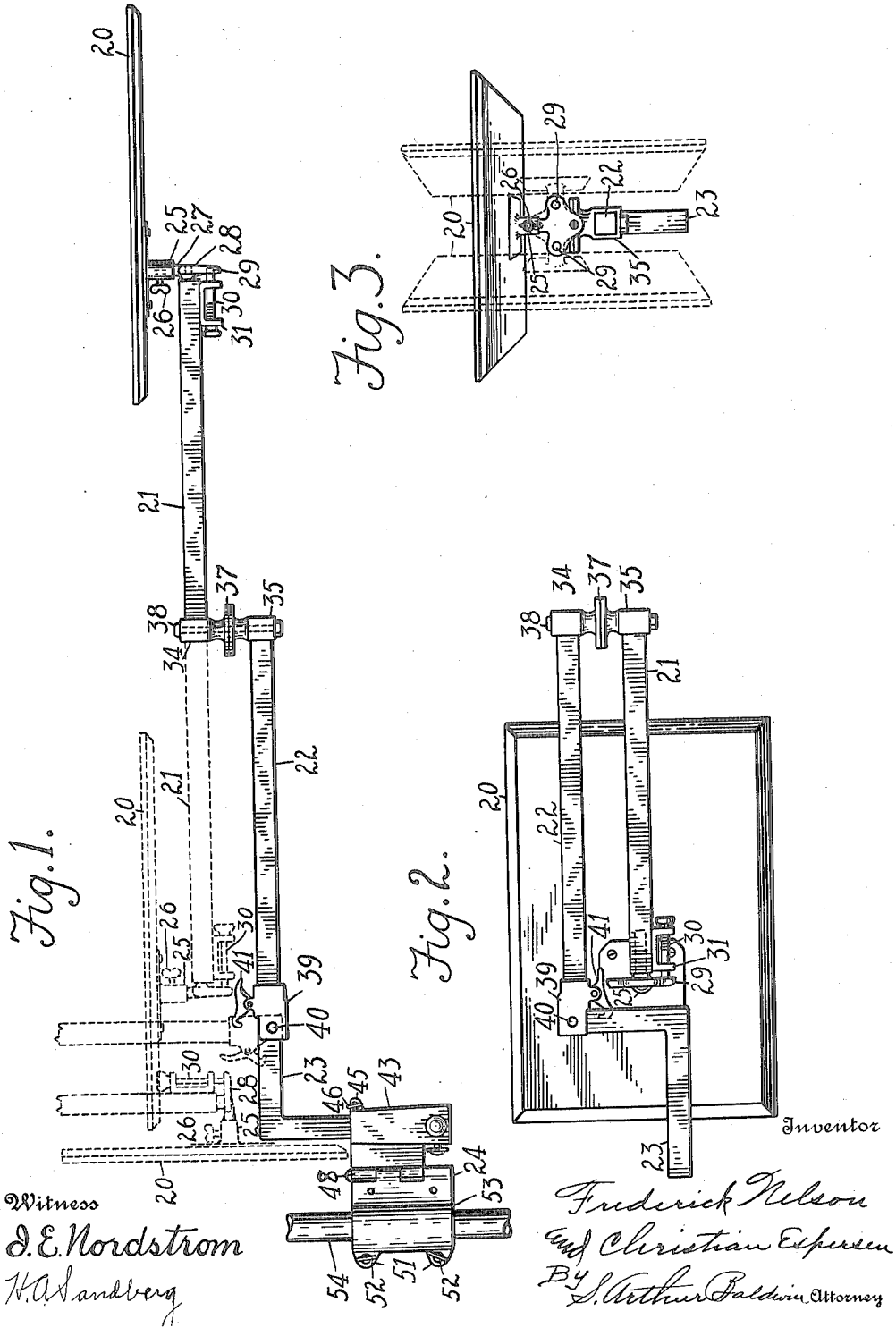


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FOLDING BRACKET TABLE.  
APPLICATION FILED MAY 31, 1918.

1,283,869.

Patented Nov. 5, 1918.  
3 SHEETS—SHEET 1.



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Fig. 4.

