H. R. BASFORD.

FOLDABLE BED.

APPLICATION FILED APR. 24, 1919.

1,328,977.

Patented Jan. 27, 1920.

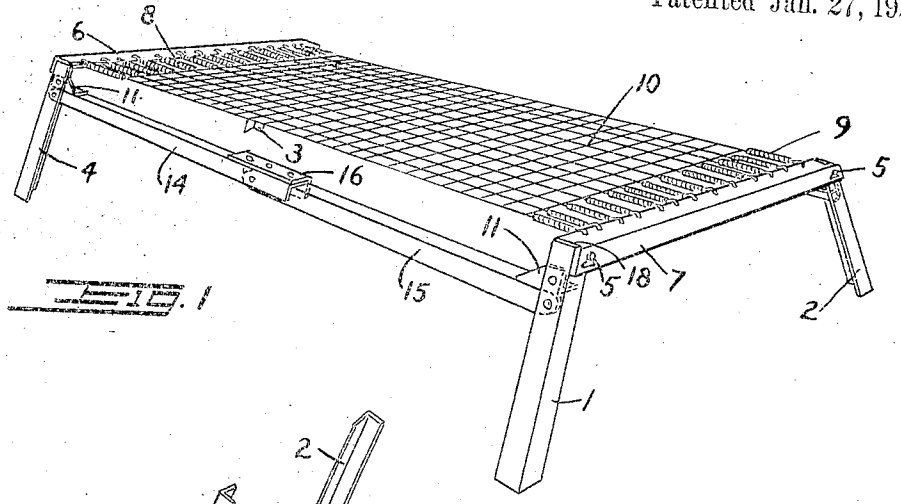


FIG. 1

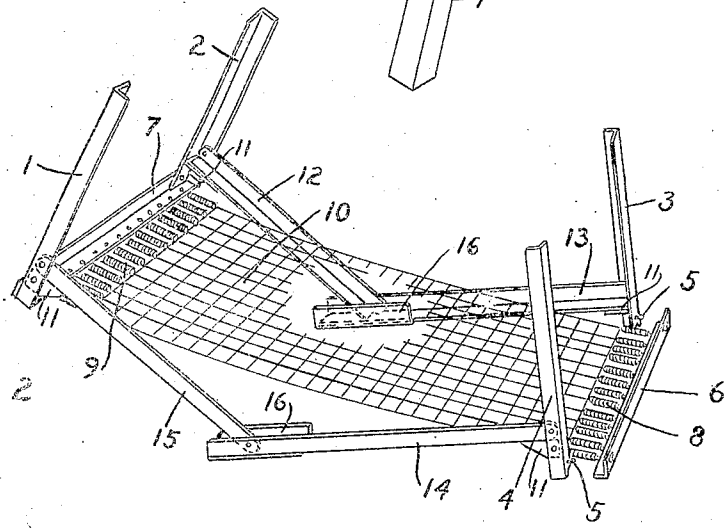


FIG. 2

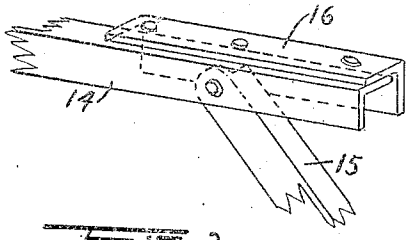


FIG. 3

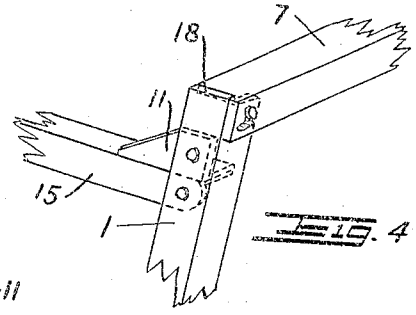


FIG. 4

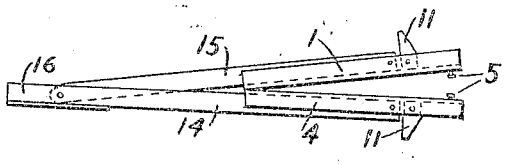


FIG. 5

INVENTOR
H.R. BASFORD.

