

(No Model.)

M. RUDE.
MATTRESS.

No. 540,112.

Patented May 28, 1895.

Fig. 1,

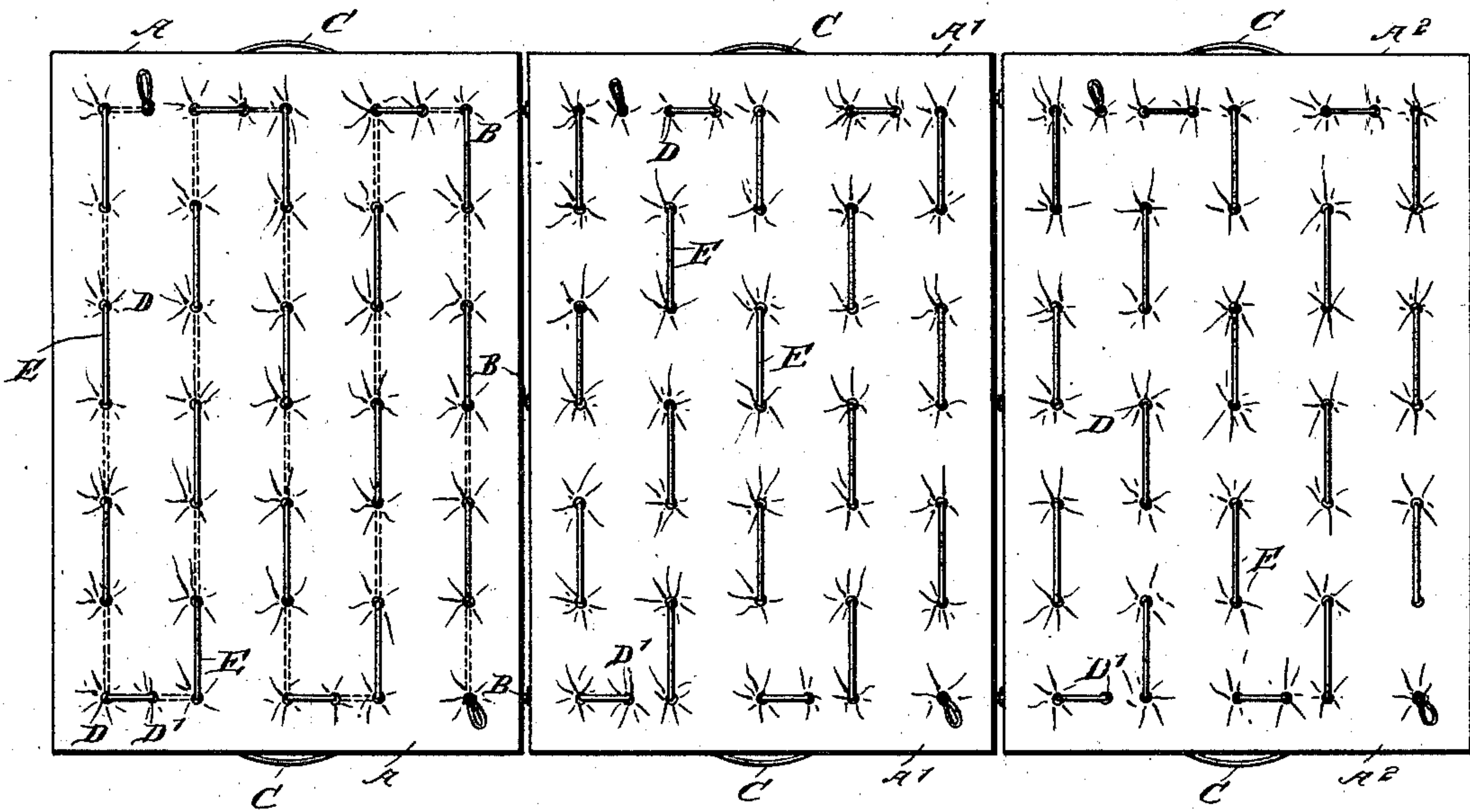


Fig. 2,

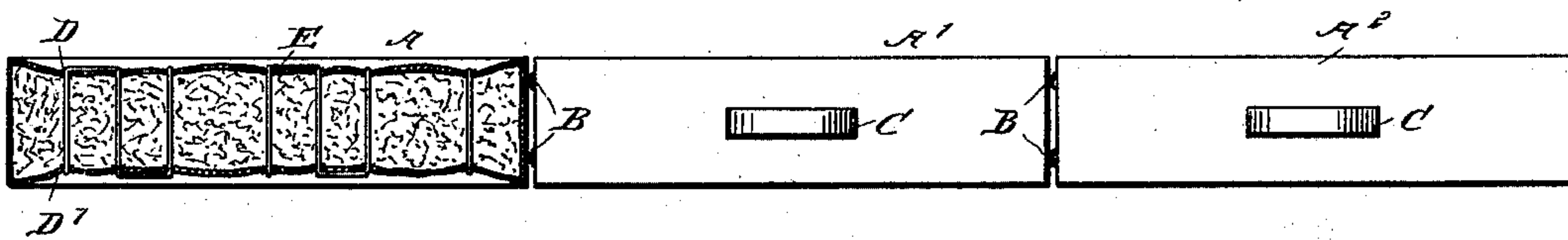
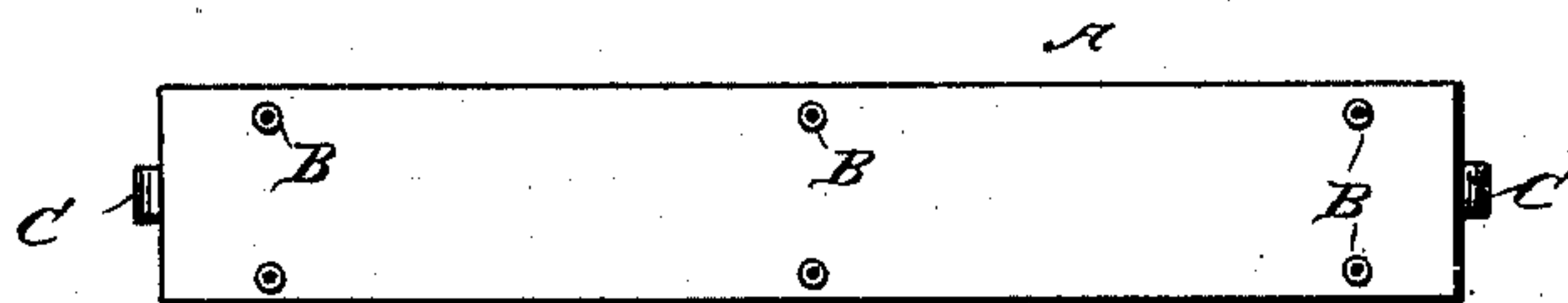


