

C. DROHOVITH.
TENT CONSTRUCTION.
APPLICATION FILED JUNE 21, 1918.

Patented Feb. 25, 1919.
3 SHEETS—SHEET 1.

1,295,713.

Fig. 1.

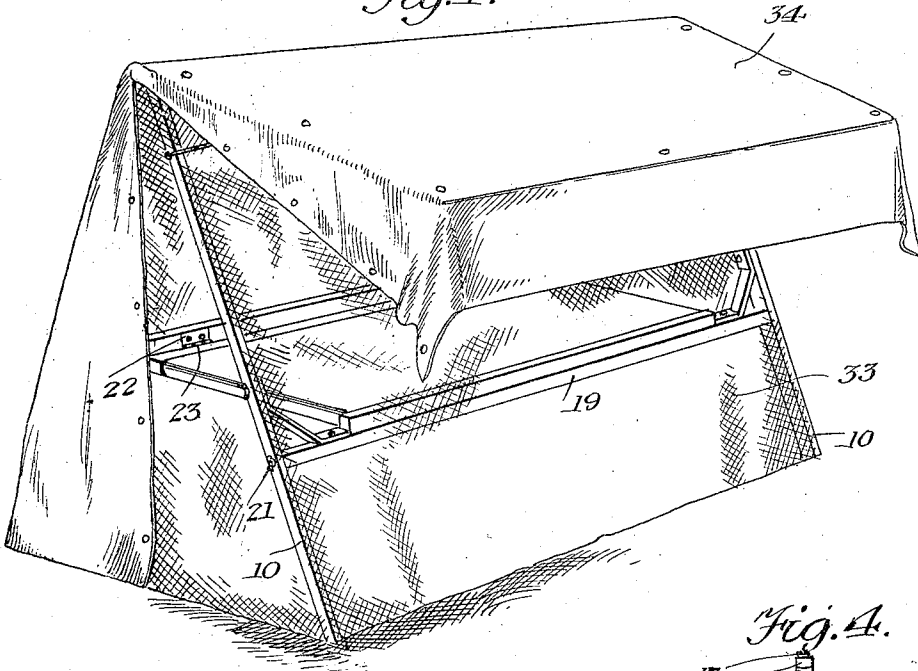


Fig. 2.

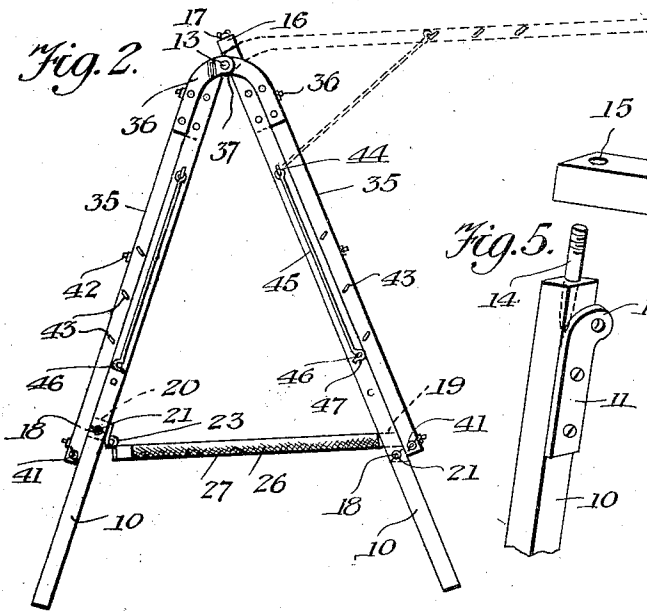


Fig. 5.

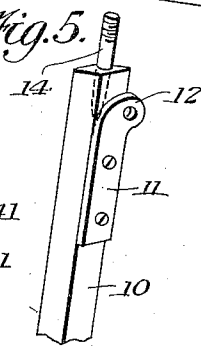
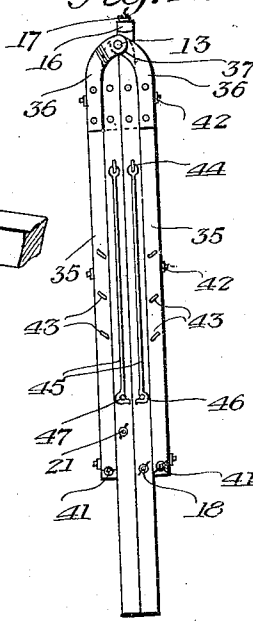


Fig. 4.



