

(No Model.)

2 Sheets—Sheet 1.

A. E. NESSLE.
SHELF FOR REFRIGERATORS OR ICE BOXES.

No. 584,082.

Patented June 8, 1897.

FIG. 2.

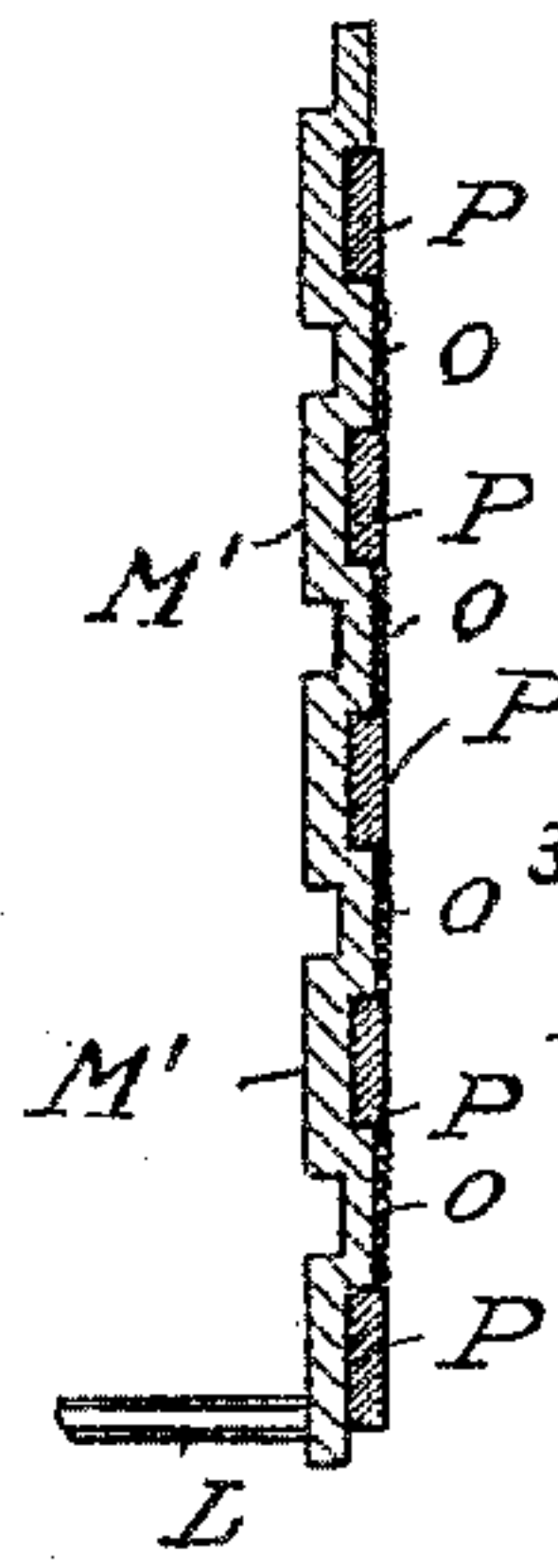


FIG. 1.

