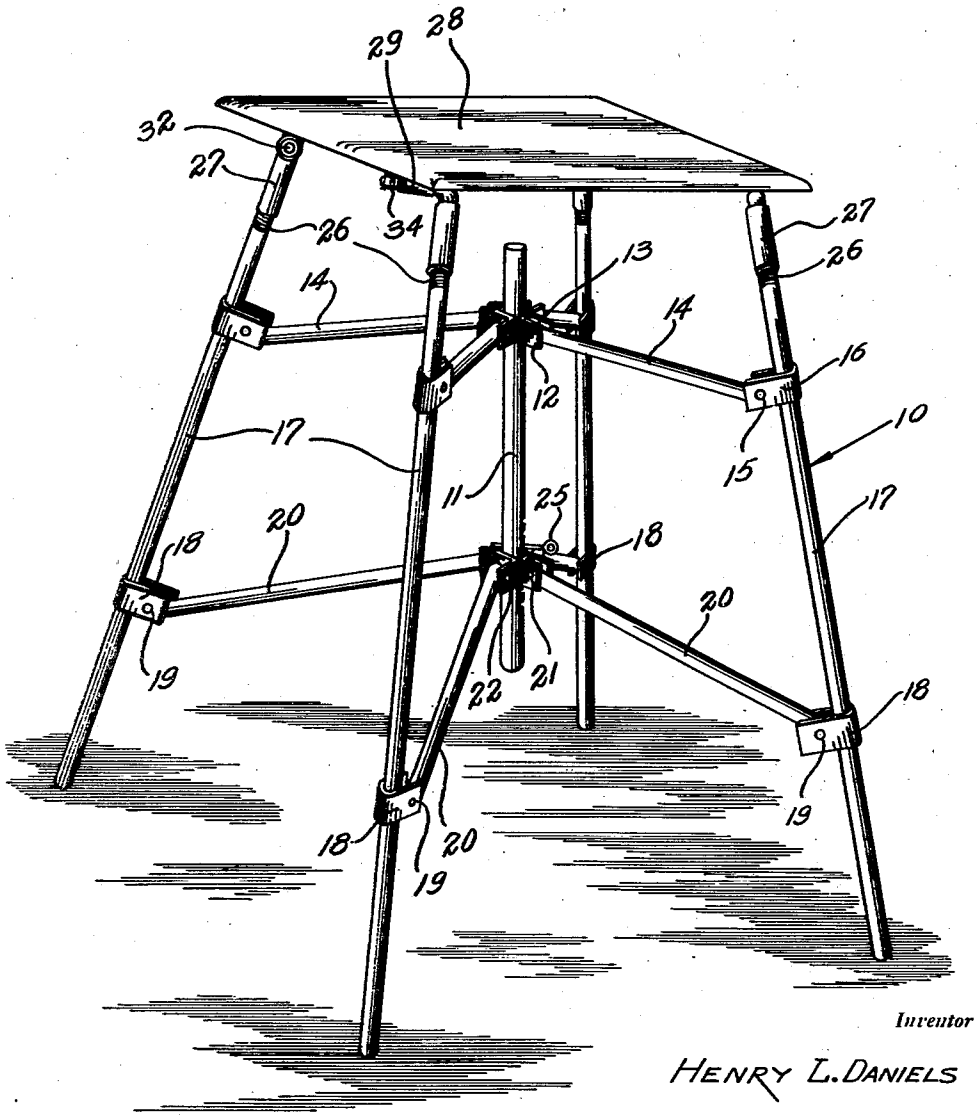
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PORTABLE PROJECTOR TABLE