Fig. 3.



WITNESSES:

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MORRIS RUDE, OF NEW YORK, N. Y.

MATTRESS.

SPECIFICATION forming part of Letters Patent No. 540,112, dated May 28, 1895.

Application filed February 27, 1895. Serial No. 539,885. (No model.)

To all whom it may concern:

Be it known that I, MORRIS RUDE, a subject of the Emperor of Austria-Hungary, at present residing in New York city, in the county and State of New York, have invented a new and Improved Mattress, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved mattress, which is comparatively simple and durable in construction, arranged for convenient handling while turning or airing the same, and adapted to be bound loose or tight whenever necessary.

The invention consists principally of a mattress provided with a string alternately engaging part of the top and part of the bottom, the said string being adapted to be drawn to compress the mattress at opposite faces.

The invention also consists in certain parts and details, and combinations of the same, as will be hereinafter fully described and then pointed out in the claims.

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

Figure 1 is a plan view of the improvement. Fig. 2 is a side elevation of the same with one of the mattress-sections in transverse section, and Fig. 3 is an end elevation of one of the mattress-sections.

The improved mattress is preferably made in a series of sections A, A', A², having their adjacent ends connected together by fastening devices B, preferably made in the shape of ordinary glove fasteners, that is, a fastening having a spherical head engaging a spring-pressed receiver. By this means the sections can be readily attached or detached, so that the individual sections can be conveniently handled, and be taken hold of on either side by providing each section with a suitable handle C.

Each of the sections A, A', A² is provided on the top and bottom with registering eyelets D, as plainly illustrated in Fig. 1, and through these registering eyelets is passed a string E, arranged in such a manner that the string is passed first through two registering eyelets, then along part of the bottom of the mattress to the next adjacent eyelet, then

passed through the same in an upward direction to the corresponding registering top eyelet, and then passed along the top of the mattress to the next adjacent eyelet on top and through the same in a downward direction to the corresponding eyelet in the bottom of the mattress. The string is then passed along the bottom of the mattress to the next adjacent eyelet and up through the same, and so on through all the different sets of eyelets in the mattress. Thus it will be seen the string or cord E is formed into several parallel series of loops extending transversely of the mattress, the loops of each series being arranged alternately at top and bottom of the mattress. Between the eyelets D at the corresponding ends of adjacent series extending transversely of the mattress, I arrange auxiliary or supplemental eyelets D', located about midway between the end eyelets D and the cord or string E after having passed up or down, as the case may be, through the corresponding last eyelets D of one transverse series is passed across the bottom or top surface of the mattress to the supplemental eyelets D' adjacent thereto, and is passed down or up through said supplemental eyelets D' to the opposite surface of the mattress and across said surface to the end eyelets D of the next adjacent transverse series. In this manner it will be seen the several transverse series of loops formed at top and bottom of the mattress by the cord or string E, are joined together by two short loops one at the top and the other at the bottom surface of the mattress, and by this arrangement the corresponding aligned loops in adjacent series are caused to lie at opposite surfaces, one being at the top and one at the bottom of the mattress. The loops in the respective transverse series alternate with each other at each surface of the mattress, the end loop of one series being at the top, the end loop of the next series being at the bottom and so on.

When desired, the contents of the mattress may be shifted and rearranged, by drawing on the string or cord E and then releasing said cord, and should the mattress become worn, the cord E may be similarly drawn and knotted at one end so as to compress the contents of the mattress by lessening the lengths of those portions of the cords uniting the ends

of the loops as well as the loops themselves. Moreover, the alternate arrangement of the loops of the several series prevents the mattress when cord E is so drawn and tightened
5 from being formed into longitudinal or transverse ridges and hollows, as would be the case were the corresponding loops of adjacent series similarly located.

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

1. A mattress, having corresponding eyelets in its top and bottom surfaces, said eyelets being arranged in parallel series, and a cord
15 extending through the apertures of the several series, being passed vertically through the corresponding eyelets at top and bottom of the mattress and across the spaces between the adjacent eyelets of each series to form
20 longitudinal series of loops located alternately on opposite surfaces of the mattress, the cor-

responding loops of the several series being located alternately at opposite surfaces of the mattress, substantially as set forth.

2. A mattress, having similarly arranged 25 eyelets in its top and bottom surfaces, said eyelets being arranged in parallel series, said mattress being also provided with similar auxiliary eyelets in its opposite surfaces, said auxiliary eyelets being located between the 30 end eyelets at corresponding ends of adjacent series, and a cord passed through said eyelets to form parallel series of loops alternately at top and bottom of the mattress, the corresponding loops of the several series being al- 35 ternately at top and bottom of the mattress, substantially as set forth.

MORRIS RUDE.

Witnesses:

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