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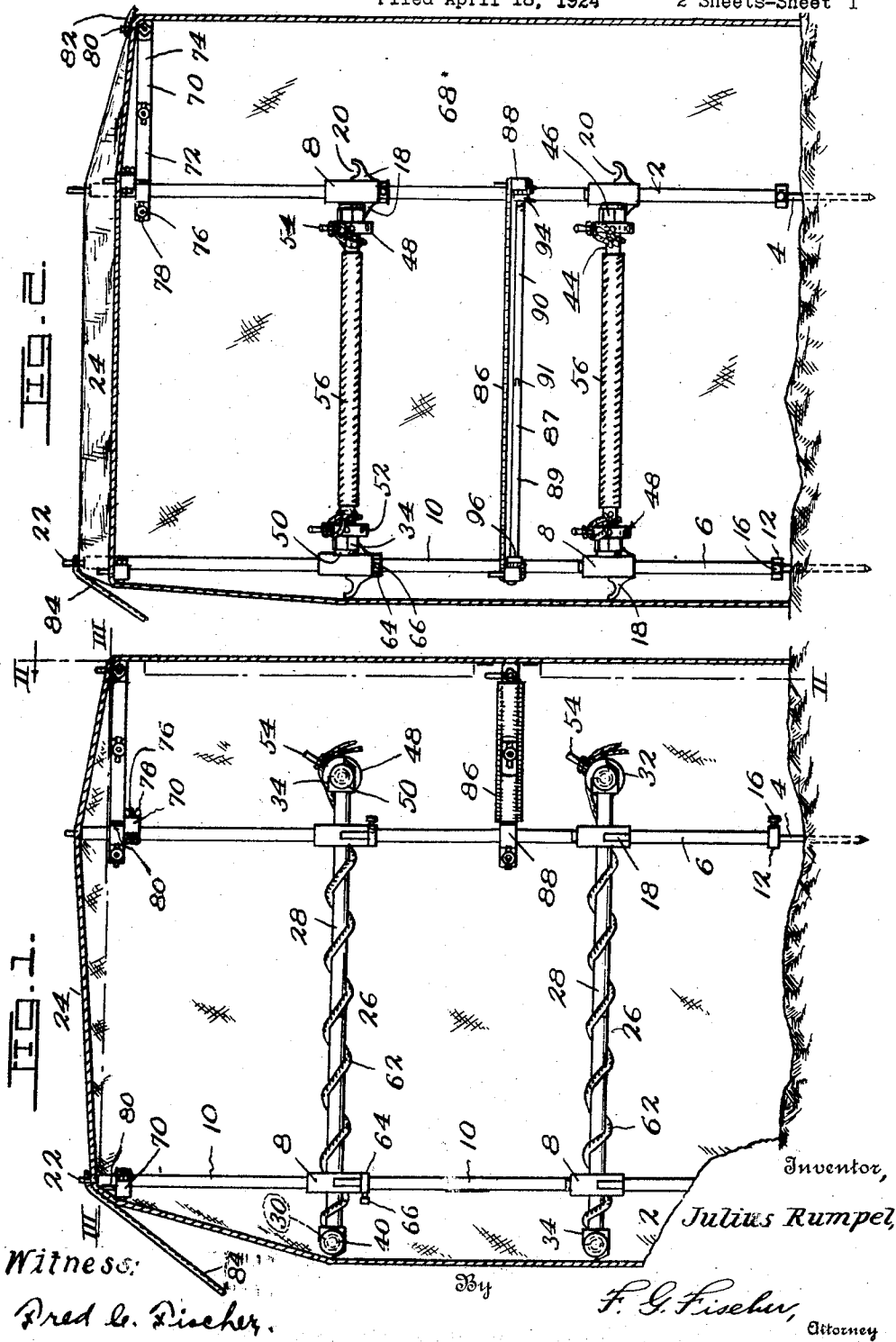
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COMBINED TENT AND BED

Filed April 18, 1924

2 Sheets-Sheet 1



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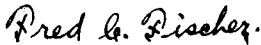
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2 Sheets-Sheet 2



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COMBINED TENT AND BED.

Application filed April 18, 1924. Serial No. 707,417.

