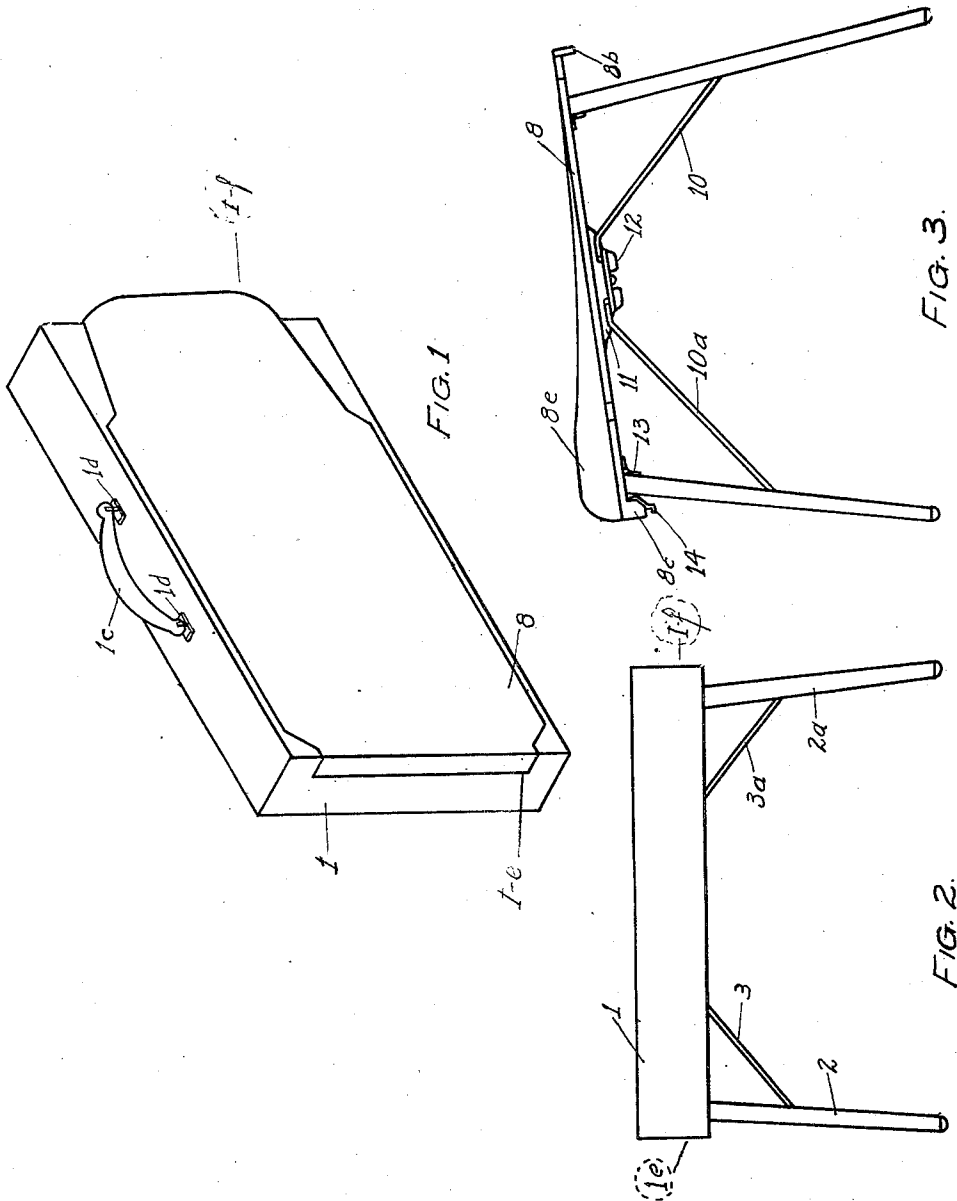


1,380,487.

Patented June 7, 1921.
2 SHEETS—SHEET 1.



CARL T. LINDHOLM
INVENTOR.

PER

Arthur L. Chazene
ATTORNEY.

C. T. LINDHOLM.
CHIROPRACTIC TABLE.
APPLICATION FILED FEB. 19, 1920.

1,380,487.