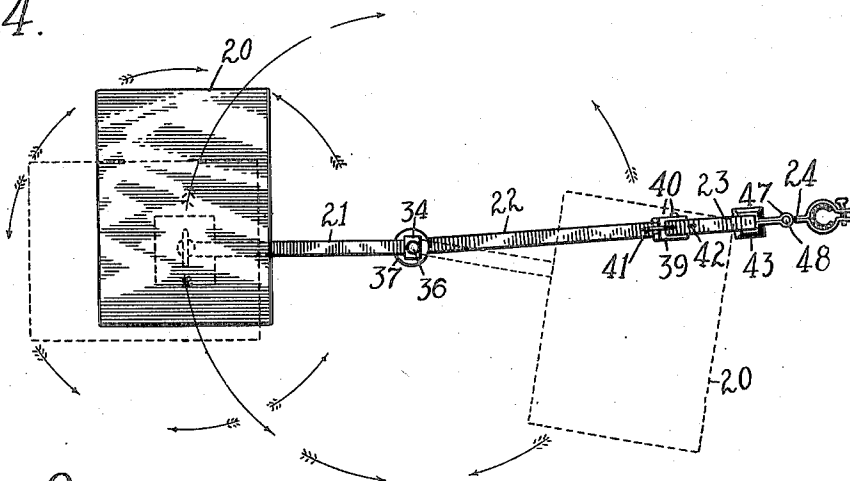


Fig. 9.

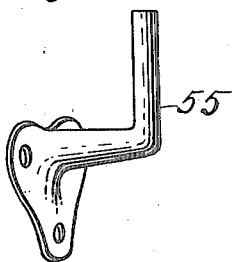


Fig. 5.

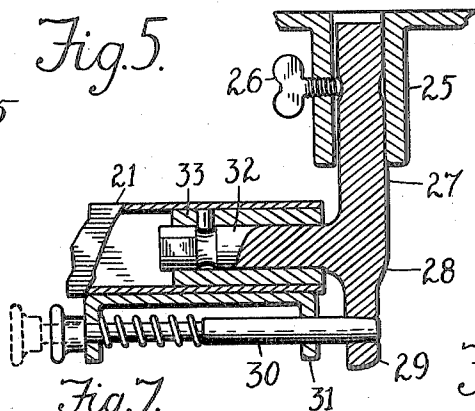


Fig. 6.

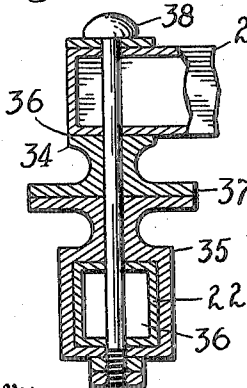


Fig. 7.

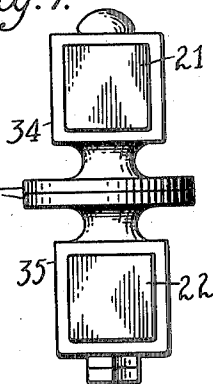
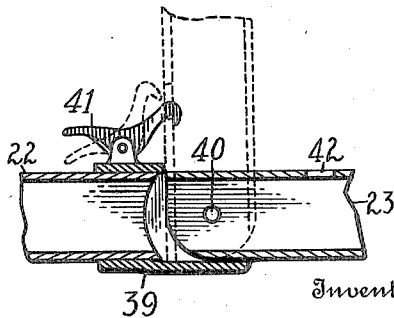


Fig. 8.



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Fig. 10.

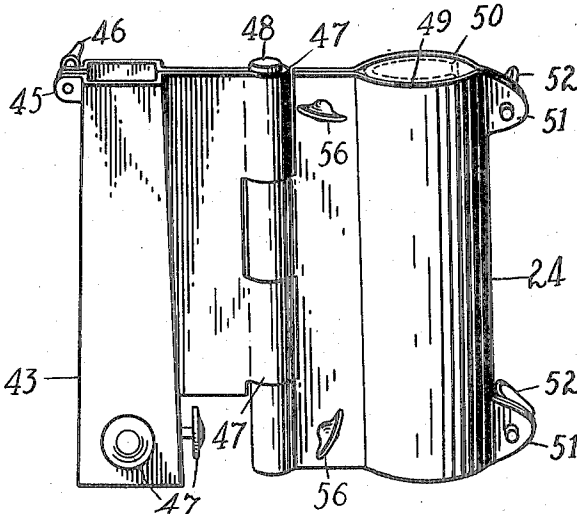


Fig. 12.