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Fig. 1



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Fig. 2

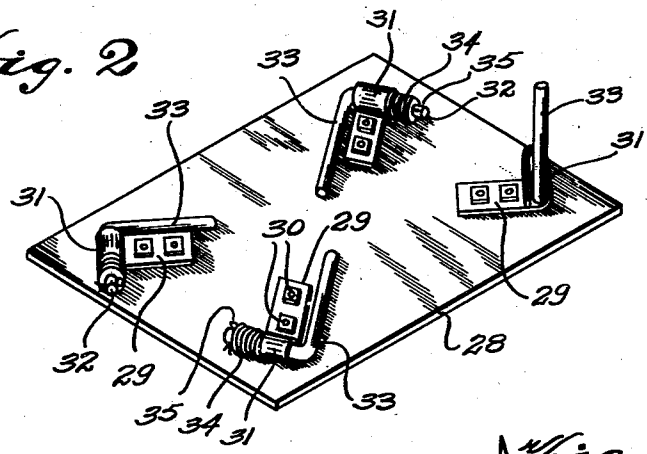


Fig. 3

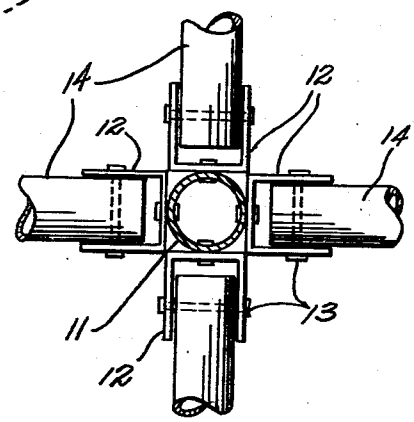


Fig. 5

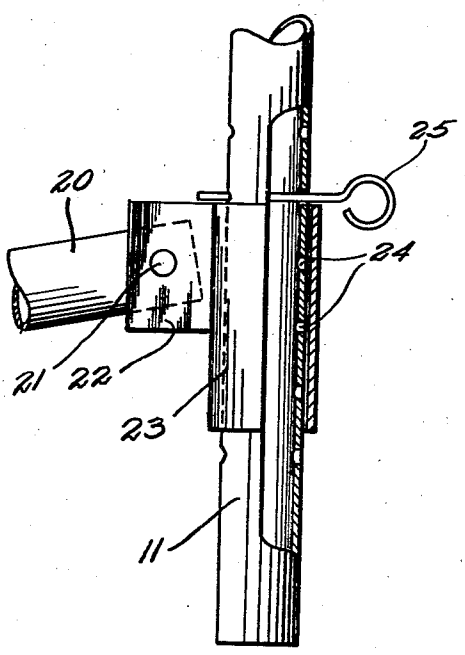
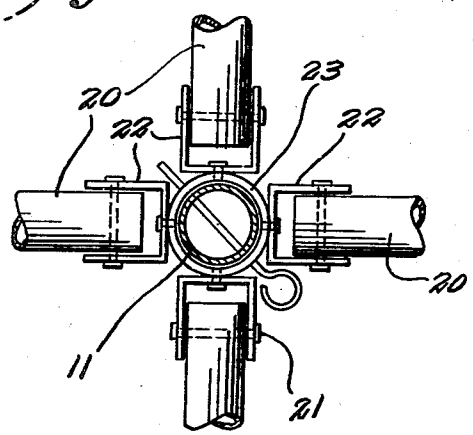


Fig. 4



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2,455,408

PORTABLE PROJECTOR TABLE

Henry L. Daniels, Kell, Ill.

Application December 12, 1945, Serial No. 634,567

2 Claims. (Cl. 311—79)

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This invention relates to a portable table and has for its primary object to support motion picture projectors, stereopticons and the like.

Another object is to facilitate the transportation of the table and yet permit it to readily be set up for use.

A still further object is to insure the supporting of the projector or stereopticon level so as to avoid distortion of the pictures being projected.

Among its features my invention embodies a stand comprising a center post having arms radiating therefrom and legs at the ends of the arms, the arms being arranged to be folded against the center post in parallel relation therewith so as to move the legs toward the center post and permit them to lie in parallel relation thereto for transportation purposes, a top member forming the table top and lugs pivoted to the underside of the top member which are adapted to be projected downwardly therefrom and enter the upper ends of the legs in telescopic engagement therewith rigidly to support the table top in position on the legs.

Other features include levelling sleeves threadedly connected to the upper ends of the legs by adjustment of which the table top may be brought into a level condition.

In the drawings:

Figure 1 is a perspective view of a table embodying the features of this invention,

Figure 2 is an inverted perspective view of the table top,

Figure 3 is a fragmentary enlarged sectional view taken substantially on the line 3—3 of Figure 1,

Figure 4 is a view similar to Figure 3 taken substantially on the line 4—4 of Figure 1, and

Figure 5 is an enlarged fragmentary view of the center post and the sleeves, showing portions in section to more clearly illustrate the details of construction.

Referring to the drawings in detail my improved table comprises a stand designated generally 10 which is formed of a center post 11 having riveted welded or otherwise permanently secured near its upper end a plurality of yokes 12 each of which is provided with a pivot pin 13 to support radiating arms 14, the outer ends of which have pivoted thereto as at 15 yoke members 16 which are fixed to legs 17 in any suitable manner.

