it is, however, necessary to make the pins *l* of different length.

According to the construction shown in Fig. 7, the card *d* is provided with recesses of different depth, instead of with projections. This construction is more practical as the card is in this construction stronger. The slot closing device may be of various constructions. The essential point is that it should be possible to open it automatically by means of the card, or card holder constituting the key.

The card can be made into a key in a great many other possible ways. It may, for instance, be provided with pressed-out projections, or be made corrugated. In each case it can be formed into a key so long as it is shaped in accordance with certain rules.

After a row of the automatic apparatus has been filled with a proper number of cards, the slot is closed automatically, a rod or bar *p* (Fig. 11) being shifted

by the card which has been introduced first and which has been gradually pushed forward by the other cards. The end *r* of the said bar, bent at a right angle, then engages under a projection *t* of the projecting member *h*, so that the latter cannot be moved out of its closing position. The automatic closing may, however be brought about in some other suitable manner.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent is:—

1. In an automatic advertising apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, key-controlled means to normally hold the slot closed, and a plurality of cards, each having one edge shaped to form a key to control said means.

2. In an automatic advertising apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, key-controlled means to normally hold the slot closed, a plurality of cards, each having one edge shaped to form a key to control said means and permit the card to enter the compartment and a device operated by the cards to lock said means when a determined number of cards have been inserted in the compartment.

3. In an automatic advertising apparatus and in combination a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto key-controlled means to normally hold the slot closed, a plurality of cards, and a frame for each card having one edge shaped to form a key to control said means.

4. In an automatic advertising apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, key-controlled means to normally hold the slot closed, a plurality of cards, a frame for each card having one edge shaped to form a key to control said means and permit said frame and card to enter the compartment, and a device operated by the cards to lock said means when a determined number of cards have been inserted.

5. In an automatic advertising apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, a device obstructing the entrance to said slot, and a plurality of cards each having one edge shaped so as to pass said obstruction.

6. In an automatic advertising apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, a device obstructing the entrance to said slot, and a plurality of cards each mounted in an frame having one edge shaped so as to pass said obstruction.

7. In an automatic advertising apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, a yielding obstructive device to prevent passage through said slot, and a plurality of cards each having one edge shaped to temporarily remove said obstruction.

8. In an automatic advertising apparatus and in combination a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, a yielding obstructive device to prevent passage through said slot and a plurality of cards each mounted in a frame having one edge shaped so as to temporarily remove said obstruction.

9. In an automatic apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, means to normally hold the slot closed and a plurality of cards each having one edge provided with a series of recesses of varying depth to control said means and temporarily open said slot.

10. In an automatic advertising apparatus and in combination, a compartment adapted to hold a plurality of cards and expose them to view when placed in a row, said compartment having a slot forming the entrance thereto, means to normally hold the slot closed and a plurality of cards each, mounted in a frame having one edge provided with a series of recesses of varying depth to control said means.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

MAX LEBENBERG.

Witnesses:
HENRY HASPER,
WOLDEMAR HAUPT.