Fig. 11.

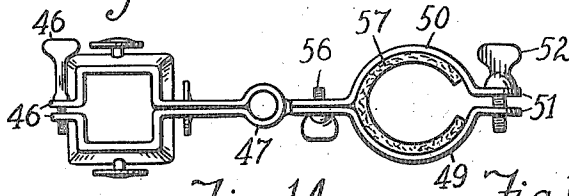


Fig. 13.

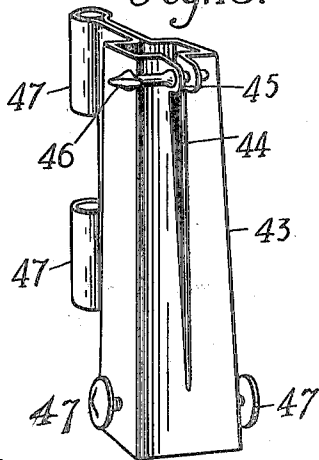


Fig. 14.

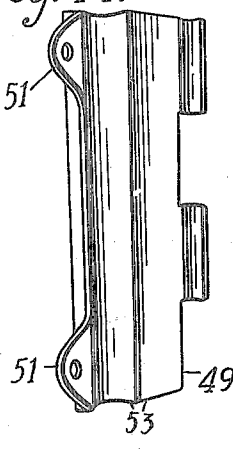
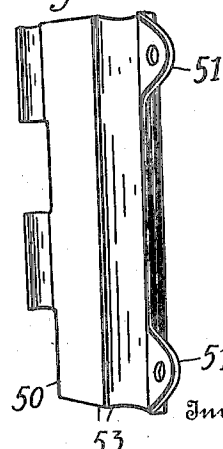


Fig. 15.



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# UNITED STATES PATENT OFFICE.

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## FOLDING BRACKET-TABLE.

1,283,869.

Specification of Letters Patent.

Patented Nov. 5, 1918.

Application filed May 31, 1918. Serial No. 237,378.

*To all whom it may concern:*

Be it known that we, FREDERICK NELSON and CHRISTIAN ESPERSEN, citizens of the United States, residing, respectively, at the city of Jamestown, in the county of Chautauqua and State of New York, and borough of Warren, county of Warren, State of Pennsylvania, have invented certain new and useful Improvements in Folding Bracket-Tables, of which the following, taken in connection with the accompanying drawings, is a specification.

The invention relates to folding tables and particularly to those which are adjustably supported on bracketed arms; and our improvement consists in providing a bracketed arm which may be adjustably supported upon a bed or chair or similar article of furniture or upon the wall or any flat surface adjacent to a bed or chair, said bracketed arm being provided with adjustable joints which hold the table firmly in position with the arm extended and at the same time providing for the complete folding of the arm against the wall, bed or chair by mechanism which permits the quick return of the table to the horizontal position for use; and the invention consists in the novel features and combinations hereinafter set forth and claimed.

In the drawings, Figure 1 is a side elevation of the folding bracket table in the extended position showing the construction of the same as attached to a vertical rod or pin as, for example, upon a bracket or metallic bedstead; two of the folded positions for the table being shown in dotted outline. Fig. 2 is a plan view of the underside of the bracket table in the folded position; and Fig. 3 is an end elevation of the bracket showing the table in position thereon and in dotted line the folded position for the table section either at the right or left of the bracket arm. Fig. 4 is a top plan view of the folding bracket table showing by arrows some of the different ways in which the table and bracket arm may be turned or folded. Fig. 5 is a sectional lengthwise view of the bracket arm joint for attaching the table thereto. Figs. 6 and 7 show sectional and end elevations of the central supporting joint of the bracket arm which permits the turning or folding of said arm yet holds it firmly in line. Fig. 8 is a sectional view of the joint in the bracket

arm adjacent the angular section of said arm 55 showing the spring catch and opening in the adjacent straight section which holds said parts in angular relation to one another when folded. Fig. 9 is an elevation of the wall bracket for supporting the hinge portion of 60 the bracketed arm. Fig. 10 is a side elevation of the hinge portion of the bracketed arm showing the adjustable construction and arrangement of the same; and Fig. 11 is a top plan view of the upper end 65 of said hinge portion. Fig. 12 is an elevation of the hinge pin; and Figs. 13, 14 and 15 show perspective views of the different portions of the adjustable hinge section of the bracket arm showing the construction and 70 arrangement of the same.

