

Jan. 27, 1925.

1,524,630

E. A. OVERSTEDT

TABLE

Filed Dec. 24, 1921

2 Sheets-Sheet 1

Fig. 1.

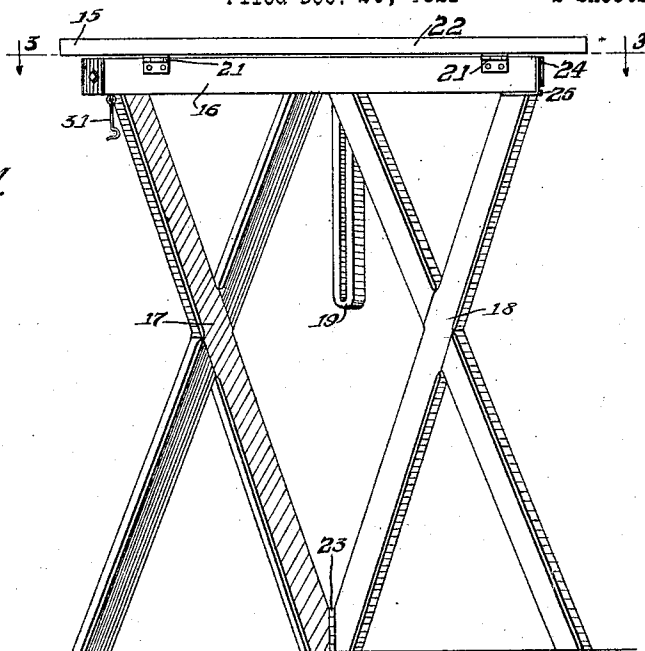


Fig. 2.

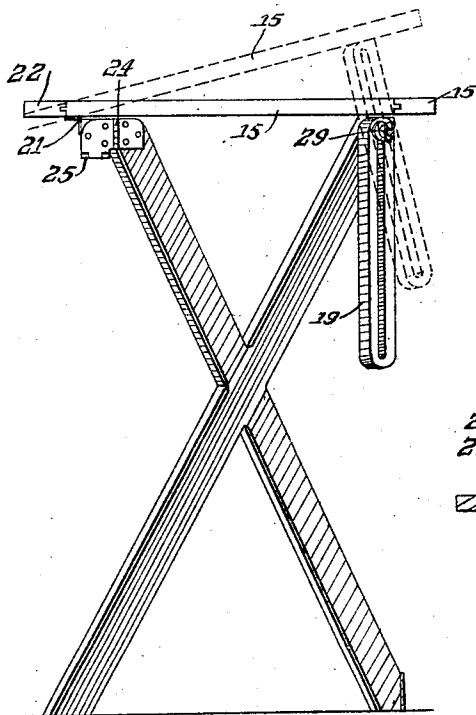
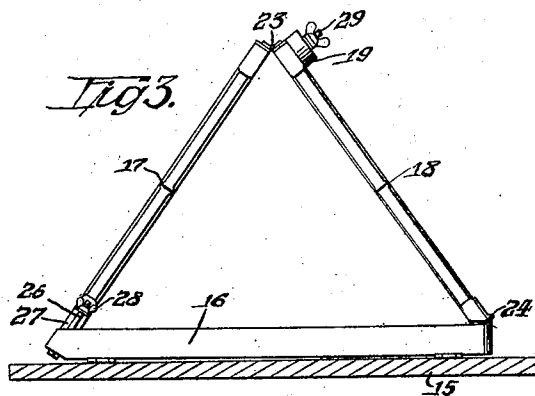


Fig. 3.