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Fig. 3.

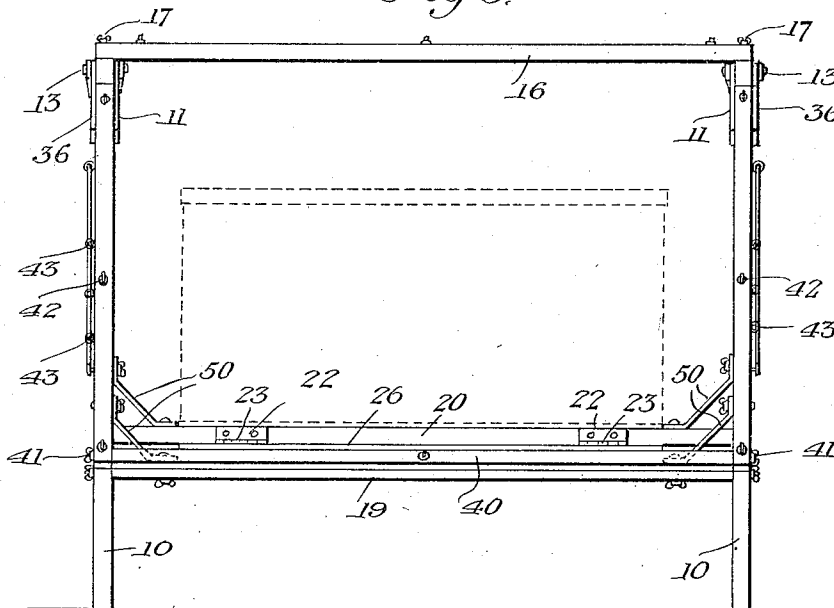


Fig. 8.

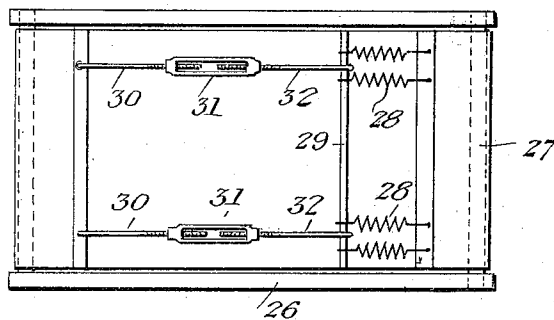


Fig. 7.

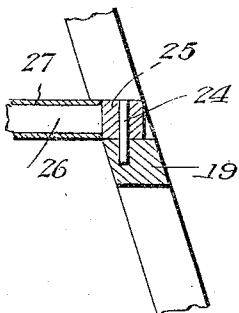
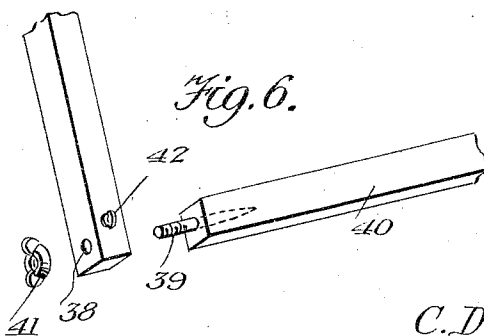


Fig. 6.