Patented June 7, 1921.

2 SHEETS—SHEET 2.

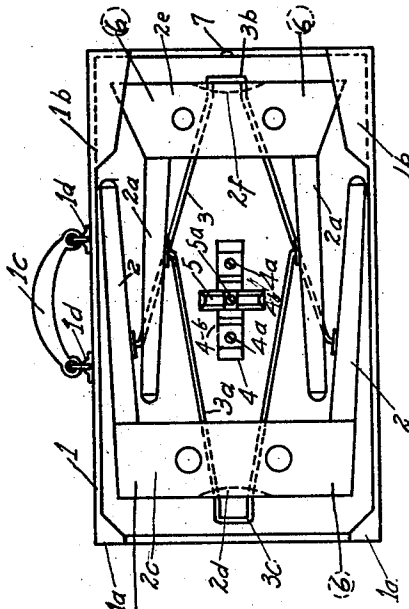


FIG. 5.

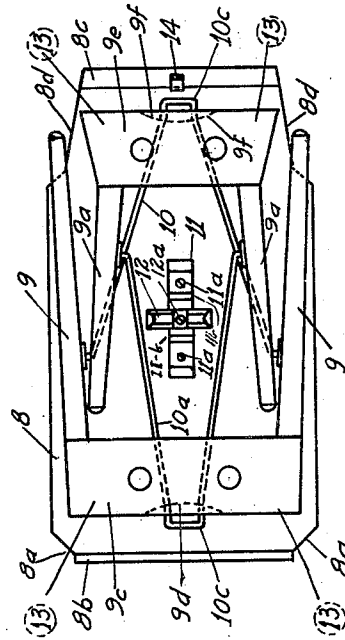


FIG. 7.

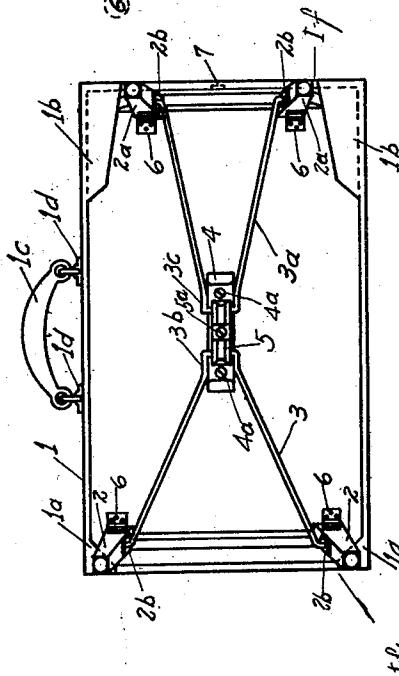


FIG. 4.

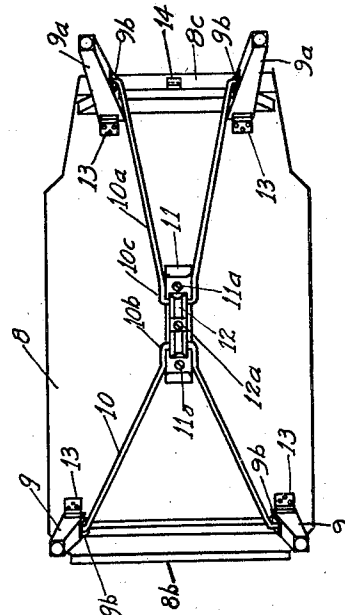


FIG. 6.

CARL T. LINDHOLM.
INVENTOR.

PER

Andrew L. Cheyenne

ATTORNEY.

UNITED STATES PATENT OFFICE.

CARL T. LINDHOLM, OF DAVENPORT, IOWA.

CHIROPRACTIC TABLE.

1,380,487.

Specification of Letters Patent.

Patented June 7, 1921.

Application filed February 19, 1920. Serial No. 359,934.

To all whom it may concern:

Be it known that I, CARL T. LINDHOLM, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented a new and useful Improvement in Chiropractic Tables, of which the following is a specification.

