J. H. BREWER.

CAMP BED.

APPLICATION FILED FEB. 5, 1918.

1,305,440.

Patented June 3, 1919.

2 SHEETS—SHEET 1.

Fig. 2

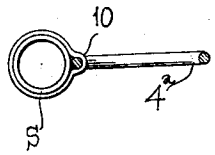


Fig. 1

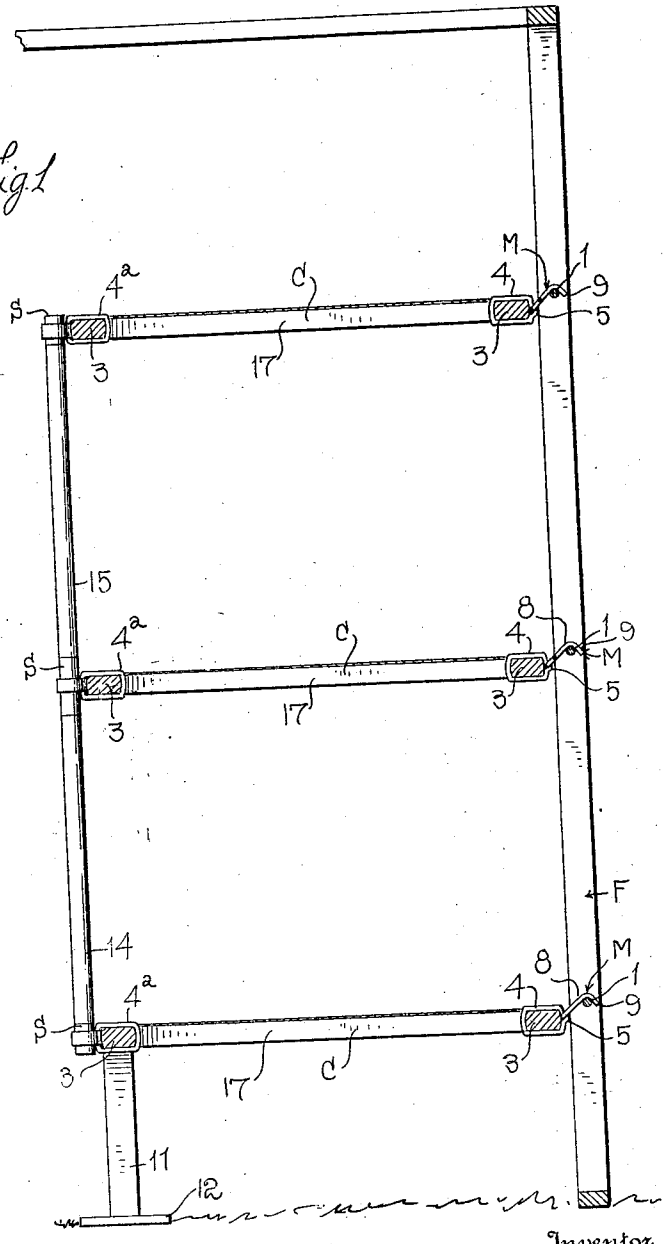


Fig. 3

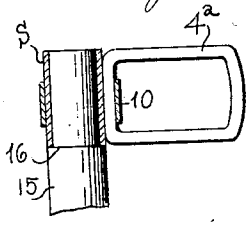


Fig. 4

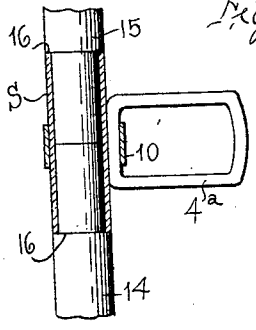
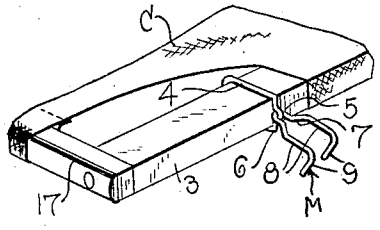


Fig. 5



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2 SHEETS—SHEET 2.