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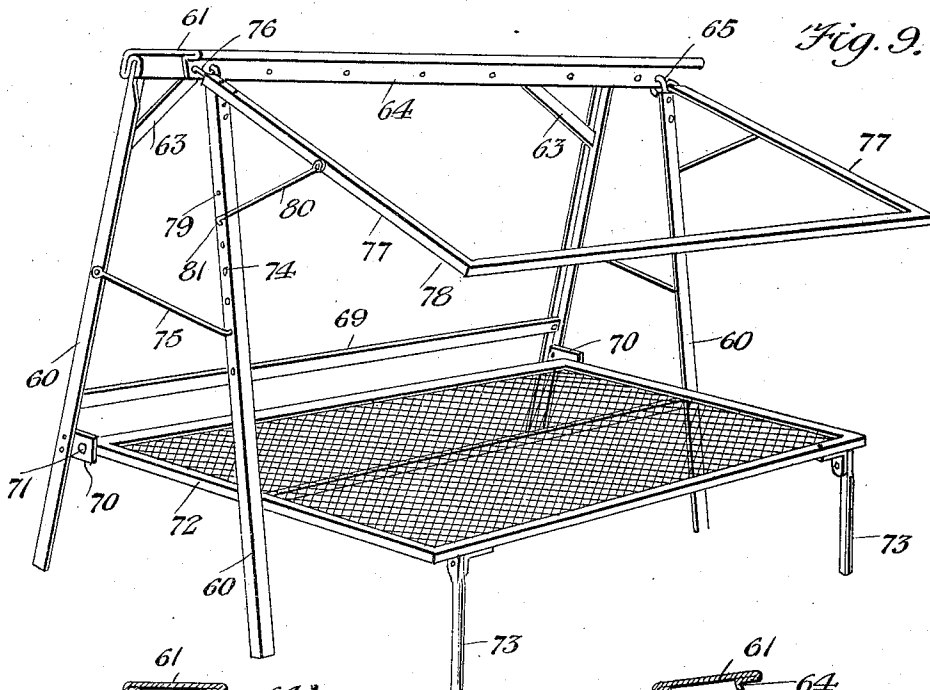
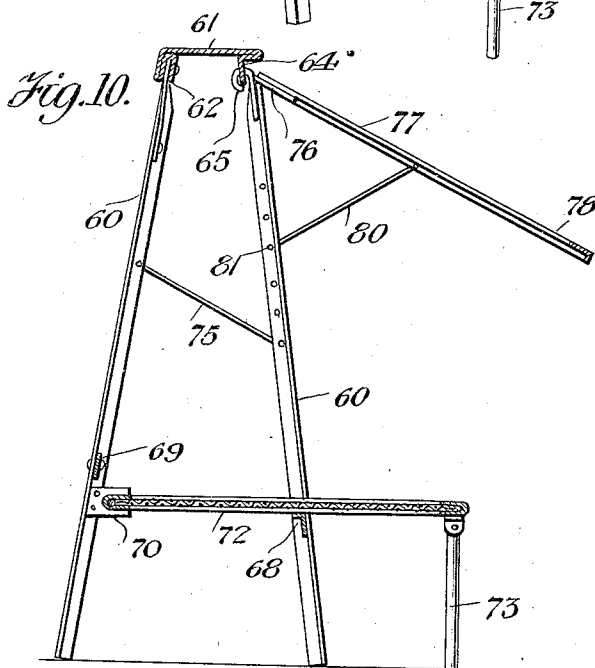
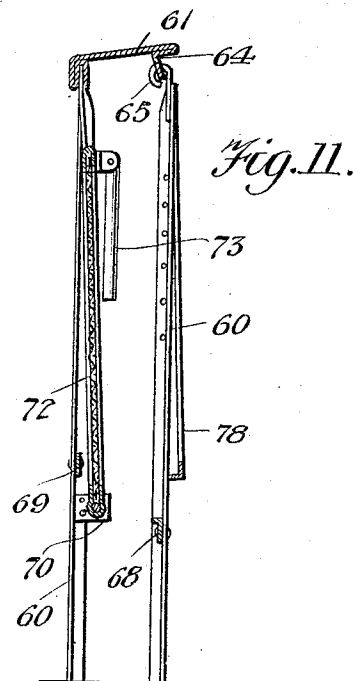
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3 SHEETS—SHEET 3.



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UNITED STATES PATENT OFFICE.

CLEMENS DROHOVITH, OF BALTIMORE, MARYLAND.

TENT CONSTRUCTION.

1,295,713.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CLEMENS DROHOVITH, a citizen of the United States, residing at Baltimore and State of Maryland, have invented new and useful Improvements in Tent Constructions, of which the following is a specification.