The legs 17 have attached near their lower ends yokes 18 similar in construction to the yokes 16 and pivoted as at 19 to the yokes 18 are inwardly extending radial arms 20 the inner ends of which

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are pivoted as at 21 to yokes 22 which in turn are rigidly mounted to a sleeve 23 which is slidably mounted on the post 11 near its lower end. Formed in the post 11 near its lower end are diametrically opposed rows of vertically spaced openings 24 for the reception of the shank of a stop pin 25 which serves to limit the upward movement of the sleeve 23 with relation to the center post 11 when the stand is in extended position. Formed adjacent the upper end of each leg 17 are screw threads 26 and threaded thereon are sockets 27 which serve as the leveling means for the table top to be more fully hereinafter described.

The table top above referred to comprises a top member 28 to which attaching brackets 29 are secured in any suitable manner as by bolts 30. The attaching members 29 are provided with barrels 31 for the reception of rotating shafts 32 each of which carries at one end an angularly extending stud 33 which when the shafts are rotated are adapted to enter the sockets 27 previously referred to to support the table top in place on the stand 10. Surrounding the end of each shaft 32 opposite that carrying the stud 33 is a compression coil spring 34 one end of which abuts the end of the barrel 31 while the opposite end abuts a suitable cross-pin 35 which extends through the shaft 32 adjacent the end opposite carrying the stud 33.

In use the stand 10 is extended as illustrated in Figure 1 with the sleeve 23 moved downwardly on the center post 11 and held in such position by means of the pin 25 extending through aligned openings 24. The studs 33 are turned downwardly and are entered into the sleeves 27 which may be adjusted on the screw threads 26 to level the table and compensate for any irregularities in the floor on which the stand 10 may rest. The projection machine or stereopticon may then be mounted on the upper surface of the table top and the projection of the pictures may proceed in the ordinary manner. When it is desired to transport the table, the top 28 is removed by extracting the studs 33 from their telescopic engagement with the sockets 27 and the studs 33 are then folded down into the position illustrated in Figure 2 so that they will lie flat against the underside of the table top and the top is ready for transportation and will occupy a minimum amount of space. Having removed the table top from the stand 10 the pin 25 is extracted from the openings 24 thus allowing the sleeve 23 to move upwardly on the post 11 and permitting the arms 14 and 20 to move about their respective

pivots into a position substantially parallel with the post 11 which will simultaneously move the legs 17 inwardly so that they will lie parallel with the post 11 in a compact bundle ready for transportation.

From the foregoing it will be evident that a conveniently transportable table is provided which may readily be set up for operation and with equal facility folded into compact form.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination, and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What I claim is:

1. A folding table comprising a table top, a group of legs having adjustable sockets at their upper ends, a group of arms pivoted to the legs near the sockets, said arms lying along axes which lie in convergent planes, a center post pivoted adjacent its upper end to the convergent ends of the arms, a sleeve mounted on the center post to slide longitudinally thereof below the convergent ends of the arms, a second group of convergent arms pivoted at their convergent ends to the sleeve and at their divergent ends to the legs, said second group of arms being movable through arcs which lie in convergent planes coincident with the arcs in which the first group of arms move and spaced studs pivoted to the underside of the table top to swing in arcs which lie tangent to the center post, said studs being received in the sockets when the table is erected.

2. A folding table comprising a table top, a group of legs having adjustable sockets at their upper ends, a group of arms pivoted to the legs, said arms lying along axes which lie in convergent planes, a center post pivoted adjacent its upper end to the convergent ends of the arms, said post having a longitudinal row of longitudinally spaced openings extending therethrough, a sleeve mounted on the center post to slide longitudinally thereof below the convergent ends of the arms, a second group of convergent arms pivoted at their convergent ends to the sleeve and at their divergent ends to the legs, said second group of arms being movable through arcs which lie in convergent planes coincident with the arcs in which the first group of arms move, a cross pin extending through one of the openings in said row to limit the approach of the sleeve toward the table top and spaced studs pivoted to the underside of the table top to swing in arcs which lie tangent to the center post, said studs being received in the sockets when the table is erected.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,166,700	McDaniel	Jan. 4, 1916

FOREIGN PATENTS

Number	Country	Date
220,681	Germany	Apr. 5, 1910
358,638	Germany	Nov. 18, 1921