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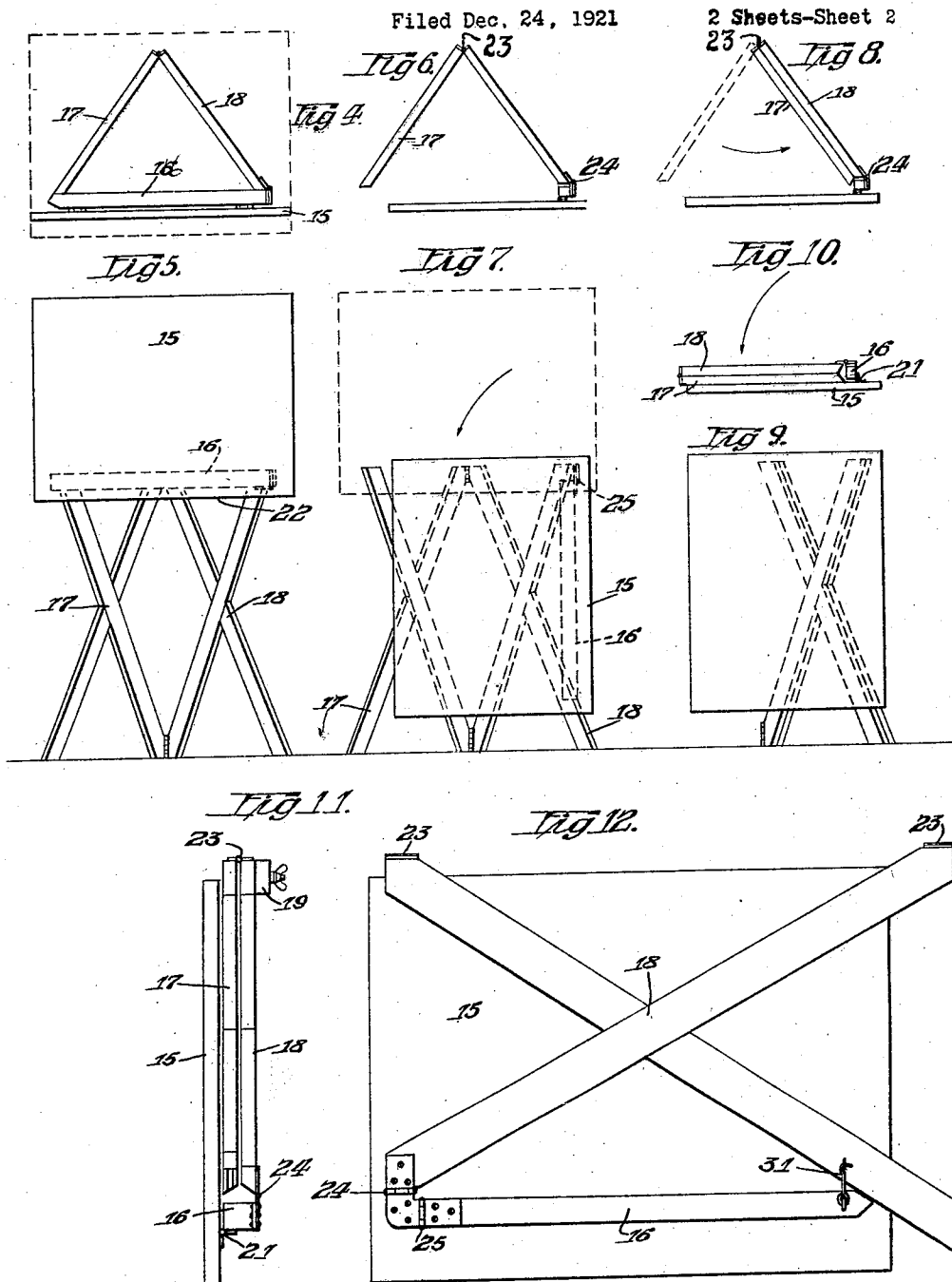
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TABLE

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

ERNEST A. OVERSTEDT, OF ROCKFORD, ILLINOIS.

TABLE.

Application filed December 24, 1921. Serial No. 524,661.

To all whom it may concern:

Be it known that I, ERNEST A. OVERSTEDT, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Tables, of which the following is a specification.

This invention relating in general to furniture, has more particular reference to tables of the adjustable folding type.

The primary object is to provide a work table having a top adjustable from a horizontal to any of various inclined positions adapted for drafting, painting and a wide range of uses, and designed in a novel manner particularly desirable for these uses.

My invention also aims to provide a table which may be folded or collapsed to a very compact bundle to facilitate transportation and storage.

Still another object is to provide a table of the character described, the leg members of which are constructed and arranged in such novel manner as to require little floor space, give ample foot room and provide a very rigid and stable support for the top. More particularly, my invention provides but two leg members permanently associated with the table top and adapted to be quickly and easily converted from the folded to the operative position, and when in the folded or collapsed position to constitute with the table top a very compact parcel for convenience in storage, transportation and handling.

A further object is to provide a table such as described, comprising but comparatively few parts designed so that the table may be produced at a low cost.

Other objects and attendant advantages will be appreciated by those familiar with this art as the invention becomes better understood by reference to the following description when considered in connection with the accompanying drawings, in which—

Figure 1 is a front elevation of a table embodying my invention;

Fig. 2 is a side view looking at the right hand side of Fig. 1;

Fig. 3 is a plan view taken on the line 3—3 of Fig. 1, but showing the table top moved to a vertical position;

Figs. 4 and 5, are diagrammatic related views, the former a plan and the latter a

front elevation showing the top raised to the vertical position;

Figs. 6 and 7 are diagrammatic related views showing the second operation in collapsing the table;

Figs. 8 and 9 are diagrammatic related views showing the third operation;

Fig. 10 is a diagrammatic view showing the fourth and final folding operation; and

Figs. 11 and 12 are end and bottom views showing the table in the folded condition.