BY

Carlos P. Griffin

ATTORNEYS

UNITED STATES PATENT OFFICE.

HAROLD R. BASFORD, OF SAN FRANCISCO, CALIFORNIA.

FOLDABLE BED.

1,328,977. Specification of Letters Patent. Patented Jan. 27, 1920.

Application filed April 24, 1919. Serial No. 292,279.

To all whom it may concern:

Be it known that I, HAROLD R. BASFORD, citizen of the United States, residing at San Francisco, in the county of San Francisco, State of California, have invented a new and useful Foldable Bed, of which the following is a specification in such full and clear terms as will enable those skilled in the art to construct and use the same.

This invention relates to a folding bed frame and its object is to produce a bed frame which will be capable of being set up with the minimum of labor and which will be foldable into a very small package when disassembled.

Another object of the invention is to dispense with braces as far as possible, thereby eliminating expense in construction and labor in setting up and dismounting the bed.

This bed is especially adapted for the use of campers, since its parts are so arranged that the transverse rail is the longest part when the bed is dis-assembled.

Other objects of the invention will appear as the description proceeds.

An embodiment of the invention is shown in the accompanying drawing in which the same reference numeral is applied to the same portion throughout, but I am aware that there may be modifications thereof.

Figure 1 is a perspective view of the complete bed.

Fig. 2 is a perspective view of the bed in process of being set up.

Fig. 3 is an enlarged detail in perspective of one of the rail joints.

Fig. 4 is an enlarged perspective view of one of the corners of the bed frame, and

Fig. 5 is a side elevation of one of the rails as it appears when folded up.

The bed has four legs 1 to 4 inclusive each of which has a projecting rivet 5 which is intended to pass through a hole in one end of the end rails 6 and 7, each rail being connected to two legs. The entire frame of the bed is made of angle steel and the springs 8, 9 are connected to the other leg of the angles 6 and 7 from that in which the holes just mentioned are formed. The springs are connected together by means of any suitable fabric 10 which forms the surface for the support of the mattress.

Each leg has a small angle steel block 11 riveted thereto which forms an abutment to hold the legs in a fixed position when the bed has been set up and which abutments are pulled into contact with the side rails by the pressure of the springs.

The legs are pivotally connected to the ends of the side rails 12 to 15 inclusive at points just below the abutments 11 and the sides 12, 13 and 14, 15 are hinged together at their ends opposite to the legs.

In order to prevent the side members from bending laterally when the bed is set up, each side member has a short angle 16 secured thereto to form a channel for the members 12, 15 to move in and to stiffen the ends of the rails 13, 14.

In order to dispense with the necessity of side braces, the tops of the legs are cut away to leave a flange as shown at 18 which will abut against the ends of the end rails 6 and 7 and when the legs are spread apart slightly more at the bottom than the top.

In setting up the bed, the frame is turned upside down as shown in Fig. 2. The end rails are then connected with the legs. One person holds one end of the bed down and another pushes the other end of the bed down until the springs pass the side rails, whereupon they will hold the rails in the proper position and the frame may be turned over for use.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is as follows, express reservation being made of permissible modifications.

1. A folding bed frame comprising in combination a pair of foldable side rails hinged together at their centers, a leg pivotally connected with each end of each pair of foldable side rails the leg having an abutment to prevent it from turning in one direction and which bears upon the top of the side rails, end rails connected with the tops of the legs and which rails contact at their

ends with a projecting lug on the upper ends of the legs, and a bed fabric connecting the end rails.

2. A folding bed frame comprising a pair of foldable side rails, legs connected to the ends of the foldable side rails each leg having an abutment to bear upon its side rail to prevent said rail from turning in one direction, end rails adapted to be detachably connected to the upper ends of the legs and which end rails receive the thrust of a lug carried by said legs, and a spring fabric connecting the end rails together.

In testimony whereof I have hereunto set my hand this 16th day of April A. D. 1919.

HAROLD R. BASFORD.