F. ZENDT.

KNOCKDOWN COT.

APPLICATION FILED MAY 14, 1917.

1,263,509.

Patented Apr. 23, 1918.

2 SHEETS—SHEET 1.

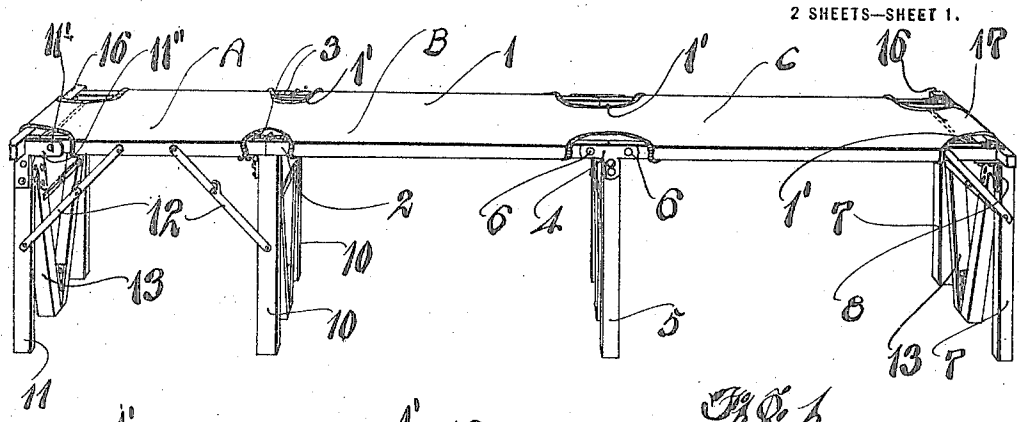


Fig. 1.

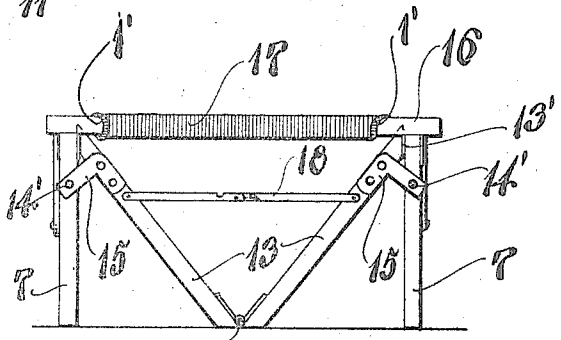


Fig. 2.

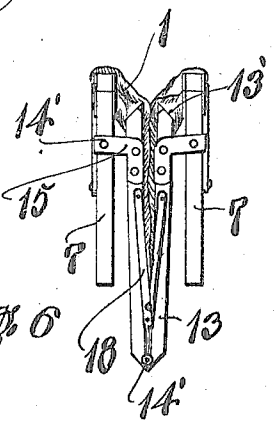


Fig. 6.

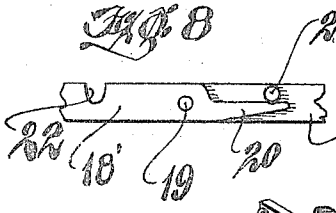


Fig. 8.

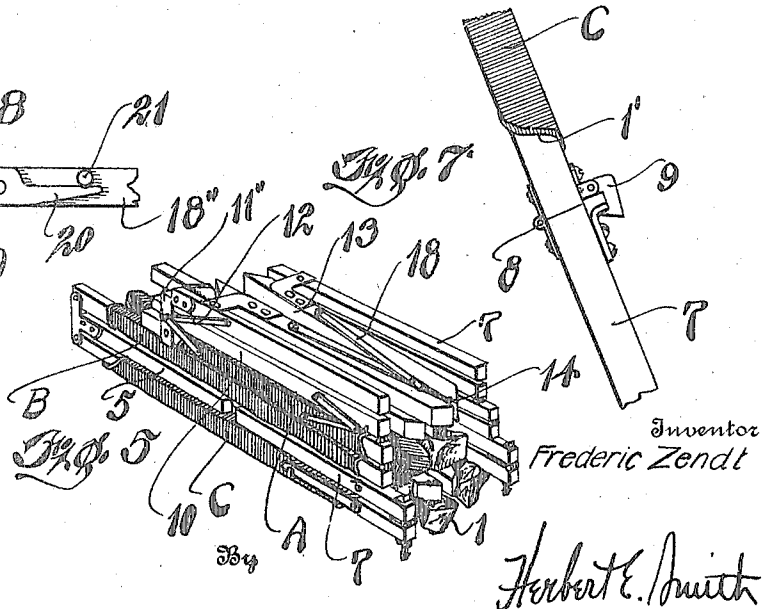


Fig. 7.