To all whom it may concern:

Be it known that I, JULIUS RUMPEL, a citizen of the United States, residing at Weston, in the county of Platte and State of Missouri, have invented certain new and useful Improvements in Combined Tents and Beds, of which the following is a specification.

My invention relates to tourists' beds and tents and one object is to provide paraphernalia of this character which may be quickly set up for use, or taken down and packed into small compass for transportation or storage.

A further object is to provide a bed embodying units, any number of which can be combined to accommodate as many persons as desired either by superimposing certain of said units, or arranging them side by side, or both.

A further object is to provide a bed with legs which can be readily shortened or lengthened to accommodate uneven ground when the bed is used out doors.

A further object is to provide extension means whereby space between the bed and the tent can be had for a dressing room.

Other objects will hereinafter appear, and in order that the invention may be fully understood reference will now be had to the accompanying drawing, in which:

Fig. 1 is a broken side elevation of the bed with the tent in section.

Fig. 2 is a vertical section on line II—II of Fig. 1.

Fig. 3 is a horizontal section on line III—III of Fig. 1, with the tent and some other parts removed.

Fig. 4 is a detail perspective of a mattress frame forming an important feature of the invention.

Fig. 5 is an enlarged broken vertical section of one of the supports for the bed and the tent.

Fig. 6 is an enlarged broken detail partly in section of a windlass constituting a portion of the mattress frame.

Fig. 7 is a detail perspective view of one of the side rails of the mattress frame.

Fig. 8 is a detail plan view of a tension-

ing device employed in carrying out the invention.

Fig. 9 is a detail perspective view of a foot, four of which are provided for the bed when the same is used indoors.

In carrying out the invention, I employ four main supports 2 for supporting the bed and the tent, one of said supports being used near each corner, as shown by Figs. 1 to 3, inclusive. Each support, Fig. 5, consists of an extensible member 4, a tubular leg 6, a coupling 8, and a pole 10. The extensible member 4 is pointed at one end so that it may be driven into the ground and is telescopically engaged by the tubular leg 6, so that all four legs may be adjusted to support the mattress in a level position irrespective of any unevenness in the underlying ground. The leg 6 is held at any point of its adjustment upon the extensible member 4 by suitable means such as a collar 12 secured in position upon the extensible member 4 by a set screw 16.

The coupling 8 has internal threads at its lower end to receive the externally threaded upper end of the leg 6, which is removably connected to said coupling 8. The upper portion of the coupling 8 provides a socket in which the lower tapered end of the pole 10 snugly but removably fits.

A pair of oppositely-disposed brackets 18 are formed integral with or otherwise fixed to the coupling 8 and provided with concave seats 20 for a purpose which will hereinafter appear. The upper end of each pole 10 is surmounted by a pin 22, which extends through an eyelet in the upper portion of the tent 24, which is supported by the poles 10. Two of the poles 10 are shorter than their companions to give slope to the top of the tent 24, as disclosed by Fig. 1, for the purpose of readily shedding rain.

26 designates a mattress frame consisting of a pair of side rails 28, an end rail 30, and a windlass 32. Each side rail 28, consists of two sections removably connected by a pin 29 fixed to one section and adapted to slip into one end of the companion section, and each of said side rails 28 is provided at its

ends with fittings 34 having inclined slots 36. The end rail 30 has trunnions 38, which are mounted in the slots 36 of the fittings 34 at one end of the side rails 28 and provided with flanges 40 to cooperate with shoulders 42 on said end rail 30 in securing the associate fittings 34 from lateral displacement when the mattress frame 26 is assembled, Fig. 4. The windlass 32 is similar in construction to the end rail 30 and comprises a drum 44, trunnions 46 secured in the ends of said drum 44, and disks 48 fixedly mounted upon said trunnions 46, Fig. 6. The trunnions 46 are provided at their outer ends with flanges 50 and are adapted to be journaled in the slotted portions 36 of the fittings 34 at opposite ends of the side rails 28 from the fittings 34 carrying the end rail 30. The disks 48 have radial holes 52, any of which are adapted to receive handles 54 whereby the windlass 32 may be rotated to tension or slacken the mattress 56.