This invention relates to a tent construction.

10 In carrying out my invention I propose to produce a tent construction wherein the elements comprising the same are removable or detachable so that the device may be readily folded into a small compact bundle
15 for storage or shipment.

I also propose to produce a tent construction comprising separable parts which may be easily and quickly associated so that the device may be readily set up as a tent. The
20 device is provided with a detachable bed bottom and with hinged means for supporting a fabric covering which will fully protect the user of the bed. Either side of the said fabric covering may be elevated with
25 respect to the side of the tent structure proper, so that suitable ventilating and shading means is thus afforded the occupant of the tent. In addition to this, the tent proper may be and preferably is provided
30 with a netting so that the occupant thereof will be protected from insects, while the non-reticulated outer covering may be retained in an open condition to protect the occupant of the bed from the sun's rays or
35 from other lights without interfering with the proper ventilation of the tent.

It is a still further object of the invention to produce a tent construction wherein the device may be employed as a selling
40 booth, if desired, and the contents of the booth fully protected from insects and weather conditions.

The foregoing objects, and others which will appear as the nature of the invention is better understood, may be accomplished
45 by a construction, combination and operative arrangement of parts such as illustrated by the accompanying drawings.

In the drawings:

50 Figure 1 is a perspective view of the improvement;

Fig. 2 is an end view of the same, the fabric outer covering and the reticulated inner facing being removed;

Fig. 3 is a side elevation of the same; 55

Fig. 4 is an end elevation showing the parts folded;

Fig. 5 is a detail perspective view illustrating the manner in which one of the leg members may be removably associated with
60 the top member;

Fig. 6 is a perspective view showing the manner in which one of the side rails may be removably connected with one of the leg
65 members;

Fig. 7 is a detail sectional view illustrating the manner in which the free end of the bottom member is connected with one of the side members;

Fig. 8 is an inverted plan view of the bottom member; 70

Fig. 9 is a perspective view illustrating a slight modification;

Fig. 10 is an approximately central transverse sectional view through the same; and 75

Fig. 11 is a similar sectional view showing the parts in their folded condition.

The ends of my improved construction each comprise a pair of leg members 10—10 having, at their upper ends metallic plates 80 11 formed with lateral projections providing eyes 12. The eyes are designed to be brought against each other and to receive therethrough a removable pintle 13 whereby the legs are pivotally secured together. 85

One of the legs 10 of each of the ends has, upon its upper end an outwardly extending threaded member in the nature of a bolt 14, the said bolts being designed to pass through openings 15 adjacent to the ends of the top connecting member for the ends, the latter being indicated by the numeral 16. The bolts are engaged by wing nuts 17 which bind against the top piece 16. 90

The legs 10 are provided with additional openings through which pass bolts 18 formed on the ends of the strips 19 and 20 which provide the side braces for the ends. The bolts 18 project a suitable distance between the openings in the legs and have secured
100 thereon wing nuts 21 which bind against the legs 10. By reference to Figs. 2 and 3 of the drawings it will be seen that the strip 20, connecting two of the legs is arranged a slight distance above the strip 19 connecting the remaining pair of legs. On the inner face of the strip 20, at suitable spaced intervals are secured hinge sections 22, the 105

knuckles 23 whereof being arranged on the lower edges of the said hinge sections or members. The strip 19, upon its upper face is provided with sockets designed to receive 5 pins 24 depending from one of the side members 25 of the shelf or bottom 26. The opposite side member of the said shelf or bottom is provided with hinge sections or members, the knuckles of which being designed to be received between the knuckles 10 23 of the hinge sections 22, and a removable pintle passing through the alining knuckles whereby the part 26 is hingedly and removably connected to the device. The pins 15 24, engaging in the sockets permit of the sections 26 holding the legs 10 in their spread condition and the device in its set up position. By arranging the strip 20 above the strip 19 the bottom or shelf 26 is retained in a horizontal position with respect to the device.