My invention relates to tables consisting of two members, each of which is composed of collapsible parts, capable of being folded, each member when folded fitting into the other in such way as to give the appearance of an ordinary suitcase and the object of my invention is not only to provide a table which may give the appearance of an ordinary suitcase, but be small, light, compact, strong, attractive, suited to the position desired for the human body in adjustment and calculated to protect it from injury in the operation.

I attain these objects by the mechanism illustrated in the accompanying drawings in which—

Figure 1 is a perspective view of the table assembled in folded suitcase form; disclosing the dorsal cushion of the head member.

Fig. 2 is a side elevation showing the suitcase member set up, ready for use.

Fig. 3 is a side elevation showing the head member set up, ready for use; disclosing the dorsal cushion.

Fig. 4 is a bottom plan view of the suitcase member on edge opened and showing its parts unfolded.

Fig. 5 is a bottom plan view of the suitcase member on edge opened and showing its parts folded.

Fig. 6 is a bottom plan view of the head member on edge opened and showing its parts unfolded.

Fig. 7 is a bottom plan view of the head member on edge opened and showing its parts folded.

Similar reference characters refer to similar parts throughout the several views.

By comparison, Figs. 2, 4 and 5 will be understood to comprise a longitudinal section of a suitcase 1 designed to have two pairs of leg members 2 and 2^a, arranged against and within its ends, secured therein by hinges 6.

Leg members 2^a are united by brace board 2^c in their top ends, which brace board 2^c has its ends cut diagonally, presenting a long

and a short side, its long edge being dressed at an obtuse angle, fits flush with the top crosswise of the suitcase member 1, and is secured to the leg member 2^a by ordinary screw means not shown, and is also intended to furnish a flat bearing surface in and across the end of suitcase member 1, a further purpose of brace 2^c being to add stability to the said legs and tables. The said leg member 2^a being attached at either end of brace board 2^c at an obtuse angle permitting them to spread laterally toward their bottom ends and when folded fitting closely within the sides of suitcase member 1, each being secured by screw means, not shown, crosswise of the said brace board 2^c beginning at the angle of the short side of brace board 2^c and fold and unfold in said suitcase member 1 by means of the hinge attachments 6 attached to their ends. The brace board 2^c is provided with the diagonal ends for the double purpose of causing the legs 2^a to be set farther in from the sides of suitcase member 1 and to enable the pair of legs attached thereto when being folded and unfolded, to pass the corner braces 1^b provided upon the adjacent corners of the suitcase member 1.

The pair of leg members 2 are provided at their top ends with a brace board 2^c extending crosswise of suitcase member 1, said brace board 2^c having its ends cut diagonal and its top or short edge being dressed at an obtuse angle fitting flush with the top, crosswise of suitcase member 1, connecting said legs and secured thereon by screw means, not shown, and likewise furnishing a flat bearing surface in and across the end of suitcase member 1, the ends of said brace 2^c being diagonal, enabling said legs 2 to spread laterally and enabling them, secured by hinges 6 at their tops, to fold and unfold in close proximity within and to the sides of the suitcase member 1, and to inclose between them when folded, the legs 2^a, a further purpose of said brace board 2^c being to add strength and stability to the legs and table.

Each pair of legs 2 and 2^a are held in place when unfolded respectively by "V-shaped" metal braces 3 and 3^a each having their wide ends bent angulate to form journals and having their respective apexes bent both block letter style and laterally, their respective angulated journal ends being in-

serted into eye means 2^b provided in the inner surface of legs 2 and 2^a, in such way that when the leg members 2 and 2^a are folded the apexes of the "V-shaped" metal
5 braces move longitudinally from the center of suitcase member 1 and toward the ends thereof.

In the center of suitcase member 1, on its inner side I provide an oblong slat 4, having a pair of cross grooves 4^b therein arranged at either side of its center, the slat 4 secured to the suitcase member 1, by ordinary screw means 4^a, said grooves being
10 made deep with perpendicular sides in order to retain therein the laterally bent ends of braces 3^b and 3^c.

I have also provided over the said oblong slat 4, a rotating hasp or button 5 loosely secured to said suitcase member 1 by means
20 of bolt 5^a, for the purpose of securing the braces 3^b and 3^c within the grooves 4^b when the braces 3 and 3^a by means of legs 2 and 2^a are unfolded.

