May 2, 1950 J. S. ZANDELIN 2,506,261

CARD REGISTER

Filed Feb. 6, 1946 2 Sheets-Sheet 1

FIG. 1.

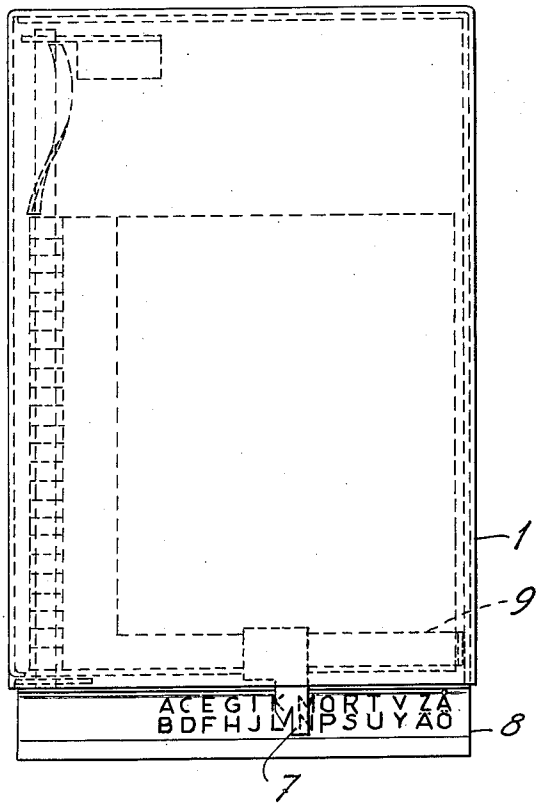
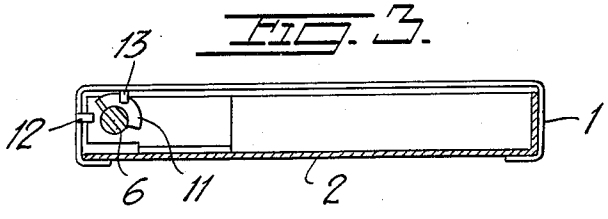


FIG. 3.



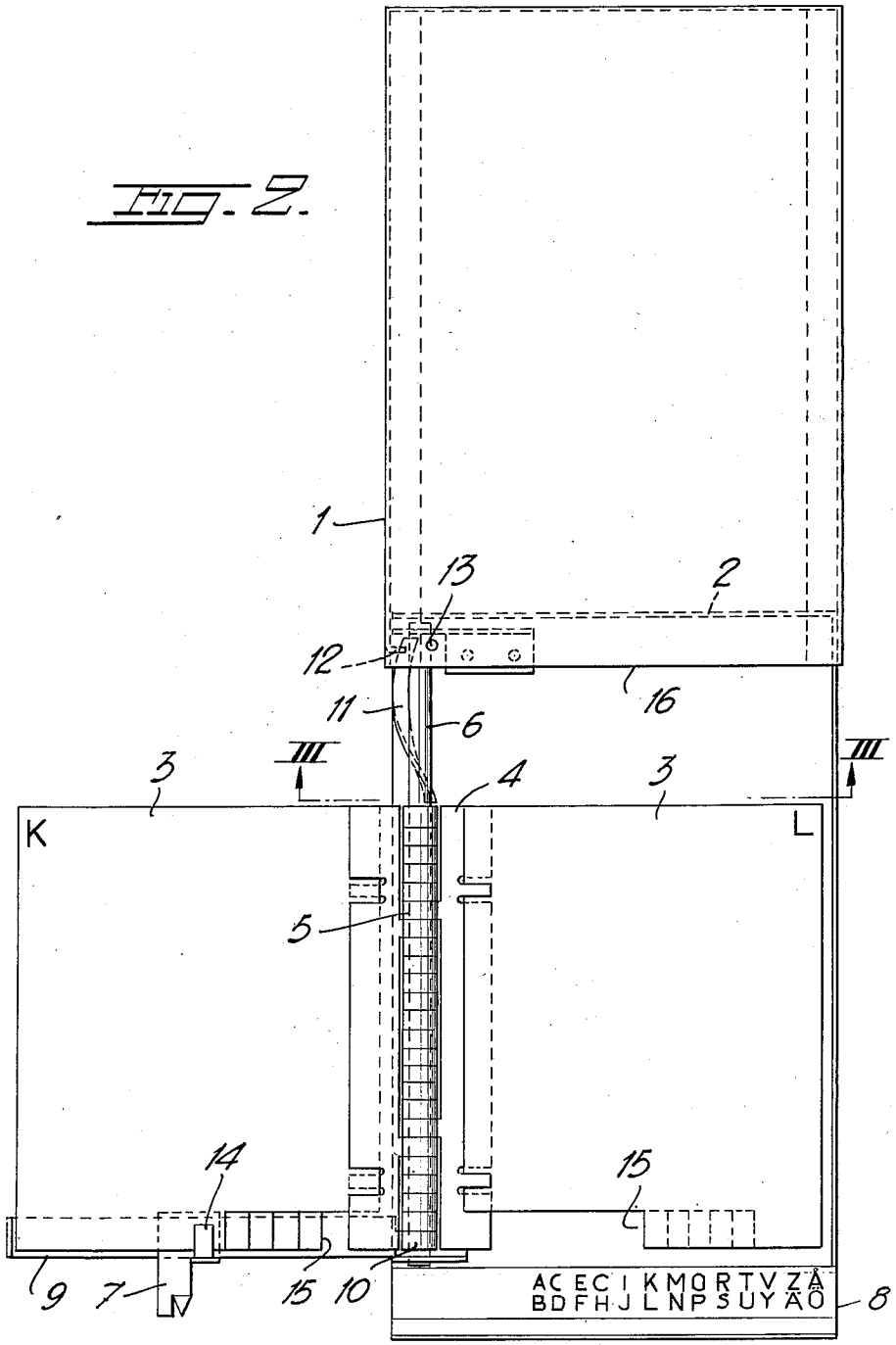
Inventor
Johan S Zandelin
by Sommers & Young
Attorneys

May 2, 1950 J. S. ZANDELIN 2,506,261

CARD REGISTER

Filed Feb. 6, 1946 2 Sheets-Sheet 2

Fig. 2.