Fig. 6

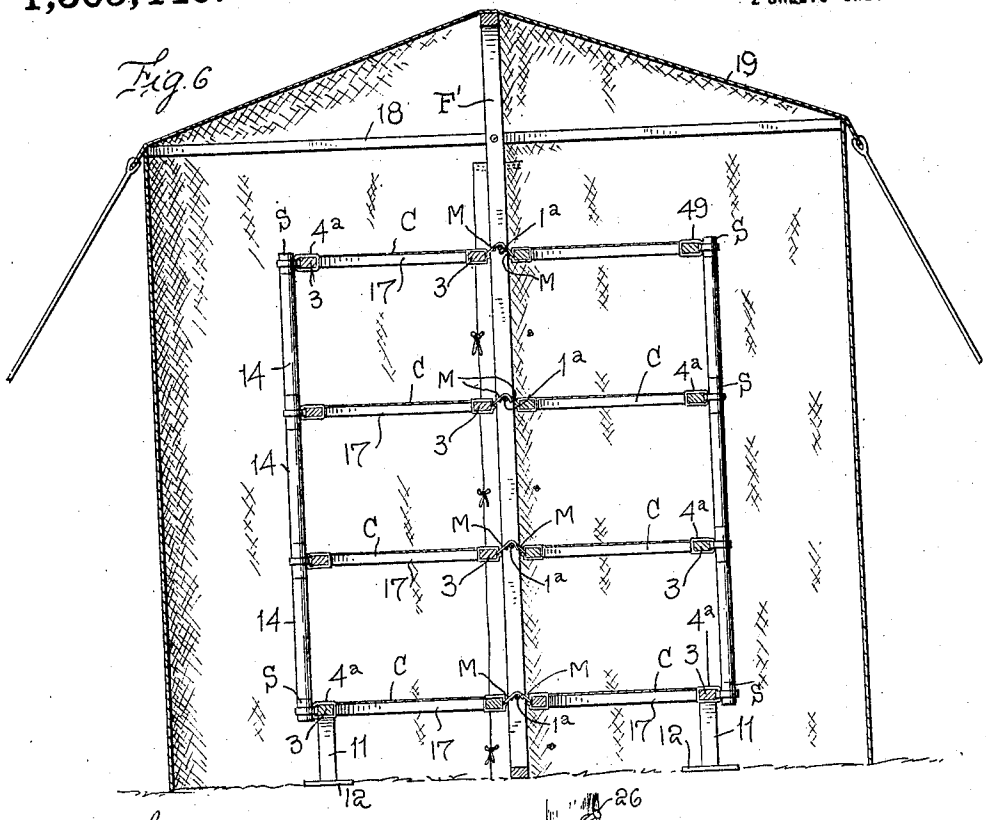


Fig. 8

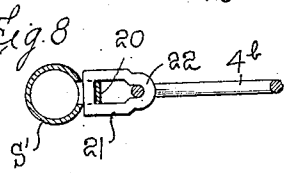


Fig. 9

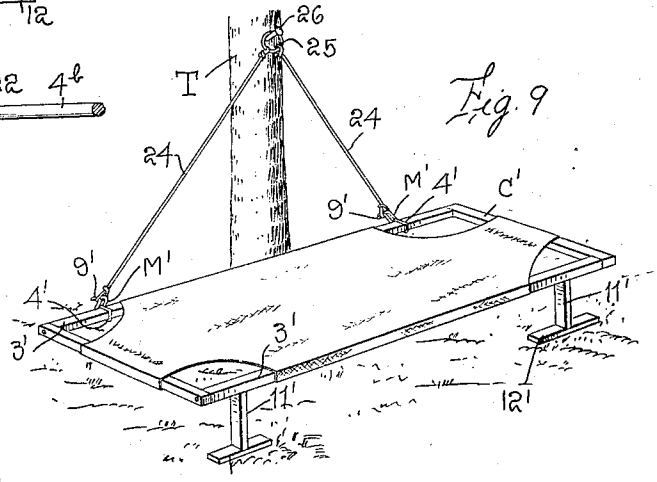
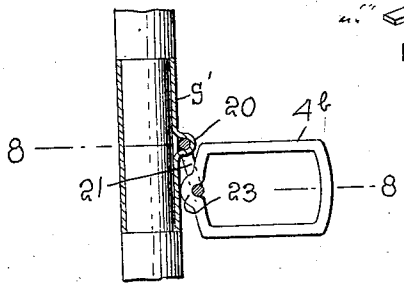


Fig. 7



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UNITED STATES PATENT OFFICE.