Suitcase member 1 is in box form, having
25 an open side and is further provided at one of its ends on its open side adjacent to legs 2^a mounted therein, with corner braces 1^b of irregular quadrilateral dimensions conformable to the irregularly formed corners
30 of the corresponding head member shown as Fig. 6; the other end at its open side adjacent to legs 2 mounted therein, being provided with corner braces 1^a of triangular dimensions conformable to the triangularly
35 formed corners of the corresponding head member shown as Fig. 6, each of said corner braces being so formed and placed thereon for the purpose of adding strength to the table and to cause the same to fit suitably
40 the form of the head member 8.

The end of suitcase member 1, adjacent to brace 2^c is centrally provided with an inside lateral groove 7, of oblong dimensions corresponding to the protruding tongue 14
45 of head member 8. The opposite end of said suitcase member 1 is provided with any ordinary fastening means, not shown, for engaging the corresponding fastening means provided in the corresponding end of the
50 head member 8, thus with the tongue device 14 inserted in groove 7, to secure the said suitcase member 1 and head member 8 unto each other when said machine is folded together, as shown in Fig. 1.

The suitcase member 1 is further provided upon one of its sides with ordinary suitcase handle means 1^c secured to the same by ring and hasp 1^d for the purpose of carrying the table when folded together, as shown in
60 Fig. 1.

In the respective ends of the said suitcase member 1 are provided oblong notches 1^e and 1^f, the notch 1^e being slightly longer than the notch 1^f, for the purpose of admitting the corresponding ends 8^b and 8^c of the
65

head member 8, when the members 1 and 8 are folded and attached together, completing the suitcase form shown as Fig. 1.

The head member 8 is provided in either end with pairs of legs 9 and 9^a, each pair laterally spreading, and similar to legs 2 and 2^a of suitcase member 1, each pair of which are similarly connected with braces 9^c and 9^e as legs 2 and 2^a are to braces 2^c and 2^e, which braces 9^c and 9^e are respectively
75 of similar construction to the braces 2^c and 2^e of suitcase member 1, each pair being attached to such head member 8 by hinge means 13, as shown in Fig. 6, and so rendered capable of being folded and inclosed
80 as legs 2 and 2^a, with reference to each other and also within said suitcase member 1.

Each brace 9^c and 9^e, 2^c and 2^e is also centrally provided with notches 9^d and 9^f, 2^d and 2^f on their top edges for the purpose
85 of admitting the bent apexes 10^c of the leg brace 10 and 10^a and 3^b and 3^c of leg braces 3 and 3^a when the legs are folded, the pairs 9 and 2 folding outside and clear of the pair
90 9^a and 2^a when the suitcase is folded as shown in Fig. 1, the pairs 9 and 2 resting upon each other and the pairs 9^a and 2^a resting upon each other.

Legs 9 and 9^a of head member 8 are respectively provided with "V-shaped" metal
95 braces 10 and 10^a of similar construction and serving similar purposes to the "V-shaped" metal braces 3 and 3^a of suitcase member 1, for the like purpose of holding the legs in
100 position when the head member 8 is set up and in use, which "V-shaped" metal brace is attached to said legs 9 and 9^a at a similar place and by eyelets 9^b at their journaled ends and when the legs 9 and 9^a are unfolded, the block letter formed laterally bent
105 apexes 10^b and 10^c of said braces 10 and 10^a are secured in grooves 11^b of the oblong slat 11. The said oblong slat 11 being secured to said head member 8 by screw or
110 other means 11^a, and when said brace ends 10^c are inserted in said grooves 11^b, the same are held therein by means of oblong rotatable turn button 12 which is centrally loosely secured upon said slat 11, by bolt or other
115 means 12^a; the construction, operation and purpose of said parts being similar to said parts 4 and 5 of suitcase member 1.

It will be observed that head member 8 is slightly narrower than suitcase member 1,
120 and made to fit within its sides, and has its respective corners 8^a and 8^d cut away; and so formed for the purpose of conforming to the human shape and to facilitate its adaptation to use by the operator, one of the
125 ends called the blunt end having its corners cut away in triangular form 8^a so that slat 8^b attached crosswise of the blunt end of head member 8 and triangular corners 8^a may fit snugly within the corresponding re-
130

cess left in the end of suit case member 1, designated by 1^a between triangular corners 1^a; the slat 8^b being for the purpose of adding strength and stability to head member 8.

