C. C. ANDERSEN.

SUPPORT.

APPLICATION FILED NOV. 14, 1917.

1,267,618. Patented May 28, 1918.

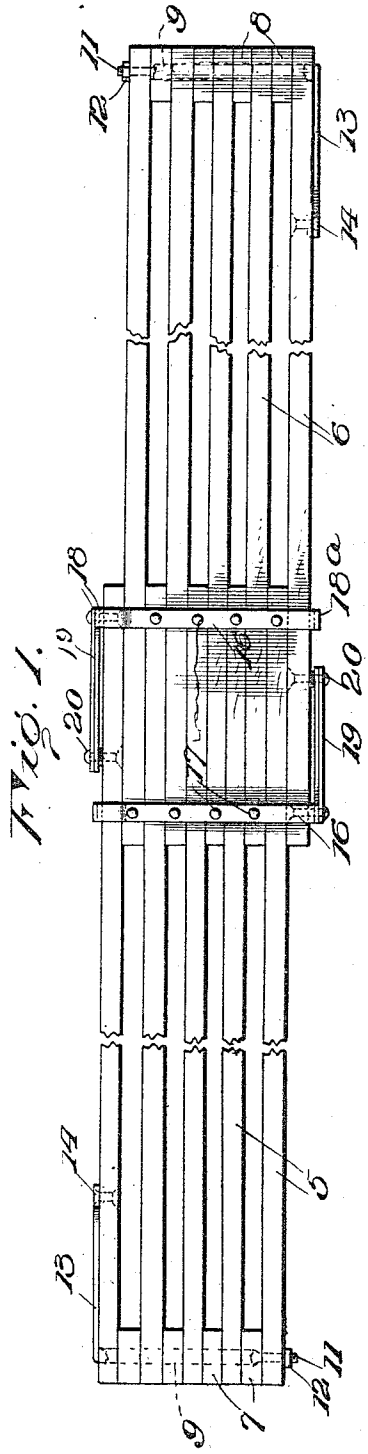


Fig. 1.

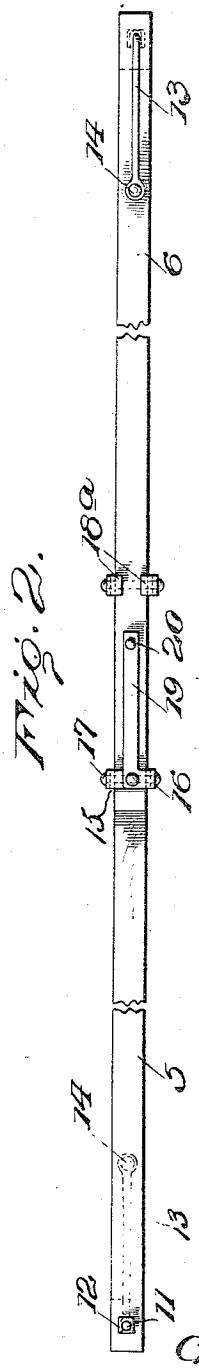


Fig. 2.

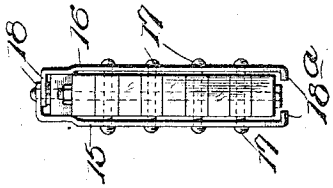


Fig. 3.

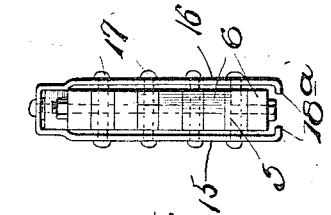


Fig. 4.

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UNITED STATES PATENT OFFICE.

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SUPPORT.

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Application filed November 14, 1917. Serial No. 201,954.

To all whom it may concern:

Be it known that I, CHARLES C. ANDERSEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Supports, of which the following is a specification.

This invention relates to that class of supports known as planks, and used by painters, paperhangers and other artisans when working on an elevated surface, such as a wall, ceiling, etc. This type of support is usually placed on two trestles or standards, and it is made in two independent sections which are slidably connected so that the support may be lengthened or shortened. The present invention relates more particularly to the means whereby the parts forming the plank sections are fastened together, the object being to provide a novel and improved fastening which will effectually prevent said parts from becoming distorted after repeated use.