The section 26 being primarily in the nature of a bed bottom, is, as disclosed in the drawings, constructed in the nature of a 25 rectangular frame having arranged over the ends thereof a fabric sheet 27. To one of the ends of the sheet is secured springs 28 connected with a rod 29. To the other end of the sheet is secured rods 30 having their outer ends threaded and engaged by turn 30 buckles 31 which turn buckles also engage with rods 32 connected to the rod 29. The rods 32, of course, have their ends threaded at an opposite pitch to the rods 30. The 35 turn buckles permit of the adjustment of the sheet, as will be readily understood.

The device as above described may and preferably has arranged therearound a facing of netting which is illustrated in Fig. 1 40 of the drawings and which is designated by the numeral 33.

A protective casing is provided for the device, the same being in the nature of a sheet of canvas, the same being arranged 45 over a suitable frame and supported thereby.

The canvas protector is indicated by the numeral 34. The frame for the canvas 34 includes side members or arms 35—35, one pair being arranged on each of the ends 50 of the construction. The arms, at their upper ends have secured thereto metallic plates 36 provided with inturned ends 37 which lap each other and through these ears the pivots 13 pass. The pivot 13 is to be understood to be removable so that the arms 55 35 may be disconnected from the frame proper if desired and also the legs 10 comprising the ends may be separated from each other, when desired. The arms 35 have their outer ends provided with openings 38 60 to receive therethrough bolts 39 provided upon spacing and brace members 40 for the respective pairs of arms. The bolts 39 are engaged by wing nuts 41. The arms 35, 65 upon their outer faces are provided with

turn buttons 42, as are also the outer faces of the strips 40. These turn buttons are designed to pass through suitable eyelets in the protector 34. The ends of the protector are arranged at the ends of the frame 70 and are provided with suitable means, such as turn buttons and eyelets therefor, whereby the said ends may be secured.

The arms 35, have their outer sides provided with spaced eyes 43, while on the legs 75 10 are loosely connected, as at 44, comparatively long rods 45 which have their ends hook-shaped as at 46, and the hook ends of the said rods are designed to be received in certain of the eyes 43, whereby the frame 80 for the protector 34 may be retained at a desired inclination with respect to the frame proper. When the hook rods 45 are not arranged to support the side members of the protector frame, the hooked ends thereof are 85 preferably received in turn eyes 47 on the outer sides of the legs 10.

While the device is primarily adapted for sleeping purposes, it will be apparent that the same may be employed as a booth or 90 store for traveling merchants, it being merely necessary to remove the netting 33 to permit of the merchant arranging his goods on the bottom or shelf 26 and fully displaying the same by raising one or both of the 95 side members of the protector 34.

If desired, and as illustrated by the drawings the strips or connecting members 19 and 20 may have their upper faces, and their ends, provided with inclined brackets 50 100 which have straight ends, and the outer ends may contact with the inner faces of the legs 10 and be removably connected to said legs in any preferred manner, such for instance as bolts passing through the legs and the 105 straight ends of the brackets and wing nuts engaging said bolts.

The frame of the device heretofore described, except for the parts particularly mentioned as metal are constructed of wood, 110 but in Figs. 9 to 11 of the drawings I have illustrated a slight modification which is preferably wholly constructed of metal.

The frame, in the referred to figures, comprises end members in the nature of legs 60 115 which are connected to the top member 61. The top member comprises a plate having one of its edges formed with spaced downwardly extending flanges 62, between which the legs 60, at what I will term the rear of 120 the construction, are secured, and these rear legs 60 are preferably provided with angle brace plates 63 which are likewise secured between the flanges 62. The top 61, adjacent to the outer end thereof is provided 125 with an additional downturned flange 64, and to these flanges the outer legs 60 are pivotally secured. The pivotal connection between the outer legs 60 and the flange 64 is preferably in the nature of hooks 65, secured 130

on the upper ends of the said outer legs, the said hooks passing through suitable openings in the flange 64.

The front and rear legs are connected by suitable brace strips 68 and 69 respectively. The rear brace strip 69 is arranged a suitable distance above the front brace strip 68, and the rear legs 60, below the members 69 are provided with outwardly extending ears 70. Pivotally secured between these ears, as at 71 is a shelf or bottom 72, which in this instance preferably includes a substantially rectangular metallic frame to which is attached a reticulated covering, preferably in the nature of oppositely disposed angularly arranged series of wires. The frame providing the shelf or bottom 72 is of a size to snugly fold against the rear brace strip 69 and the angle brace members between the rear legs and the top of the construction.