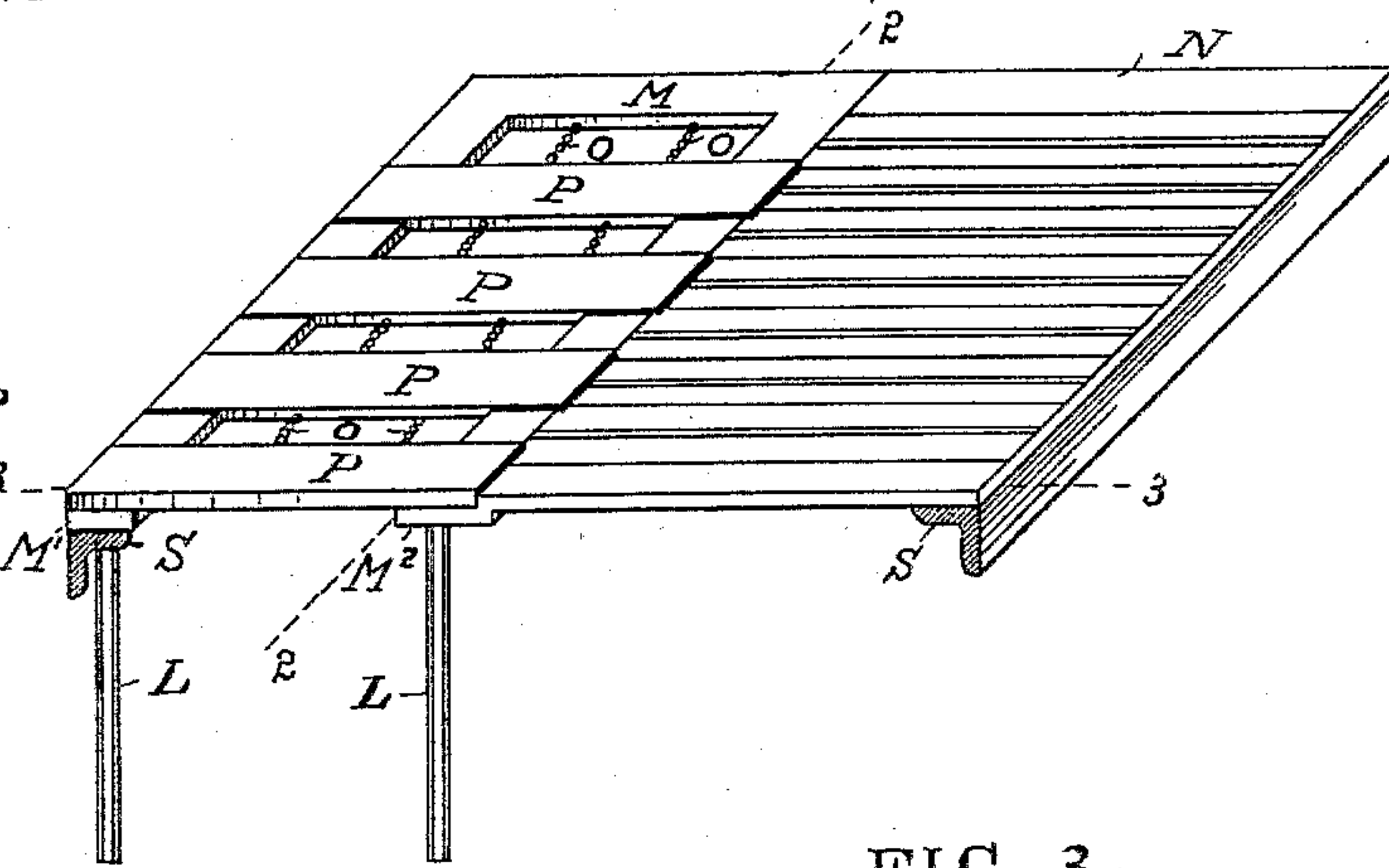


FIG. 3.