With the object stated in view, the invention consists in a combination and arrangement of parts to be hereinafter described and claimed, and in order that the same may be better understood, reference is had to the accompanying drawing forming a part of this specification.

In the drawings—

Figure 1 is a plan view of the device;

Fig. 2 is an edge view thereof;

Fig. 3 is an end view, and

Fig. 4 is an end view showing a slight modification.

Referring specifically to the drawing each section of the plank is composed of a series of laterally spaced, parallel rails, the rails of one section being shown at 5, and those of the other section at 6. The rails of one section seat slidably in the spaces between the other section, and the two sections are thus telescopically connected. The spacing of the rails 5 is had by blocks 7 between the same at their outer ends. Similar spacer blocks 8 are provided for the rails 6. The rails and the spacer blocks are rigidly fastened together by a long bolt 9 passing therethrough. The shank of this bolt is angular in cross section, and one end has a reduced screw-threaded portion 11 to take a nut 12 which is screwed against the outer face of the corresponding end rails. On the other end of the shank is a laterally extending, resilient arm 13 extending along the outer face of the corresponding end rails, and secured thereto at its outer end by a bolt or other fastening 14.

The inner ends of the rails 5 and 6 of the respective sections are secured in spaced relation by transverse straps 15 and 16 located, respectively, at the top and the bottom, pins, bolts or other fastenings 17 securing said straps to the rails.

The straps 15 and 16 have inward, overlapping bends at one end, as shown at 18, over the corresponding end rails, while at their other ends they have slight inward bends 18ª over the corresponding end rails. The overlapping parts of the straps 15 and 16 have laterally extending resilient arms 19, extending along the outer face of the adjacent rail and fastened thereto by any suitable means 20.

When in use, frequent lengthening and shortening of the plank by sliding the two telescoping sections relative to each other, is apt to loosen the joints, resulting in distortion of the parts which makes them stick or bind. Normally, each section of the plank, considered as a whole, is rectangular, but shocks and strains received at the corners will tend to distort it out of rectangularity. When this occurs, the spring arms, being made fast at their ends, flex or become bowed slightly, and when the strain is removed or relieved, they again straighten out, and through the parts 16 restore the section to rectangular contour. The object of making the bolts 9 flat or rectangular is to counteract transverse twisting tendency, as they present a large surface rather than a small one as an ordinary round bolt would give.

Fig. 4 shows a slight modification, the straps 15 and 16 being here made in one piece and bent to embrace the rails.

I claim:—

1. A support of the character described comprising a pair of independent slidably connected members, each member being composed of a series of parallel, spaced rails, the rails of one member seating slidably between the rails of the other member, spacer members between the rails at one end, a fastening passing through the rails and the spacer members therebetween, a resilient arm extending laterally from one end of the fastening alongside and in engagement with the outer face of one of the end rails, and means for securing the other ends of the rails in spaced relation, said means also hav-

ing a resilient arm extending alongside and engaging the outer face of one of the end rails.

2. A support of the character described comprising a pair of independent slidably connected members, each member being composed of a series of parallel, spaced rails, the rails of one member seating slidably between the rails of the other member, spacer members between the rails at one end, a fastening passing through the rails and the spacer members therebetween, a resilient arm extending laterally from one end of the fastening alongside and in engagement with the outer face of one of the end rails, straps extending across and secured to the rails at their other ends, on opposite sides thereof, and a resilient arm extending from the straps alongside and engaging the outer face of one of the end rails.

3. A support of the character described comprising a pair of independent slidably connected members, each member being composed of a series of parallel, spaced rails, the rails of one member seating slidably between the rails of the other member, means at the ends of the rails for securing the same in spaced relation, and resilient arms extending from said means alongside and engaging the outer faces of the end rails.

In testimony whereof I affix my signature.

CHARLES C. ANDERSEN.

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