JOHN H. BREWER, OF LOUISVILLE, KENTUCKY.

CAMP-BED.

1,305,440. Specification of Letters Patent. Patented June 3, 1919.

Application filed February 5, 1918. Serial No. 215,523.

To all whom it may concern:

Be it known that I, JOHN H. BREWER, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Camp-Beds, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in camp beds and has relation more particularly to a device of this general character especially designed and adapted for use in connection with the supporting structure of a tent.

And it is an object of the invention to provide a novel and improved bed of this general character which may be readily and conveniently assembled into operative position and which may be compacted to occupy a minimum of space when not in use.

It is also an object of the invention to provide novel and improved means whereby a plurality of beds or bunks may be supported in predetermined vertical spaced relation.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved camp bed wherein certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood I will now proceed to describe the same with reference to the accompanying drawings wherein:

Figure 1 is a fragmentary view partly in elevation and partly in section illustrating camp beds constructed in accordance with an embodiment of my invention and in applied position;

Fig. 2 is a view partly in top plan and partly in section illustrating a sleeve and co-acting link as herein included;

Fig. 3 is a view partly in side elevation and partly in section illustrating a sleeve link and a portion of the rod co-acting with the sleeve;

Fig. 4 is a fragmentary view partly in section and partly in elevation illustrating the socket and co-acting link co-acting with an intermediate cot structure;

Fig. 5 is a fragmentary view in perspective illustrating an end portion of a cot together with one of the loops and hook members co-acting therewith;

Fig. 6 is a transverse sectional view taken through a tent showing a modified form of my invention;

Fig. 7 is a fragmentary view partly in elevation and partly in section illustrating a slightly modified form of connection with a socket as herein embodied;

Fig. 8 is a sectional view taken substantially on the line 8—8 of Fig. 7; and

Fig. 9 is a view in perspective illustrating a still further embodiment of my invention.

As disclosed in the accompanying drawings F denotes a supporting frame for a tent and which includes the horizontally disposed and substantially parallel rods 1.

C denotes a cot structure including the side members or strips 3 and the opposite end portions of one of the strips 3 are disposed through the rigid loops 4. Each of the loops 4 has an end pinched as at 5 to afford a recess to receive the pinched or recessed portion 6 formed in the intermediate portion 7 of the substantially U-shaped engaging member M. The free end portions of the arms 8 of the member M are returned to afford hooks 9 which are adapted to engage a horizontal rod 1 embodied in the frame structure F.

The opposite end portions of the second strip or member 3 of the cot structure C is disposed through the rigid loops 4^a. An end portion of each of said loops is directed through a barrel 10 extending laterally from a sleeve S at substantially the longitudinal center thereof. The barrel 10 is also disposed longitudinally of the sleeve so that the sleeve S is substantially at right angles to the adjacent strip or member 3 when the cot C is extended. As disclosed in the accompanying drawings I employ three cot structures disposed in predetermined vertical spaced relation and the sleeves S of said cot structures are adapted to be in vertical alinement when said cot structures are extended.

When the lower cot is extended the inside strip or member 3 thereof is adapted to rest upon suitably positioned legs 11 extending upwardly from the flat plates or bases 12. The bases or plates 12 seat directly on the ground.

The sleeves S of the intermediate cot C

are of a length greater than the sleeves S of the lower and top cots and interposed between the sleeves S and the intermediate cot and the sleeves S of the top cot are the additional vertically disposed supporting members 14 and 15. In order to prevent the supporting members 14 and 15 having endwise movement through the sleeves S the portions of said supporting members extending within the sleeve are preferably reduced to afford the stop shoulders 16. It is also to be understood that when the cots C are extended the ends of the strips or members 3 are connected by the cross strips 17 so that the cot C will be effectively maintained in operative position.