5 The opposite pointed end of head member 8 is also provided with a slat 8^c fitted crosswise of said end suited to fit in the recess 1^f provided in the pointed end of suit case member 1, between the corresponding irregular quadrilateral corner braces 1^b; the use and purpose of slat 8^c being similar to that of slat 8^b at the blunt end, as stated. The corners 8^d of head member 8 so cut away, are of irregular quadrilateral dimensions and so made to cause the same to fit connectedly with slat 8^c also attached to the pointed end of head member 8, in recess 1^f, snugly within the space between the corresponding irregular quadrilateral dimensioned corner braces 1^b of suit case member 1. Oblong slat 8^e of said head member is also provided with a fastening device consisting of an angulated tongue 14 secured to said oblong slat 8^e by screw means not shown, for the purpose of being fitted engagingly into the groove 7, inwardly provided in the end of suitcase member 1, when it is desired to fold and close the suitcase as shown in Fig. 1; said head member 8 and suitcase member 1, each being also outwardly provided at their opposite ends with ordinary latch members correspondingly attached, but not shown, for securing the one to the other when the said table is folded and put together as shown in Fig. 1.

It will be observed that when the parts designated as suitcase member 1 and head member 8 are fitted and engagingly attached to each other with their various attachments and working parts folded down, and pressed together, the curve of the spring braces 3 and 3^a and 10 and 10^a in connection with the legs unto which they are attached, pressing upon each other, form a cushion spring, preventing noise of the parts in handling and transportation.

It is further observed that in the formation of the head member 8 its sides are differently constructed in that, one of its sides has the leg attachments 9 and 9^a, while the opposite side is constructed so as to form what is known as a dorsal cushion 8^e and is constructed by the top having its surface padded with padding increasing in thickness and rounded toward the end slat 8^c and in such manner as to conform to the breast bone and tapering waist line of a human being when reclining face downward thereon, thus forming a dorsal cushion 8^e for the purpose of protecting the sternum, breast and vital organs of a human body from jar and bruising when receiving a chiropractic adjustment, and to enable the operative chiropractic and osteopathic path to trace the nerves and massage the

muscles over the front region of the body without interference from the table and to prevent bruising the body while the body remains in proper position for such treatment; and to further facilitate this result, the legs 9 of head member 8 attached farthest from the thickest end of said padding are made suitably longer than legs 9^a of the same member to elevate their end of the member 8 above its opposite end and legs 9^a are caused to slant considerably outward toward table 1, which construction of legs 9 and 9^a is for the further purpose of preventing the table 8 at the time of a chiropractic thrust from upsetting, slipping in any direction, tilting, jarring and to brace; the braces 10 and 10^a attached thereto respectively being likewise also made of suitable length to facilitate these results, that of the broad end 10 being made the longer.

In construction legs 9^a with brace 10 of head member 8, and legs 2^a and brace 3^a of suitcase member 1 are of equal length and corresponding slant, making the corresponding ends of members 1 and 8 of equal height, while legs 2 and brace 3 of suitcase member 1 are suitably longer, but so attached to the suitcase member 1 as to their greater slant and the angulating of the edge of brace 2^c, to allow and cause the suitcase member 1 to set level in every direction when its legs are unfolded and it is set up, the purpose being by the slant of the legs of members 1 and 8, to prevent any slipping or moving of the members 1 and 8, in operation.