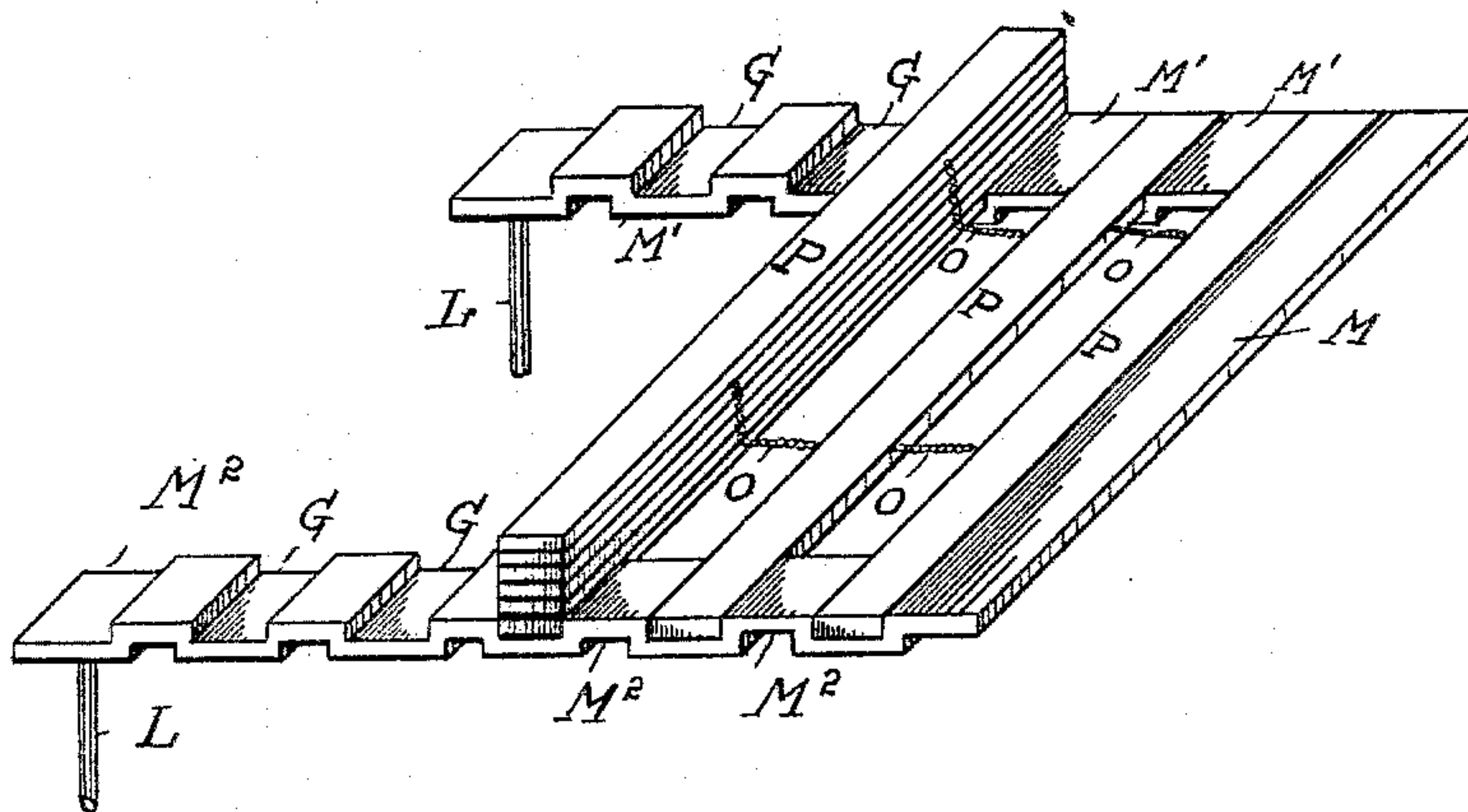
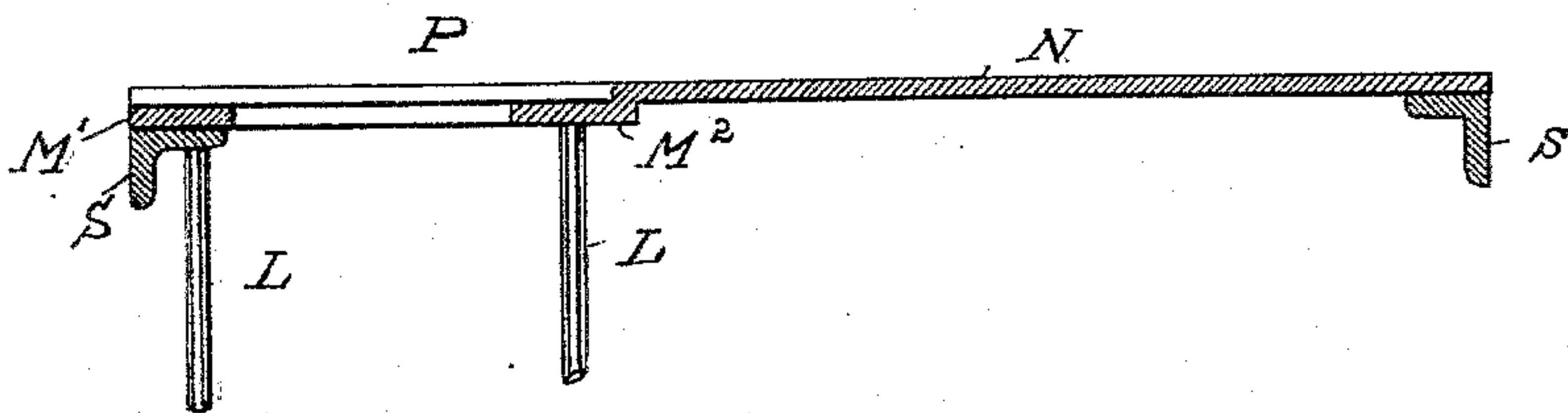


FIG. 4.