Fig. 5.

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2 SHEETS—SHEET 2.

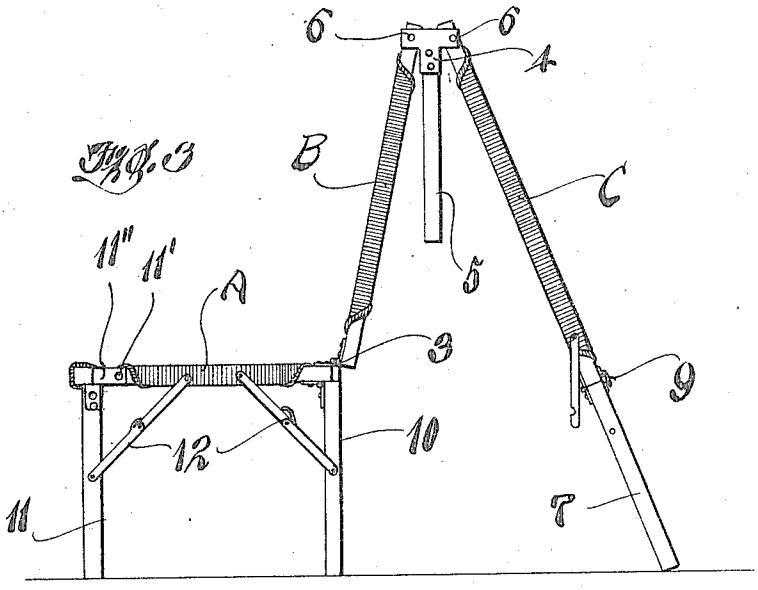


Fig. 3

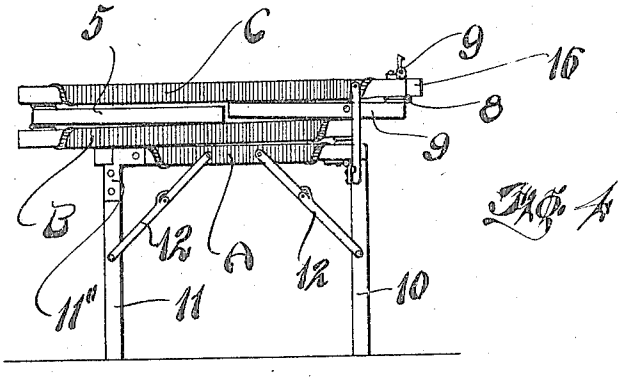


Fig. 4

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KNOCKDOWN COT.

1,263,509. Specification of Letters Patent. Patented Apr. 23, 1918.

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To all whom it may concern:

Be it known that I, FREDERIC H. ZENDT, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Knockdown Cots, of which the following is a specification.

My invention relates to improvements in knock-down cots, and the primary object thereof is the provision of a device of that character which may be readily folded into a small compact body for convenient transportation.

A further object resides in providing a collapsible cot so constructed that it may be quickly transformed into and utilized as a chair or table. My contrivance as a whole is especially adapted for camping purposes.

Generally speaking, my invention consists of a rectangular frame composed of sectional hinged side rails and removable end pieces, the structure being of suitable proportions to provide sleeping space; supporting members or legs hingedly and pivotally mounted on the side rails, hinged transverse bracing elements pivotally secured to and connecting the legs, stays for securing the several elements in their adjusted positions, and a flexible cover or top of canvas or other material secured to and adapted to be stretched taut upon the frame.

Further, my invention resides in the various details of construction, and in the arrangement, combination, and specific form of its several parts, which will be hereinafter pointed out, recourse being had to the accompanying drawings, in which—

Figure 1 is a longitudinal perpsective view of the complete device set up as a cot or couch.

Fig. 2 is an end elevation of the same ready for use.

Fig. 3 is a side elevation illustrating its adaptation as a chair.

Fig. 4 is a side elevation showing the same folded for use as a table.

