Aug. 11, 1931. M. PAYSEN 1,818,428

COLLAPSIBLE CHORUS STAND

Filed Aug. 2, 1930

Fig. 1

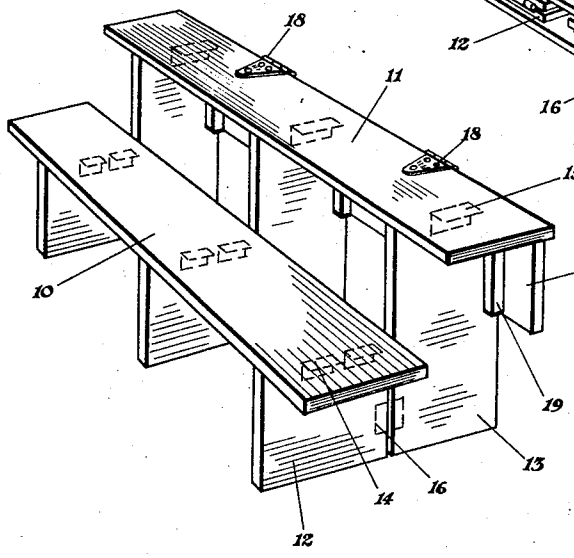


Fig. 5

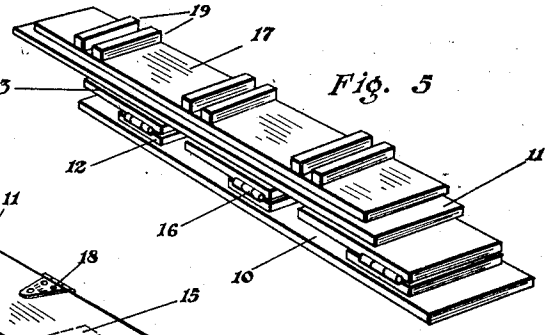


Fig. 4

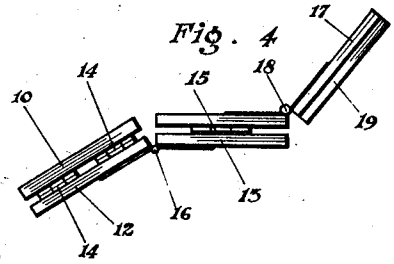


Fig. 3

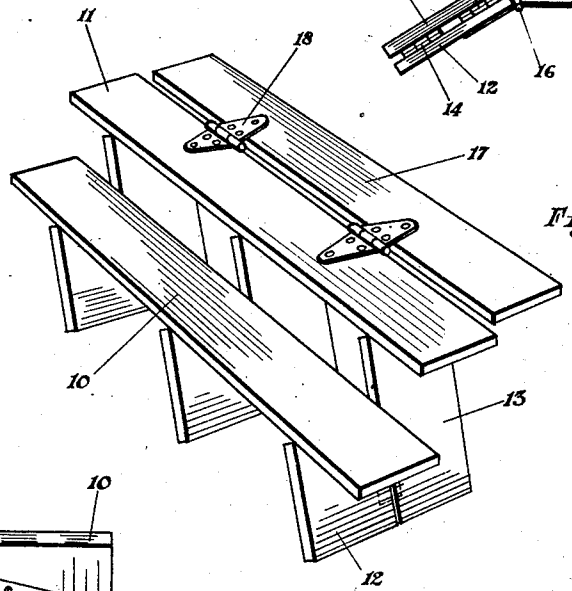
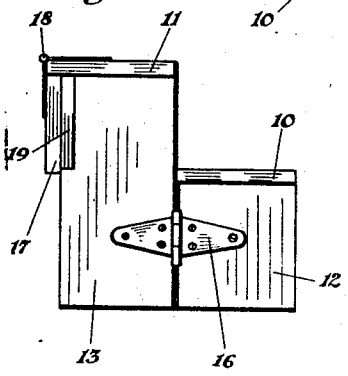


Fig. 2



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UNITED STATES PATENT OFFICE

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COLLAPSIBLE CHORUS STAND

Application filed August 2, 1930. Serial No. 472,621.

My invention relates to chorus stands and more particularly to chorus stands of the collapsible type in which the stand may be folded into a size and form so that it may be easily carried about and in which it will occupy the minimum of storage space when not in use.

The primary object of the invention is the provision of a foldable or collapsible chorus stand which is firm and rugged when in use but which may be folded so that it may be easily carried about from place to place.

Another of my objects is the provision of a plurality of shelves or platforms having supports to which the platforms are hingedly connected and with hinge connections between the supports.

Another of my objects is the provision of a reinforcing and latching member which will strengthen the structure while in use and which will render the hinge connections inoperative during use to thereby prevent the accidental collapsing of the chorus stand.

Having in view these objects and others which will be pointed out in the following description, I will now refer to the drawings, in which

Figure 1 is a view in perspective of the chorus stand fully set up for use.

Figure 2 is a view in end elevation of the chorus stand showing the position of the reinforcing and latching member and showing also the hinge which connects the two supports.