WITNESSES:

Alfred Ischinkel
Louis Bergmann

INVENTOR

Albert Emil Nessle

(No Model.)

2 Sheets—Sheet 2.

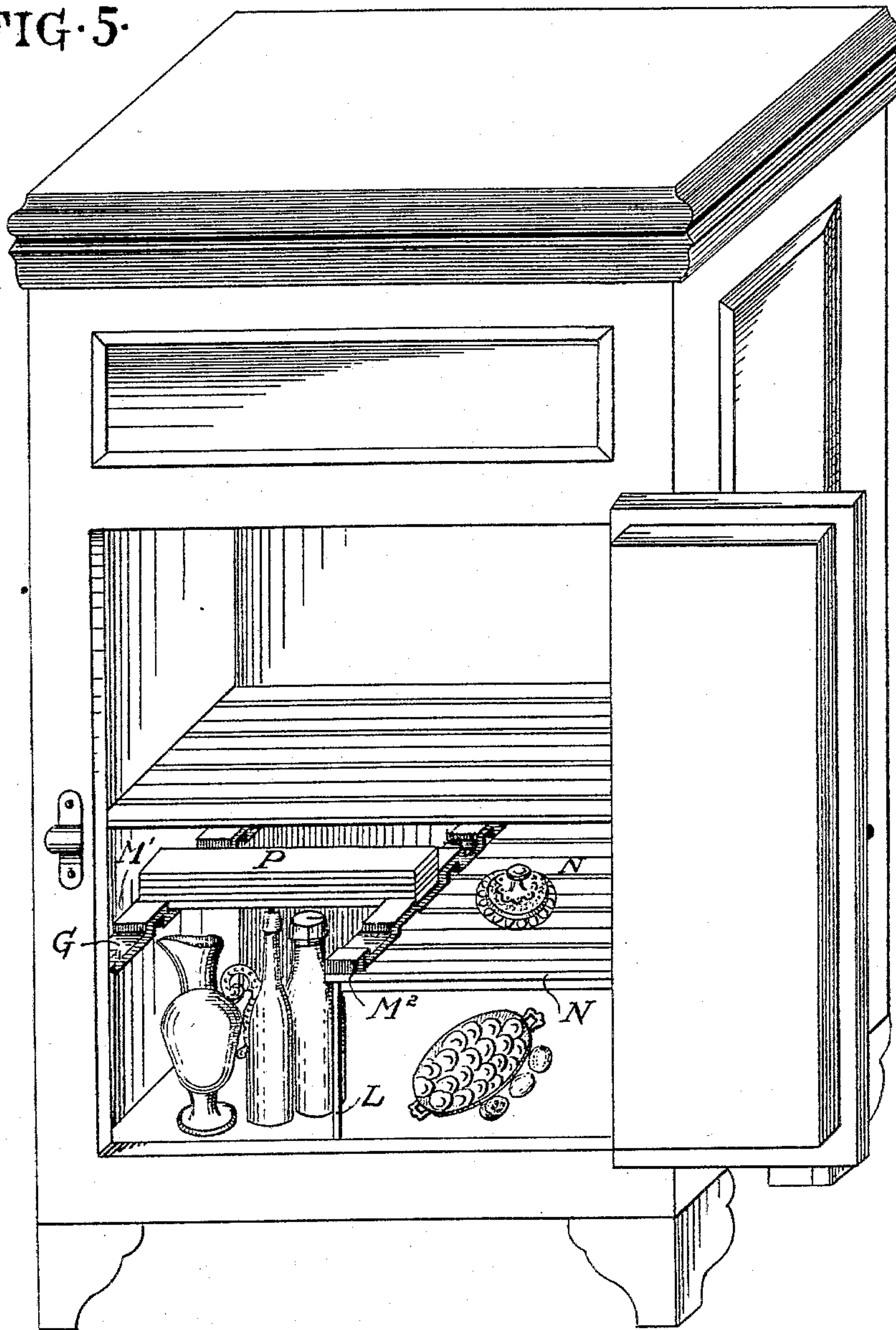
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FIG. 5.