Fig. 5 is a perspective view of the device completely folded or in knock-down condition.

Fig. 6 is an endwise view showing the relative positions of the parts after the first step or operation of folding.

Fig. 7 is a detail view showing the application and form of one of the latch devices.

Fig. 8 is an enlarged fragmental view of one of the fastening devices or stays which are adapted to maintain the structure in rigid set-up condition.

Referring more specifically to the drawings in which like reference characters are used to indicate like parts in the several views, the numeral 1 designates a canvas top or cover which is tacked or bound to the side rails 2. The side rails are formed of short, intermediate and long sections or bars A, B, and C, respectively. Sections A and B are joined together by hinges 3 located upon the upper contiguous ends of the bars, the latter section being thereby adapted to be pivoted upwardly into the position shown in Fig. 3. Sections B and C are joined by means of the T-shaped pieces or plates 4 which are screwed to the pair of legs 5 and mounted pivotally at 6 to the sides of the adjoining ends of the side bars. By this latter connecting means the sections B and C may be positioned as shown in Fig. 3, so as to constitute in conjunction with the legs 7, which latter are joined to the under faces of the side bars of section C at their remaining ends by hinges 8, inclined supports for section B when the latter is positioned as shown to provide a chair back. To retain the legs 7 and the latter bar sections in rigid extended relation (Fig. 3) I provide the latches 9 clearly illustrated in Fig. 7.

To form the contrivance into a table the same is folded as shown in Fig. 4, sections B and C and legs 5 and 7 being superposed above and supported by section A, the latter being left intact.

The legs 10 are hingedly secured to the under faces of the opposite ends of the bars of section A and are thereby adapted to fold up against their respective bars. The legs 11 are pivotally mounted at 11′ to the side bars by means of the angle-pieces 11″ which are screwed to the legs. In set-up position these legs as well as legs 7 are rigidly secured by pivoted and folding stays 12 connecting the side bars and legs.

Each pair of legs is provided with the transversely disposed and inclined stabilizing connecting braces 13 which are hinged together centrally of their lengths at 14, their outermost ends being adapted to engage the inner faces of the legs at their upper ends. These members 13 are pivotally mounted at 14′ upon their respective legs by means of the L-shaped angle-pieces 15 fixedly carried by said members. The upper bev-

eled ends of the members 13 may be cut away as at 13′ to better allow for the retention and support of removable end stretcher strips 16 which are intended to be inserted within the looped ends 17 of the sheet or top 1 and then positioned in place as shown, abutting the outer ends of the side bars and the uppermost ends of the legs 7 and 11. By this means the sheet may be stretched taut, it being of somewhat less length than the over-all length of the structure when set up. When in position the members 13 are rigidly positioned by the extendible pivoted stays 18 which, as shown in detail in Fig. 8, are composed of two lap-ended sections 18′ and 18″ pivoted together at 19, the section 18′ being formed with an extended pointed finger 20 which engages a lug 21 on the face of section 18″ when the device is in use. When collapsed the lug fits snugly in a groove 22.

To allow for free movement of the several hinged and pivoted sections and legs the canvas top is cut away as indicated at 1′.

In completely collapsing the structure into portable condition, as illustrated in Fig. 5, the end strips 16 are first removed and the entire structure then folded longitudinally throughout its entire length, see Fig. 6. Then the legs 7, 10, and 11 may be folded, and finally the operation finished by folding the sections A, B and C at their hinged and pivoted pointed 3 and 4.

Having described my invention, its construction and advantages, I claim:—

1. The combination in a knock-down cot, of sectional, hinged side rails, pairs of legs pivoted to said rails at the hinged joints, removable transverse end strips connecting said rails, transverse, hinged, V-shaped supporting and bracing members pivoted to said legs and each formed with a beveled upper end to fit against a leg, and a flexible sheet adapted to be engaged by said transverse strips.

2. The combination in a knock down cot, of parallel sectional, side rails having certain hinged sections, and T-plates forming hinged connections for other sections, a pair of legs fixed to the T-plates, transversely arranged angle-plates pivoted to the legs, centrally hinged V-shaped braces fixed to said angle-plates with their hinged ends resting upon a support, and the upper ends of said members having beveled ends bearing against the legs.

In testimony whereof, I affix my signature.

FREDERIC ZENDT.

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