M. MENDEL.

RACK FOR CHEMICALS AND OTHER PURPOSES.

APPLICATION FILED JUNE 6, 1919.

1,367,620. Patented Feb. 8, 1921.

Fig. 1.

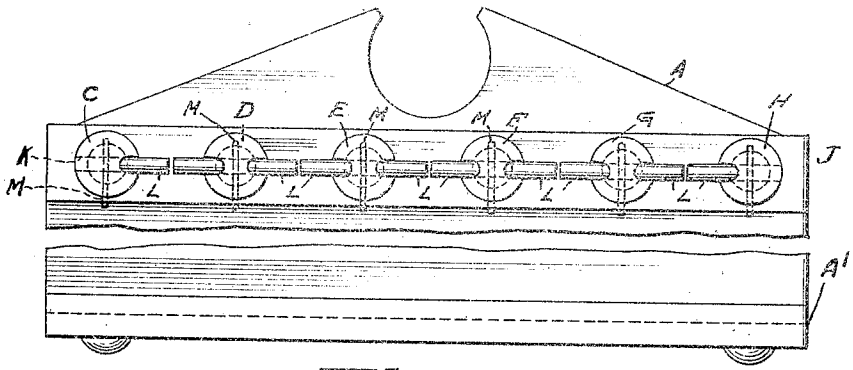


Fig. 2.

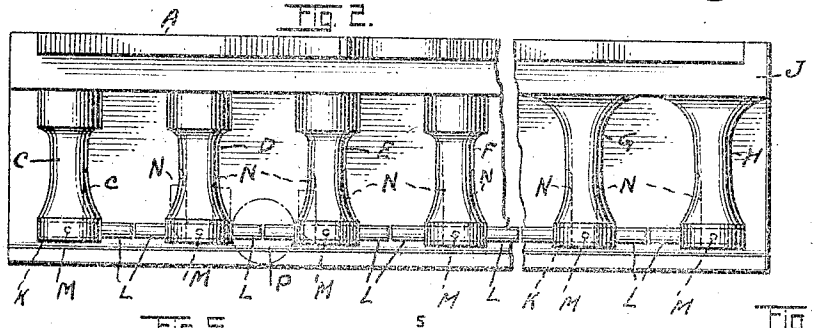


Fig. 5.

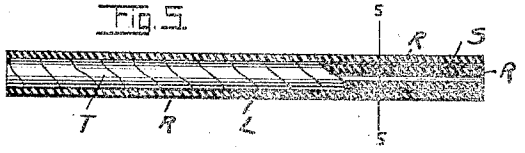


Fig. 6.

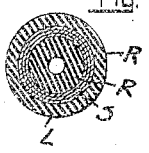


Fig. 3.

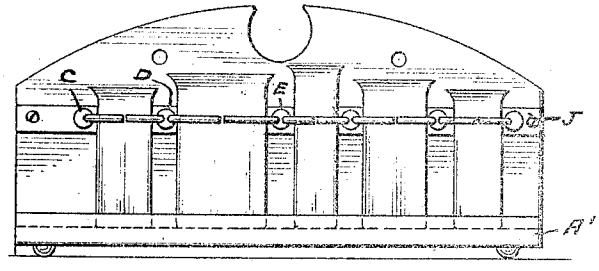
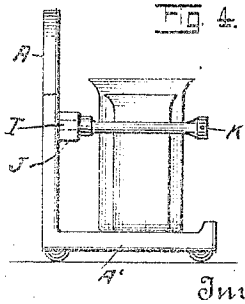


Fig. 4.



Inventor

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By his Attorney

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UNITED STATES PATENT OFFICE.

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RACK FOR CHEMICALS AND OTHER PURPOSES.

1,367,620. Specification of Letters Patent. Patented Feb. 8, 1921.

Application filed June 6, 1919. Serial No. 302,301.

To all whom it may concern:

Be it known that I, MICHAEL MENDEL, citizen of Great Britain, and resident of the city of New York, in the county of Kings and State of New York, have invented certain new and useful Improvements in Racks for Chemicals and other Purposes, of which the following is a specification.

My invention relates to racks for holding test tubes used in laboratories and also, when made on a larger scale, for holding canes or cues, etc.

The object of my invention is to provide a rack that is easy to construct, self-contained, and that is adapted to hold tubes of varying diameters.

Referring to the drawings which form a part of this specification,

Figure 1 is a front elevational view of a rack embodying certain features of my invention;

Fig. 2 is a plan view of the construction illustrated in Fig. 1;

Fig. 3 is a front view of a construction in which the tubes are shown of different diameters;

Fig. 4 is a side view of the construction illustrated in Fig. 3;

Fig. 5 is a longitudinal sectional view of the flexible member; and

Fig. 6 is a cross-sectional view of the flexible member.

A indicates the back-board and A′ the foot-board portions of the device. C—D—E—F—G— etc., are the spacing pins each of which is provided with a shank I, illustrated in dotted lines in Fig. 4, which is glued or otherwise suitably secured in a strip J which extends across the back-board A, at any desired height thereon and which as a whole, is adjustable vertically thereon and held by any suitable means.

Each of the spacing pins is provided near its outer end with a hole K transversely located, illustrated in dotted lines in Fig. 2, in each of which is held a flexible member L which is secured by pins M—M, etc., which extends through the flexible member to prevent shifting. Each of the spacing pins is provided with grooves N—N shown in dotted lines in Fig. 2, which intersect the holes in which the flexible members are held and which serve to receive the ends of the said members when they are bent inward in the act of placing a tube or other article in the rack, as illustrated at P in Fig. 2 by dotted lines. The flexible member is made in circular form in cross section and consists of alternate layers of soft rubber R and thin cloth S vulcanized together, the cloth being wound in spiral convolutions as illustrated at T, thus securing strength and flexibility.

In using the device, the tubes are simply pressed against the ends of the flexible members and any tube that will pass between the ends of the spacing pins can be forced beyond the ends of the flexible members since they bend easily and rest in the grooves N—N until the tube P passes beyond their ends when they spring back into normal position and serve as a barrier to the tube. In removing the tube from the rack, the flexible members bend outward and permit the tube to be removed. Being self-contained, the rack can be readily moved to any position for convenient use.

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

A portable rack comprising a back and a base portion extending at right angles thereto, spacing members mounted on and supported by said back, a flexible member held by each of said spacing members and comprising a rubber envelop inclosing a spirally wound cloth portion, and an inner core of soft rubber.

Signed at New York city, in the county of New York and State of New York this 26th day of April, A. D. 1919.

MICHAEL MENDEL.

Witnesses:
HENRY F. REALANDER,
SHERIDAN S. COLLINS.