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PORTABLE AND COLLAPSIBLE STAND FOR CAMERAS

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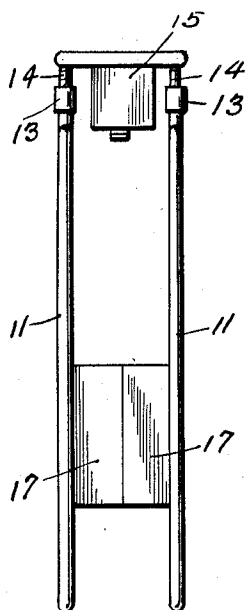


Fig. 2.

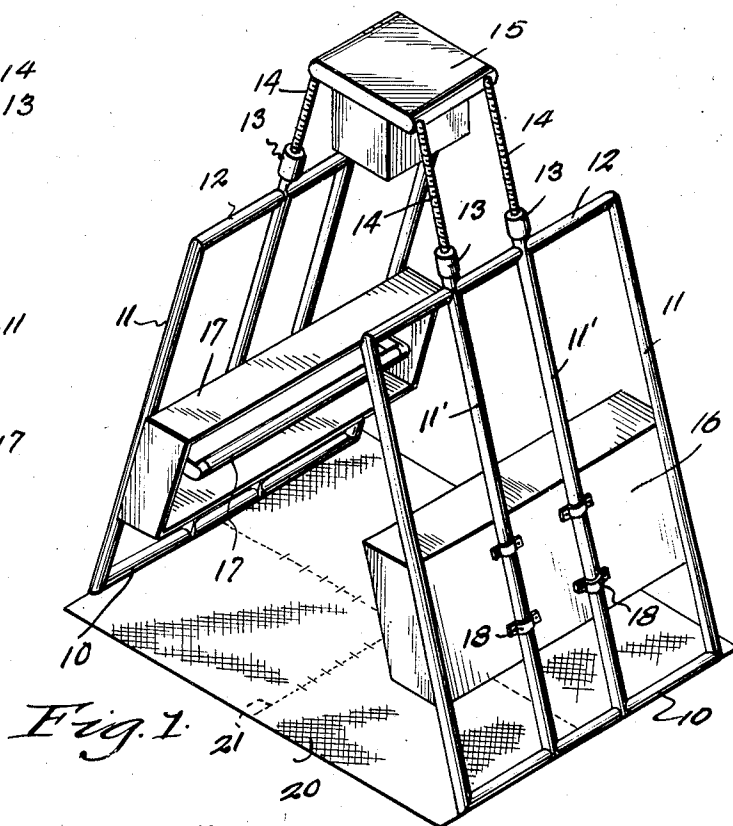


Fig. 1.

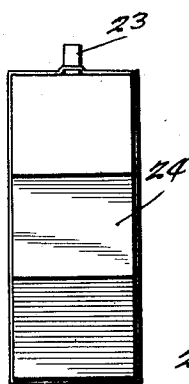


Fig. 4.

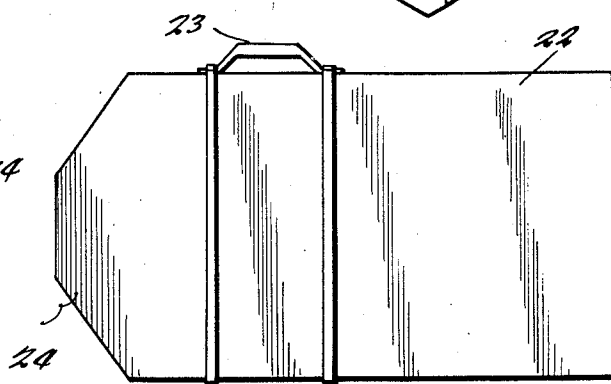


Fig. 3.

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PORTABLE AND COLLAPSIBLE STAND FOR CAMERAS

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3 Claims. (Cl. 88—24)

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This invention relates to a portable stand, and more particularly to such a stand adapted specifically for the use of cameras. A primary object of this invention is the provision of a light, portable means of suspending a copying camera in proper position for copying, as for example for maps and documents.

An additional object of the invention is the provision of lights, in association with such a stand, which may be so positioned as to give the most advantageous illumination of the device being copied.

A further object of the invention is the provision of such a stand which may be readily constructed of light metal, wood, plastic or the like, in order to provide a stand of materially reduced weight which may be readily carried from place to place without in any way sacrificing the stability of the stand.