The table comprises generally stated, the following elements, namely, a table top 15, a top-supporting member 16, two leg members 17 and 18 and a leg extension 19 for adjusting the table top to different angles. The top 15 of any size or shape, is hinged at 21 to the member 16, which it will be noted is located beneath the top adjacent to the front edge 22 thereof. The hinges 21 are arranged so that the top 15 may be swung upwardly to a vertical position at the front of the member 16. The leg members 17 and 18 are duplicates and may be either in the form shown comprising crossed leg elements or may be in any form providing a relatively broad base and top, such for example as rectangular form. These leg members are hingedly connected together at 23 at their top and bottom ends. There is a double-hinge connection between the upper front end of the leg member 18 and the top supporting member 16 effected in the present instance by a pair of hinges providing a vertical pivot 24 and a horizontal pivot 25, assuming the parts in the operative position shown in Figs. 1 and 2. The leg member 17 is adapted to be detachably secured at its upper forward end to the end of the top supporting member 16 opposite from the connection with the leg member 18. To this end, I equip the member 16 with a bolt 26, the rearwardly projecting end of which is adapted to be located in a slot 27 in the upper end of said leg member 17 and is equipped with a wing nut 28 adapted to bear against a shoulder on said leg member for fixedly securing the latter to the member 16, as shown in Fig. 3. To the rear end of one of the leg members is connected by means of a wing nut and bolt 29, a slotted extension 19 mentioned above.

From the foregoing it will be manifest that when the parts are in the operative position shown in Figs. 1 and 2, the leg mem-

bers have a three-point support on the floor and provide a three-point support for the table top; and inasmuch as each leg member is a rigid unit and each is rigidly secured at its upper end in connection with the table top, the latter will be supported in a very substantial and stable manner. By reason of the V-shape relation of the leg members, there is ample foot and knee room to allow the user to sit close to the table, as is desired especially when the table is used for work purposes. In order to incline the table top to suit different requirements, it is only necessary to slide the extension 19 upwardly and lock it in any adjusted position by means of the thumb nut 29. In such adjusted position the table top will be supported as rigidly as in the horizontal position, and the front edge of the table top by reason of the location of its supporting hinges 21 will not be shifted vertically any appreciable distance by such adjustment.

In order to collapse or fold the table to a compact parallel, the following operations will be performed. The first, shown in Figs. 4 and 5, is to swing the rear end of the table top upwardly on the hinges 21 to a vertical position. The second operation, shown in Figs. 6 and 7 consists in detaching the members 16 and 17 by loosening the thumb nut 28 and in swinging the table top downwardly about the pivot 25 in a counter-clockwise direction, to a lowermost position clearly shown in Fig. 7. The next operation is to swing the leg member 17 on the hinges 23 into parallel relation with the leg member 18 as shown in Figs. 8 and 9; and the fourth operation consists in swinging the leg members and the member 16 on the hinges 21 into parallel relation to the table top 15, as shown diagrammatically in Fig. 10 and in detail in Figs. 11 and 12. The leg members may be secured in this collapsed position against accidental displacement by means of a suitable latch 31. To set up the table these operations may be repeated in inverse order.

It is believed that the foregoing conveys a clear understanding of the objects prefaced above, and while I have illustrated but a single working embodiment, it should be understood that considerable change might

be made in details of construction without departing from the spirit and scope of the invention as expressed in the appended claims.

I claim:

1. A folding table comprising a table top, a top support hinged to the underside of said top, a pair of leg members each having a relatively broad base and top and pivotally connected together at their rear ends and adapted to be swung on said pivot to and from open and closed positions providing in the open position a three-point support, one of said leg members being pivotally connected at its front top end to one end of said top support, and means for detachably connecting the front top end of the other leg member to the opposite end of said top support.

2. A table of the character described comprising a table top, a top support pivoted to the underside of the table top adjacent to the front thereof, and two leg members pivotally connected together at one end, one pivotally connected to one end of said top support and the other adapted to be detachably connected to the opposite end of said top support, said leg members adapted to be folded on their respective hinges and upon that of said top supporting member into parallel relation to each other and to the table top.

3. A table of the character described comprising a table top, a top supporting member hinged to the underside thereof, a pair of leg members each having a relatively broad base and top and hingedly connected together at one end so that they may fold into and out of V-shape relation, one of the leg members having a double-hinge connection with one end of said top-supporting member, and the other leg member having a detachable connection with the opposite end of said top-supporting member, the last mentioned leg member when detached being foldable on its hinge connection into parallel relation to the other leg member, and the table top being foldable on its hinge and said double-hinge connection into parallel relation to the leg members.

ERNEST A. OVERSTEDT.