WITNESSES:

Alfred Schinkel
Louis Bergmann

INVENTOR

Albert Emil Nessel

UNITED STATES PATENT OFFICE.

ALBERT EMIL NESSLE, OF HOBOKEN, NEW JERSEY.

SHELF FOR REFRIGERATORS OR ICE-BOXES.

SPECIFICATION forming part of Letters Patent No. 584,082, dated June 8, 1897.

Application filed June 23, 1896. Serial No. 596,649. (No model.)

To all whom it may concern:

Be it known that I, ALBERT EMIL NESSLE, a citizen of the United States, residing at Hoboken, Hudson county, and State of New Jersey, have invented certain new and useful Improvements in Shelves for Refrigerators or Ice-Boxes; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to improvements in shelves for refrigerators or ice-boxes; and its object is to provide a refrigerator or ice-box with adjustable slats by thus applying a simple and inexpensive device for storing food and bottles or other vessels at the same time in under part of refrigerator or ice-box without the necessity of disturbing the upper part containing the ice, which is at present generally used as a storage place for bottles and other vessels of greater dimensions not easily placed in under part of refrigerator or ice-box. Thus my new device for refrigerators or ice-boxes will be of the greatest convenience to the housekeeper, as the handling of an ice-box is made easier and the economical part when taken into consideration will show the greatest reduction on consumption of ice during the hot season, as the ice-chamber will be kept constantly closed with the exception of such times as the supply of ice has to be renewed.

To these ends my invention consists in certain features of construction and in the combination of parts which are hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, wherein similar letters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective front view of shelf. Fig. 2 is a sectional side view of shelf on line 2 2 in Fig. 1. Fig. 3 is a perspective side view of part of shelf, showing the adjustable slats in the different positions. Fig. 4 is a sectional front view of shelf on line 3 3 in Fig. 1. Fig. 5 is a refrigerator or ice-box provided with my new shelving device.

A shelf N of a square area is stationary, connected to a U-shaped frame M M' M², whereby the length of the latter will cover about one-third of the length of combined shelf N M M' M². (Shown in Figs. 1 and 4.) As both the shelf N and the frame M M' M² are to be combined in one, it will be advisable to have them constructed out of one piece of

sheet metal, so as to reduce the cost of manufacturing the same. The combined shelf N M M' M² is resting on angle-squares S. The latter already are applied to any ice-box and are serving as supporters for the lower shelf. The side parts M' M² of the U-shaped frame are to be provided with grooves G, which are to be sunk into the frame to about the height of the slats P or less, this to be guided by the thickness of the slats P, which are to be used to cover the U-shaped frame, Figs. 1, 2, and 3. A series of slats P, connected together by means of galvanized-iron chains O, when applied to the grooves G will give a uniform appearance to the combined shelf. Thus the whole surface of inner shelf can be utilized for storing and cooling purposes, Figs. 1, 2, and 3.

In case bottles or other vessels of greater dimensions should be placed in the cold-air chamber of ice-box one or more of the frame-covering slats P can be shifted backward by placing one over the other, whereby the rear part of the shelf can yet be used for storing purposes. The space required for storing purposes can easily be regulated by the number of slats being shifted forward or backward, thus obtaining the space required for storing bottles or vessels of greater dimensions. This combined shelf N M M' M² is to be made in sizes so as to fit the different numbers of boxes being standard on the market. Thus they easily can be adjusted to any ice-box, whether new or already in use, without the slightest mechanical difficulty. To avoid any possible bending of the combined shelf, I apply to the frame M' M² one or two galvanized-iron rods L and locate them on the extreme end of the extending parts, as shown in Figs. 1, 2, 3, and 4.

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

In a shelf for ice-boxes or refrigerators a combination of a shelf N of a square area, and a U-shaped frame M M' M² of which the two extending parts or arms M' M² are to be provided with grooves G, fitted to receive the slats P which latter are connected together by means of chains.

ALBERT EMIL NESSLE.

Witnesses:

ALFRED TSCHINKEL,
LOUIS BERGMANN.