Figure 3 is a view similar to Figure 1 but showing the various parts in their position at the beginning of the collapsing movement.

Figure 4 is an end elevation of the partially collapsed chorus stand.

Figure 5 is a view in perspective showing the chorus stand completely collapsed.

The chorus stand includes a pair of platforms 10 and 11 having supports 12 and 13 respectively, the platforms being connected to the supports by means of hinges 14 and 15 respectively. The supports in each instance are connected with each other by means of hinges 16, these hinges being on the side of the supports opposite the hinges 14 and 15.

The stand may be made of any suitable material such as wood or steel. The platforms 10 and 11 in my present models are made from planks of suitable length and width which are secured to the supports 12 and 13 of similar material.

As thus far described the collapsing movement of the various parts will be readily understood. The pintles of the hinges 14 and 15 are all transverse and parallel to each other. Parallel movement of the platforms 10 and 11 relative to each other will take place about the pintles of the hinges 14 and 15 until the two platforms 10 and 11 lie in a common plane. The initial step of this movement is shown in Figure 3 in which all of the supports 12 and 13 are inclined with reference to the two platforms 10 and 11. When the platforms 10 and 11 are in a common plane, the supports 12 and 13 all lie within a plane common to all of the supports, this plane being parallel to the plane of the platforms 10 and 11. At this point the pintles of all of the hinges 16 will be brought into alignment so that it is possible to fold the two platforms 10 and 11 into parallel planes with the supports 12 and 13 between the two platforms.

As thus far described the chorus stand might be accidentally collapsed during use and the stand itself would not be as firm as might be desirable. A suitable number of supports 12 and 13 are provided but these alone might be insufficient to maintain the two platforms 10 and 11 in firm condition when they carry a heavy weight. In order to reinforce the structure, there is provided a beam 17 which is hingedly connected at 18 to the rear edge of the platform 11. The hinges 18 are so secured to the platform 11 and to the beam 17 that the beam 17 is allowed to drop underneath the platform 11. The beam 17 is provided with a plurality of pairs of cleats 19, the cleats of each pair being spaced apart a distance equal to the thickness of the supports 13. These grooves provided between the cleats are in registration with the rear edges of the supports 13 when the chorus stand is set up and ready for use. The pairs of cleats 19 engage the rear edges of the supports 13 and thereby hold the sup-

ports 12 and 13 against any movement on the hinges 14 and 15. No collapsing movement of the stand can take place without first releasing the supports 13 from engagement with the cleats 19.

The platforms 10 and 11 may be made in any desired dimensions. It is also obvious that the stand need not be limited to two platforms as shown in my drawings but any number of platforms may be provided by building up the structure as indicated and by hinging the beam 17 with its latches 19 to the rearmost or uppermost platform. The only limit to the number of platforms is the limit necessitated by the increased weight and by the increased bulk of the folded stand.

The stand is designed initially and primarily to serve as a chorus stand. The dimensions of the parts may, however, be altered at will so that the stand will serve as a support for goods which are to be displayed in a store or in a store window. I therefore reserve to myself the right to all uses to which the stand may be put.

Having thus described my invention in such full, clear, and exact terms that its construction and operation will be readily understood by others skilled in the art to which it pertains, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A chorus stand comprising a pair of platforms each having a support hingedly secured thereto, said supports being foldable into parallelism with said platforms, each pair of said supports being in edge to edge relation and in a common plane when said chorus stand is set up, and hinge connections between the members of a pair of said supports whereby the members of the pair of supports are foldable on each other in parallel planes.

2. A chorus stand comprising a pair of platforms at different levels each having a support hingedly secured thereto, said supports being foldable into parallelism with said platforms, each of said supports being in edge to edge relation and in a common plane when said chorus stand is set up, and hinge connections between the supports of a pair of said supports whereby the members of a pair of supports are foldable on each other into parallel planes and whereby the folding of said supports on said platforms results in a parallel movement of said platforms to bring them into a common plane and in edge to edge relation.

3. A chorus stand comprising a pair of platforms each having a support hingedly secured thereto, said supports being foldable into parallelism with said platforms, each pair of said supports being in edge to edge relation and in a common plane when said chorus stand is set up, hinge connections between the supports of a pair of said supports whereby the members of a pair of supports are foldable on each other into parallel planes, and a latch for releasably uniting one of said platforms to the support thereof to prevent relative movement therebetween when said chorus stand is set up.

4. A chorus stand including an upper platform, a plurality of supports therefor, hinges connecting said supports to said upper platform, the axes of said hinges positioned transversely of said upper platform, a lower platform immediately forward of said upper platform, supports for said lower platform hingedly secured thereto with the hinge axes positioned transversely thereof, hinges having vertical axes connecting the supports of said lower platform to the supports of said upper platform whereby said chorus stand is foldable about the hinges having transverse axes to bring said two platforms into a common plane and in edge to edge relation and with the axes of said support-connecting hinges in alignment whereby said two platforms are foldable into parallel and spaced-apart relation with said supports positioned in folded relation between said platforms.

In testimony whereof I affix my signature.

MAGNUS PAYSEN.