Like characters of reference refer to corresponding parts in the several views.

The folding bracket table consists of the table portion which is designated by the numeral 20, the supporting arm section 21, the intermediate section 22, the angular arm section 23, and the hinge section 24.

A socket piece 25 is provided off center or near to one end of the table 20 so that the longer end of the table may extend out over the lap or bed of the user, which socket 25 is provided with a set screw 26 to receive and fasten therein the grooved pintle 27 on the angular adjusting plate 28, said plate having side extensions and three holes or more 29 therein to receive the spring pin 30, which pin is adjustably supported in the double bracket 31 on the underside of the end of the arm section 21. The end of the arm section 21 is plugged at 33 and the pin 32 on the angular part 28 is revolubly mounted in said plugged end of the arm section 21, the pin 32 being round and having a pin and slot connection with the plug to hold it firmly, 95 though removably, in position inside the plugged end 33.

This arrangement permits turning the table 20 from the horizontal position to the vertical folded position at either the right or left side of the arm 21 and being locked in said folded positions by means of the spring pin 30 in the holes 29 of the angular plate 28; the spring pin 30 permitting quick return of the table to the horizontal position and locking therein. 105

The sections 21 and 22 of the bracket arm are foldably united to one another by means

of the clips 34 and 35, each of which has an opening 36 therein to receive the end of the sections 21 and 22; the opposing portions of the clips 34 and 35 being disk shaped and flattened to form a broad strong joint 37 which is firmly held by means of the bolt 38, which extends through the clips 34 and 35 and the ends of the arms 21 and 22. This arrangement permits turning the arms 21 and 22 in relation to one another in either direction yet holds them in perfect alinement.

The intermediate section 22 is attached to the angular arm section 23 by means of the socket piece or union 39. The socket piece or union 39 is arranged with an opening in one end to attach the tubular arm section 22 therein and the other end has one side open so as to pivotally attach by means of a pin or bolt 40 to the end of the angular section 23 to allow turning section 22 to the raised position. A spring catch 41 is provided on the socket piece 39 which engages in an opening 42 near the end of the angular section 23 so as to hold the intermediate section 22 in the angular or raised position as shown in Figs. 1 and 8 thereby permitting the folding of the arm and table against the bed head or wall.

The sections 21, 22 and 23 are preferably made of rectangular shaped tubing, though round tubing would not depart from our invention. However the arm is more easily held rigid with the angular tubing, which is accordingly shown. The end of the angular tubular arm section 23 is received in the squared portion 43 of the hinge section 24 which squared portion is preferably made smaller at the top than at the bottom and has the split portion 44 with the lugs 45 and set screw 46 as shown in Figs. 10 and 13 which permit clamping said upper end of the part 43 onto the end of the angular arm portion 23. The lower end of the part 43 is enlarged to receive the set screws 47 in the opposite sides of said portion 43 in order to adjust the level of the bracketed arm and table by adjusting the position of the angular section 23. This simple arrangement renders it possible to adjust and hold the table 20 in perfect horizontal alinement.

The portion 43 is provided with spaced hasps to receive the pintle 48 therethrough attaching through the hasps formed by the two portions 49 and 50, which portions 49 and 50 are provided with opposing lugs 51 on each part and set screws 52, the portions 53 of the parts 49 and 50 adjacent the lugs 51 are curved outwardly so as to receive therebetween the standard 54 of a bed head or pintle 55 of a bracket for attaching to a flat surface, said screws 56 being provided near the top and bottom of the parts 49 and 50 to attach said parts to one another around

a supporting pintle or standard, the interior of the portion 53 being lined with suitable felt or other packing 57 to avoid marring or to hold said parts 53 firmly upon the pintle or standard.