Other objects reside in the combinations of elements, arrangements of parts, and features of construction, all as will be more fully pointed out hereinafter and disclosed in the accompanying drawing wherein there is shown a preferred embodiment of this inventive concept.

In the drawing:

Figure 1 is a perspective view disclosing the completely assembled stand in operative position.

Figure 2 is an end elevational view of the device in Figure 1, disclosed in folded position.

Figure 3 is a side elevational view of the device as assembled in a carrying case, and

Figure 4 is an end elevational view of the case disclosed in Figure 3.

Similar reference characters refer to similar parts throughout the several views of the drawings.

Having reference now to the drawing there is generally disclosed at 10 two separable base members, from each of which extend suitable uprights 11, the uprights being adapted to be inclined towards each other, and terminating in transverse top bars 12.

The two central uprights 11' on each side are provided in their upper extremities with sleeves forming sockets or collars 13 and are preferably characterized by hollow tubing or the like, which extend below the sockets 13.

Extending members 14 are threadedly secured in each of the sockets 13, and may be secured in any desired manner at their upper extremities to a camera or the like 15.

Secured in horizontal relation, across the framework comprised of each of the members 10, 11 and 12 is a member 16, comprising a reflector,

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adapted to contain a light 17 of any desired sort, such as a fluorescent tube, and supplied with current from any desired source (not shown). The members 16 are secured to the uprights 11' as by means of sleeves or straps 18, and engage such supports frictionally, in such manner that they may be readily adjustable upwardly or downwardly as desired to produce the desired degree of illumination.

A base cloth 20 is provided and is adapted to be secured at its opposite extremities to the base members 10. If desired, suitable centering lines, graduated as may be necessary, designated by the reference numeral 21 may be provided upon the base cloth 20.

From the foregoing the mode of use and operation of the device should now be readily understandable. When it is desired to utilize the same the parts are adjusted to the position shown in Figure 1, the article to be copied is placed from the base cloth directly below the camera 15. The lights 17 are illuminated, and such exposures as may be necessary are made.

When it is desired to transport the device from place to place the same may be folded to the position disclosed in Figure 2, the base cloth being removed, or alternatively folded upwardly between the extremities of the frame members 11, and the device positioned in a carrying case 22, provided with a handle 23 whereby the same may be readily transported from place to place. The carrying case 22 is so designed that if desired the camera may be secured in semi-permanent manner to the members 14 and encompassed within an offset portion 24 adjacent one end of the case.

In the foregoing the members 14 have been described as threadedly engaging the members 13, however it will be understood that they may be readily manufactured to slide telescopically therewithin, any suitable securing means being provided for holding them in place, such as conventional set screws (not shown).

Correspondingly, while the device of the instant invention has been described particularly as a portable stand for folding cameras, for the purpose of reproduction of objects by such cameras, it is to be understood that it may be equally adaptable to other uses, such as for example as a projecting stand for portable moving or still picture projectors, reading projectors and the like.

Now it will be seen that there is herein provided an improved portable stand, which accomplishes all the objects of this invention and others

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including many advantages of great practical utility and commercial importance.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, and it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

1. A portable stand including a cross piece, a pair of legs hinged at one end thereto, a sheet of pliable material secured to and extending between the other ends of said legs, reflectors mounted upon the adjacent surfaces of said legs, lights in said reflectors, said cross piece comprising an article-supporting means carried by the upper ends of said legs.

2. A portable stand including a cross piece, a pair of legs hinged at one end thereto, a sheet of pliable material secured to and extending between the other ends of said legs, reflectors mounted upon the adjacent surfaces of said legs, lights in said reflectors, said cross piece comprising an article-supporting means carried by the upper ends of said legs, said legs each constituting a grill consisting of longitudinally extending side bars and a pair of parallel intermediate bars therebetween, all of said bars being connected by cross rails at the extremities of said side bars, the intermediate bars having telescoping extensions at their upper ends constituting said article-supporting means.

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3. A portable stand including a cross piece, a pair of legs hinged at one end thereto, a sheet of pliable material secured to and extending between the other ends of said legs; reflectors mounted upon the adjacent surfaces of said legs, lights in said reflectors, said cross piece comprising an article-supporting means carried by the upper ends of said legs, said legs each constituting a grill consisting of longitudinally extending side bars and a pair of parallel intermediate bars therebetween, all of said bars being connected by cross rails at the extremities of said side bars, the intermediate bars having telescoping extensions at their upper ends constituting said article-supporting means, said reflectors being secured to said intermediate bars intermediate their ends.

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