The member 72, upon its outer edge is provided with hinged legs 73 that are designed to drop by gravity to a vertical position when the shelf is swung to horizontal position over the brace member 69 for the outer or front legs 60.

The front legs are provided with a plurality of spaced apertures 74. The rear legs each have loosely secured thereon a hook member 75. The beak of this member is adapted to be received in any of the apertures 74, whereby to retain the front legs at a desired angle with respect to the rear legs.

The outer flange 64 of the top 61, adjacent the ends thereof is provided with apertures designed to receive hook members 76 on the end members 77 of an auxiliary frame 78. The front legs are provided with a series of apertures 79. The side members of the auxiliary frame have loosely secured thereon rods 80 provided with hook-shaped ends 81, and the said hook ends are designed to be received in certain of the apertures 79, whereby the auxiliary frame is retained at a desired angle with respect to the main frame.

The elements comprising the main frame may be provided with suitable apertures or other means whereby a netting may be secured thereon, and the auxiliary frame may be likewise provided with means whereby a protective fabric may be arranged thereover. It is, of course, to be understood that in lieu of only one auxiliary frame, the device may be provided with two, one upon each of the sides of the main frame.

It is believed, from the foregoing description, when taken in connection with the drawings the simplicity of the construction and the advantages thereof will be apparent to those skilled in the art to which such inventions appertain without further detailed description, it being merely necessary

to add that the nature of the invention renders the same susceptible to various modifications, and therefore I am entitled not only to the construction shown but to all such changes therefrom as fall within what I claim.

Having thus described the invention, what is claimed as new, is:—

1. In a device for the purpose set forth, a frame including ends comprising pivotally connected pairs of legs, connecting strips for the legs, a bottom hingedly and removably connected to one of said strips and supported on the second strip, auxiliary frames comprising detachable members pivotally secured to the main frame at the top thereof, a fabric covering for the auxiliary frame, means carried by said auxiliary frames for removably securing the fabric thereto, means for connecting the ends of the fabric, said auxiliary frame having spaced eyes, rods loosely connected to the ends of the main frame having hooked ends to engage with said eyes, and means for retaining said rods on the ends of said main frame when the latter are out of engagement with the eyes of the auxiliary frame.

2. In a device for the purpose set forth, a frame including ends comprising legs, plates on the upper ends of said legs having eyes, pivot members passing through said eyes, a threaded extension on the upper end of one of each pair of legs, a top member engaged by said extensions, nuts engaging said extension and clamping the top member thereon, auxiliary frames having offset upper ends providing eyes and receiving the pivot members connecting the legs, means for retaining said auxiliary frame at an angle with respect to the main frame, means for locking the said auxiliary frame to the main frame, spaced connecting members between the inner and outer legs of the main frame, one arranged below the other, a bottom hingedly secured to the upper connecting member and resting on the lower connecting member for the legs, and co-engaging means between said bottom and the last mentioned connecting member for the legs for locking the bottom thereto.

3. In a device for the purpose set forth, a frame including ends comprising spaced pairs of legs, plates on the upper ends of said legs having offset portions providing eyes, a pivot passing through each pair of eyes, one of said legs having its upper end provided with a threaded extension, a top bar having openings receiving said extensions, nuts on said extensions securing said top thereto, connecting members between the respective pairs of legs one disposed above the other, a bottom hingedly secured to the upper connecting member and resting on the lower connecting member, sockets on the lower strip, pins on the bottom received in

said sockets, auxiliary frames on the sides of the main frame including end members having offset ends provided with eyes registering with the eyes of the legs of the main frame and receiving the pivots connecting said eyes, a fabric casing for the auxiliary frame, means carried by said auxiliary frame for removably securing said casing

thereto, and means between the main frame and the sections of the auxiliary frame for retaining the latter at angles with respect to the former, and means for locking said auxiliary frames to the main frame.

In testimony whereof I affix my signature.

CLEMENS DROHOVITH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."