I claim:

1. A chiropractic table consisting of a suitcase member, and head member, said suitcase member having outwardly disposed suitcase handle means, corner braces fitted to the corners of said suitcase member but conformable to the corner lines of said head member, two pairs of folding legs inwardly attached, one pair of said legs being longer than the other, said legs being laterally disposed in such manner as to make said suitcase member set level, said legs being hinged at their upper ends to said suitcase member and connectedly attached by brace means, other brace means disposed centrally between said suitcase member and said legs in such manner as to hold one pair of said legs perpendicularly to said top and the other pair of said legs in slanting position to said top, and to permit folding of same as desired; said head member having two pairs of folding legs, said pairs being of unequal length, laterally disposed, secured to said member of hinge means at their top, connectedly attached by brace means supported by other brace means connectedly disposed centrally arranged between such member and said pairs capable of being secured in

such manner to said member as to hold said legs relatively in slanting but fixed position or permit the folding of the same as desired; means for securing the said centrally arranged braces rigidly to said head member, padded upholstering means outwardly disposed in part as a roll suitably arranged upon one of said members to facilitate its usefulness, as a head member, means disposed at the sides and ends of said members to facilitate the fitting of one to the other, fastening means for securing the members together, the whole so arranged as to combine in forming a table adapted for use in giving chiropractic adjustments, and for the purposes specified.

2. A chiropractic table having a head member capable of conformable attachment engagingly within the end, side and corner portions of a suitcase member, each member having at either end a pair of legs supported by brace means, transversely secured thereto by hinge means in such manner as to fold flatly, inwardly, disengagingly disposed to each other, in such manner that when one member is attached engagingly within the other, their respective leg and brace attachments conformably repose upon each other forming spring means; means provided on said members for securing them together when engagingly attached, handle means attached to one of said members for carrying the same when the parts are engagingly attached.

3. In a chiropractic table having a collapsible head member and suitcase member; said head member provided on its bottom side, at one end, with a pair of legs connectedly attached by hinge means to said member, said legs connectedly supported by suitable movable brace means secured between said legs and said member; also provided at its other end on the same side, with a pair of longer legs connectedly attached by hinge means to said member, said legs connectedly supported by suitable movable brace means between said legs and said member the two pairs of legs and their movable brace means so disposed that when said pairs of legs are folded upon each other and placed within the attachable suitcase member, the head member clamped thereon, they form a spring, the head member forming a table having an elevated end, its lower end having thereon a dorsal roll, the whole suited for use in connection with another collapsible member, called a suitcase member, the whole forming a chiropractic table, for the purposes specified.

4. A chiropractic table having a collapsible head member composed of a board of irregular shaped ends conforming to an open side of a suitcase member, also having a top

and bottom side, its bottom side having secured thereto, two pairs of leg means for supporting the same, one pair of which legs is longer than the other; its top side having cushion means secured thereto, one end of which cushion means, is formed into a pad roll extending to a blunt point of increasing thickness toward one of its ends; all for use in connection with another collapsible member called a suitcase member, the whole forming a chiropractic table, for the purposes specified.

5. In a chiropractic table having a suitcase member and a head member, each member supported by two pairs of legs secured thereto by hinge means, a "V-shaped" metal leg brace disposed between each pair of legs, conjunctively operating between said legs and said member in such manner as to insure rigidity between said legs and said member when said legs are unfolded, said brace having right-angular bent journals at its diverging points, and a square letter apex laterally bent convergingly from said member, and the said brace being so laterally bent that when the corresponding braces and legs of that and the other member are folded thereon, and the other member securedly clamped thereto, they unite in forming a spring.

6. In a chiropractic table consisting of a suitcase member and a head member each member having two pairs of inwardly attached transversely arranged laterally disposed legs secured thereto by hinge means at their tops, said legs connectedly attached in pairs at their tops by brace means, said brace having diagonal ends, a long and a short side, the long side formed to present an obtuse angle, a notch centrally disposed in the long side, conformable to the laterally bent outwardly disposed apex of a block letter "V-shaped" styled other brace.

7. In a chiropractic table consisting of a suitcase member and a head member, each member having two pairs of inwardly attached transversely arranged laterally disposed legs of varying lengths secured thereto by hinge means at their tops in such manner that the levels of said tables may be varied thereby, said legs connectedly attached in pairs at their tops by brace means, the brace having diagonal ends, a long and a short side, the short side formed to present an obtuse angle, a notch centrally disposed in the short side conformable to the laterally bent, outwardly disposed apex of a block letter "V-shaped" styled other brace.

CARL T. LINDHOLM.

Witnesses:

BENJAMIN S. BELL,
SAM GANAKET.