When the cots are not in use the supporting members 14 and 15 together with the cross strips 17 are removed and each of the cots rolled toward the frame structure F and maintained in such condition by holding straps or the like (not shown).

In the form of invention illustrated in Fig. 6 F′ denotes a central vertical frame provided at each end and at a predetermined distance below the top thereof with the cross member 18. The frame F′ at each of the cross members 18 serves as a support for the canopy 19. The frame F′ also includes the vertically spaced and longitudinally disposed rods 1^a with which are adapted to be engaged the members M co-acting, in a manner as has hereinbefore been set forth with a side member or strip 3 of a cot structure C. As illustrated in Fig. 6 it is to be noted that the cot structures C are arranged in vertical series at opposite sides of the intermediate frame F′ so that an increased number of cot structures C may be arranged within a single tent. Also in this arrangement it is to be noted that I have each vertical tier comprising four cot structures. As illustrated in the form of invention disclosed by Figs. 7 and 8, each of the sockets S′ is provided at its inner side and at substantially its longitudinal center with an eye member or barrel 20 having its bore horizontally directed and freely disposed through said eye member or barrel is an end portion of a link 21. The opposite end portion of the link 21 is pinched or recessed as at 22 to receive the pinched or recessed portion 23 formed in an adjacent end portion of the rigid loop 4^b. The loop 4^b is adapted to co-act with a side strip of a cot structure in the same manner as has been set forth relative to a loop or engaging member 4^a. With the use of the link 21 a direct pull is assured especially when a cot structure is occupied as is also true of the construction shown in the preceding figures relative to the members M and the rigid loop or engaging members 4.

In the form of my invention illustrated in Fig. 9 I disclose a construction whereby a cot structure may be employed in connection with a single support such as a tree or the like. As disclosed in this figure the cot structure C′ is substantially the same as has hereinbefore been set forth and the engaging members M′ co-act with the loops 4′ in the same manner. The members 4′ also have disposed therethrough a side strip 3′ of the cot structure. Engaged with the hooks 9′ of the members M′ are the flexible members 24 suitably secured to the tree or other support T at a predetermined point above the cot structure C. As herein disclosed the adjacent ends of the flexible members 24 are secured to an annular member 25 adapted to be disposed over a spike 26 driven into the tree or other support T. It is to be understood however that other means may be employed for connecting the members 24 to the support T as by lashing or the like. Co-acting with the second side strip 3′ of the cot structure C are the supporting legs 11′ provided with the plates or bases 12′ for contact directly upon the ground or other surface.

From the foregoing description, it is thought to be obvious that a camp bed constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated and it will also be obvious that my invention is susceptible of some change and modification without materially departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. A camp bed comprising, in combination, a supporting structure, a cot including side strips, one of said strips being secured to the supporting structure, loops engaged with the opposite end portions of the second strip, sleeves, each of said sleeves being provided with a barrel through which an end portion of a loop is directed, said sleeves being arranged at substantially right angles to said second strip, and supporting members engageable with said sleeves.

2. In combination with a supporting structure, a plurality of cots arranged in vertically spaced relation and including side strips, a side strip of each of the cots being engaged with the supporting structure, sleeves carried by the opposite end portions of the second strip of each of the cots and arranged substantially at right angles thereto, a ground engaging member co-acting with the second strip of the lower cot and removable members interposed between the second strips of the cots and engageable with the sleeves carried thereby.

3. A camp bed comprising in combination, a supporting structure, a cot including side strips, one of said side strips being secured to the supporting structure, loops engaged with the second strip, sleeves, each of said sleeves being provided with a barrel, a link disposed through the barrel and a loop, said sleeves being arranged substantially at right angles to the second strip, and supporting members engageable with said sleeves.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

JOHN H. BREWER.

Witnesses:
LILLIAN PEARCY,
C. C. BURCH.

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