The mattress 56 may consist of any suitable material, but is preferably made from a good quality of heavy canvas and its ends are looped around the end rail 30 and the windlass 32 and secured by any suitable means such as stitching 58. That end of the mattress looped around the drum 44, is further secured by suitable means such as pins or rivets 45, so that it may be wound upon said drum 44 without slipping thereon when said drum is rotated. Eyelets 60 are formed in the mattress 56 adjacent to its longitudinal margins to receive ropes 62.

The mattress 56 may be tensioned while the mattress frame 26 is resting on the ground, or in the seats 20 of the brackets 18, by rotating the windlass 32 in the proper direction. Rotation of the windlass is accomplished by inserting the handles 54 in any of the holes 52 of the disks 48 and rotating the same. After the desired tension has been obtained the windlass 32 is secured from backward rotation by tying the ends of ropes 62 to the handles 54, said ropes 62 being first rove through the eyelets 60 and around the side rails 28 as shown by Fig. 3. On being pulled taut and tied firmly to the handles 54, the ropes 62 cooperate with the mattress 56 in holding the mattress frame 26 in assembled position, so that there will be no danger of the same collapsing. When not in use the frame 26 and the mattress 56 may swing upward on two of the brackets 18, as on a hinge, and be secured to two of the supports 2, or be lifted from all of the brackets 18 and removed from the tent 24, as preferred, to afford more room within said tent.

When it is desired to double the sleeping accommodations, a second frame 26 and mattress 56 may be spaced above the lower mattress as shown by Figs. 1 and 2, and

supported by brackets 18 slidably mounted upon the poles 10 and supported at any desired point by collars 64 and set screws 66. The sleeping accommodations may be further increased by providing one or more extra pairs of main supports 2, and extra mattresses with their frames which may be placed beside the upper and lower mattresses, disclosed by Fig. 2. When the mattresses are arranged as last stated each intermediate bracket 18 will support the adjacent sides of two frames 26, as will be readily understood.

A space 68 to answer as a dressing room is provided beside the bed by supporting one side of the tent 24 from a pair of arms 70 clamped to the adjacent poles 10. Each arm consists of members 72 and 74, which are movably-connected by bolts 76 and thumb nuts 78, whereby said members are also caused to firmly grip the poles 10. The arms 70 are provided at one end with upwardly-extending pins 80 from which guy ropes 82 may be run to stakes driven into the ground to coact with guy ropes 84 run from the pins 22, in holding the main supports 2 in upright position.

For convenience in supporting garments and other articles adjacent to the bed, I provide a canvas shelf or table 86, which is supported by arms 88 similar in construction to the arms 70 and adapted to be clamped to two of the poles 10 at any desired elevation. The canvas 86 is tensioned by spreading the free ends of the arms 88 apart by an expansible member 87, comprising two bars 89 and 90, connected by a hinge 91. The free ends of the bars 89 and 90 are reduced to pass through openings 92 and 93, respectively, in the arms 88. The reduced end of the bar 90 is threaded to receive a nut 94, whereby the tension on the canvas 86 is regulated. When the expansible member 87 is extended the shoulder 96 on the bar 89, and the nut 94 on the bar 90 engage and spread the arms 88 apart and thus drawn the canvas 86 taut.

When the bed is to be used indoors the extensible members 4, the poles 10, and the tent 24 may be dispensed with and in order to prevent the lower ends of the legs 6 from marring the floor said lower ends are placed in centrally-disposed sockets 98 of feet 100 which present broad bearing surfaces 102 to the floor.

From the foregoing description it is apparent that I have provided a tent and bed embodying the advantages above pointed out, and while I have shown and described the preferred construction, combination and arrangement of parts, I reserve the right to make such other changes as properly fall within the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

5 A bed consisting of a plurality of legs, brackets associated with said legs, two side rails carried by said brackets, an end rail connected to said side rails at one end thereof, a windlass operably associated with said side rails at the end opposite said end rail,

a mattress connected to said end rail and 10 windlass and adapted to be drawn taut by the latter, and cables rove through eyelets in the longitudinal margins of said mattress and extending around the end and side rails and connected to said windlass to secure the 15 same from backward rotation.

In testimony whereof I affix my signature.

JULIUS RUMPEL.