Inventor
Johan S. Zandelin
by Sommers & Young
Attorneys

Patented May 2, 1950 2,506,261

UNITED STATES PATENT OFFICE

2,506,261

CARD REGISTER

Johan Samuel Zandelin, Stora Essingen, Stockholm, Sweden

Application February 6, 1946, Serial No. 645,808
In Sweden January 24, 1945

3 Claims. (Cl. 40—104)

1

This invention relates to card registers, particularly for telephone subscribers, comprising a book, block, pile or the like of register cards or sheets received in a drawer mounted in a casing.

One object of the invention is to provide such a register in which any desired card may be manually preselected with the drawer enclosed within the casing and then automatically rendered visible for deriving the desired information therefrom simply by moving the drawer out of the casing.

To the accomplishment of the foregoing and other objects which will appear from the following the invention consists of the structure hereinafter described and pointed out in the appended claims, the annexed drawing and the following description setting forth a preferred structural embodiment to which, however, the invention is not restricted.

On said drawing:

Fig. 1 shows a top plan view of the entire card register device with the drawer in pushed-in position.

Fig. 2 shows similarly the card register device with the drawer pulled out and the book opened at a desired place thereof.

Fig. 3 shows a section along line III—III in Fig. 2.

The device as shown comprises a casing 1 and a drawer 2 adapted to be moved into and out of casing 1 and receiving a pile of cards 3. In the form of my invention illustrated the individual cards are secured to carrier strips 4 hinged at 5 to a shaft 6 mounted for rotation in drawer 2 whereby the cards 3 may be turned similarly to the sheets of a book.

The embodiment illustrated is adapted to be used as a register for recording telephone subscribers, the names and directory numbers of which are written on the different cards 3. The latter are arranged in alphabetical order and each individual card is adapted to be pre-selected by means of an index 7 which in the position of the register shown in Fig. 1 may be adjusted to a position opposite any desired character in the alphabetical index appearing on a strip 8 mounted at the front edge of drawer 2. To this end index 7 is shiftable along a lever 9 rigidly secured at 10 to shaft 6. Shaft 6 is provided with a curved cam member 11 helically arranged and adapted to cooperate with two fixed members formed by lugs 12 and 13 mounted on or formed by casing 1.

The mode of operation of the device described is as follows:

If the user, for instance, desires to ascertain

2

the directory number of a telephone subscriber the initial of which is K or L, then index 7 is placed in register with the characters K and L on strip 8 whereupon drawer 2 by means of strip 8 is pulled out to the position shown in Fig. 2. The book formed by cards 3 is then opened so that the cards bearing the characters K and L become visible as shown in Fig. 2. The automatical opening of the book is effected by lug 13 engaging cam 11 when drawer 2 is pulled out whereby shaft 6 together with lever 9 is rotated counter-clockwise. Thus, index 7 by means of an extension 14 situated below the cards turns the card having the character K at its backside and all of the cards situated thereabove. To permit such selection of any desired card the cards 3 are provided with recesses of successively increasing length at their front edge as shown at 15 in Fig. 2.

When the desired information has been derived from the card register the user needs only push drawer 2 into casing 1 whereby curved cam member 11 is engaged by lug 12 and thereby rotates shaft 6 along with lever 9 clockwise from the position shown in Fig. 2 so as to close the book prior to its top edge reaching the insertion opening 16 of casing 1. The entire pile of cards may thus be pushed into casing 1 as shown in Fig. 1.

Obviously the device as shown on the drawing is merely a preferred embodiment of my invention to which the invention is not restricted. Thus, the arrangement of the cards may differ from that shown in applying the invention for other purposes, and furthermore the cards may be mounted for the desired turning over in other ways than that shown on the drawing. Thus, the cards may be united similarly to the sheets of a book or block and instead of more or less rigid cards sheets of thinner material may be used. The term "cards" as used in the claims is, therefore, intended to cover also such sheets. Also the control mechanism for the card selector may differ in construction from that shown on the drawing provided it effects an automatic opening of the book in pulling the drawer out of the casing and an automatic closing of the book in pushing the drawer into the casing. The latter may, for instance, be mounted below an ordinary table telephone or be hung up on a wall adjacent a telephone.

What I claim is:

1. A card register, particularly for telephone subscribers, comprising, in combination, a drawer, superimposed register cards situated therein and forming a book-like structure, a card selector for manually preselecting any desired card, and a

control mechanism for turning said card selector about an axis parallel to the longitudinal direction of said drawer so as to cause it to open said book-like structure at the preselected place thereof in response to a movement of said drawer out of said casing and close said book-like structure in response to a movement of said drawer into said casing.

2. A card register as claimed in claim 1 wherein said control mechanism comprises a shaft mounted for rotation in said drawer and provided with a helical member adapted to cooperate with fixed members in said casing when said drawer is pushed into the casing and pulled out therefrom so as to rotate said shaft in opposite

directions, a lever serving as said card selector being secured to said shaft so as to follow the rotary movements thereof.

3. A card register as claimed in claim 2 wherein the cards are mounted for rotation on said control shaft.

JOHAN SAMUEL ZANDELIN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
2,013,012	Tauschek	Sept. 3, 1935