It is now apparent that the sections of the folding bracket arm may be quickly and easily assembled as hereinbefore described and the table 20 attached upon the pintle 27 by means of set screws 26, the adjustable hinge section 24 permitting attachment to a standard or bracketed pintle 54 or 55, the entire arm in its extended position being adjusted or leveled to the horizontal plane by means of the set screws 47 in the enlarged lower end of the portion 43 thereby holding the tubular end of the angular section 23 firmly in position in said leveled alinement; and that the sections 21, 22 and 23 permit the folding of the table 20 into the different positions illustrated in Figs. 1, 3 and 4, and when so folded said table is entirely out of the way thereby preventing marring or interference therewith yet is in convenient position for immediate use.

We claim as new:—

1. A folding bracket table comprising a folding bracket arm, a table rotatably mounted on the outer end of said folding bracket arm, a clamping hinge support comprising a portion having a clamping opening therethrough enlarging downwardly, leveling set screws through the side walls of the lower end of said opening to adjust said folding arm and table to a horizontal position, and means on the other portion of said hinge support for attachment to a suitable support.

2. A folding bracket table comprising straight bracket arm sections hinged to one another with a flat disk shaped contact joint to hold said arms in alinement, a table section rotatably mounted on one end of said sections with means for locking said table section in different positions, a substantially right angle arm section attached to the other end of said straight folding sections and hinged thereto to permit the upward folding of said straight arm sections and table, a spring catch for holding said straight arm and table section in the upwardly folded position, a hinge section having an opening in one portion to clampingly receive the downwardly extending end of said angular section, and means for leveling said arm section on said hinge section, the other portion of said hinge section consisting of two clamping plates and set screws for attachment to a suitable support.

3. In a folding bracket table, a folding arm, a table borne by the arm, a support for the arm including a member having a vertical opening flared at one end, a member borne by the arm and extending into the opening, and means to adjust said arm mem-

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ber laterally of the flared end of the opening so as to enable leveling of the table to and securement in a horizontal position.

4. In a folding bracket table, a support 5 having an opening, a table having an arm one end of which engages in said opening, means to shift said end of the arm laterally in said opening to thereby allow the table to be leveled to a horizontal position, and separate shifting means to hold said end of the 10 arm in rigid engagement with said first named shifting means.

5. In a folding bracket table, a support 15 having an opening flared at one end, a table having an arm one end of which latter engages in said opening, a series of set screws adjacent the flared end of the opening engaging respective sides of the arm to shift the latter in the opening to thereby allow 20 leveling of the table, and means to clamp the other end of the support to the arm to hold the latter in its leveled position.

6. In a folding bracket table, an inverted 25 L-shaped arm, means to support said arm with one leg thereof vertical, a table, foldable means to support the table, and means to connect the foldable means to the horizontal leg of the L-shaped arm so as to allow the table to lie approximately vertical and to 30 the rear of the vertical leg and to project in part below the horizontal leg of the L-shaped arm and with the foldable means disposed between the ends of the horizontal leg of the L-shaped arm.

7. In a folding bracket table, a pair of 35 arms, means to connect said arms to allow same to be moved to lie parallel, a table borne

by the outer end of one arm, a support for attachment to a relatively fixed point, and a 40 member borne by the support, and means to pivotally connect the outer end of the other arm to said member to allow the two arms to be moved to occupy a substantially vertical position, said member being spaced from the support so as to allow the table when vertical 45 to lie between the member and support.

8. In a folding bracket table, an L-shaped 50 arm, means to support said arm with one leg thereof vertical, a table, foldable means to support the table, and means to pivotally connect said foldable means to the horizontal leg of said L-shaped arm so as to allow the table to lie approximately vertical and between the vertical leg of the L-shaped arm 55 and said support.

9. In a folding bracket table, a supporting member having a horizontal opening, a spring pressed horizontally slidable pin carried by the member, a table having a depending socket, and a substantially T-shaped 60 member the leg of which is turnably received in said horizontal opening, the upper arm of the T-shaped member engaging in the table socket to support the table and the other arm of the T-shaped member being provided 65 with a series of openings to receive the slidable pin.

In testimony whereof we have affixed our signatures in the presence of two witnesses.

FREDERICK NELSON.  
CHRISTIAN ESPERSEN.

Witnesses:

H. A. SANDBERG,  
I. E. NORDSTROM.