Aug. 23, 1955 R. P. OVERBY 2,716,044

FOLDING WALL TABLE

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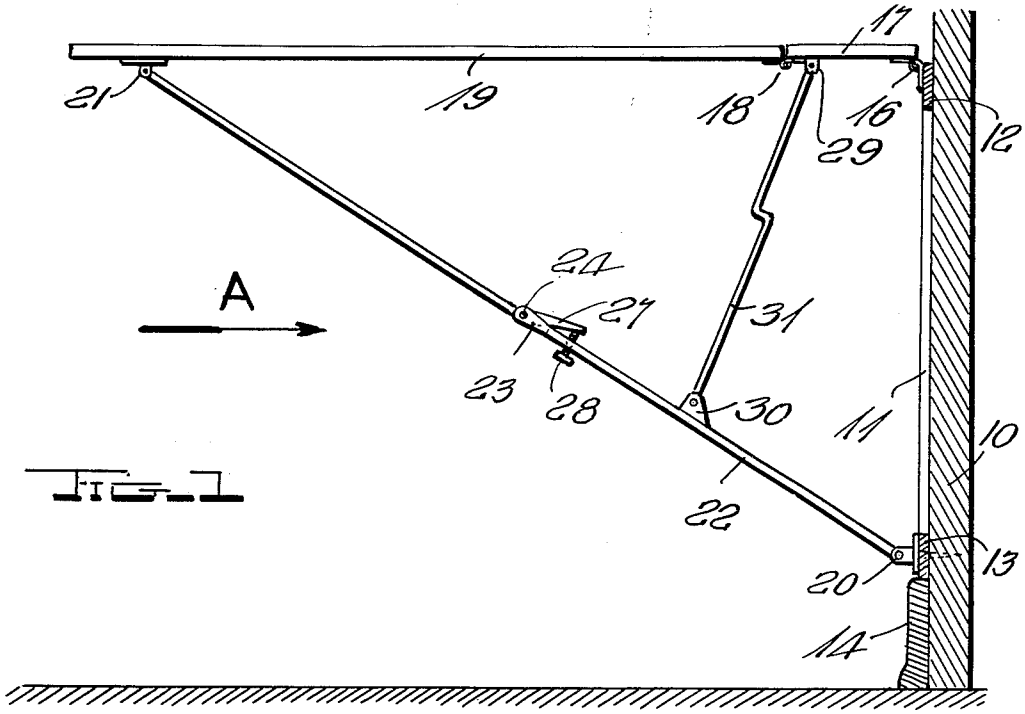


FIG. 1

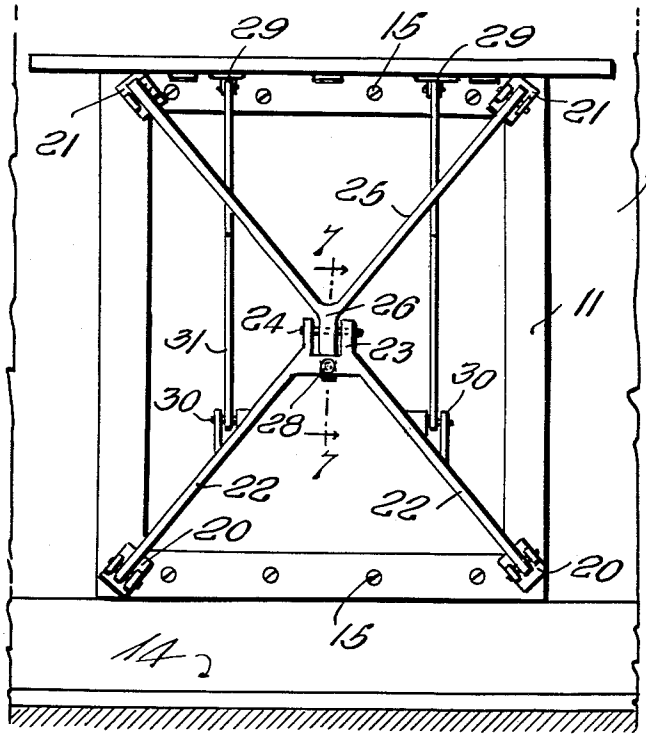


FIG. 2

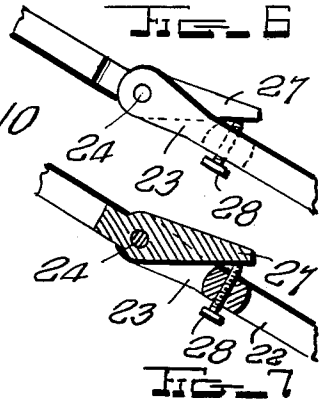


FIG. 6

FIG. 7

INVENTOR,
ROY P. OVERBY,

BY E. E. Vrooman & Co.,
ATTORNEYS

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FIG. 3

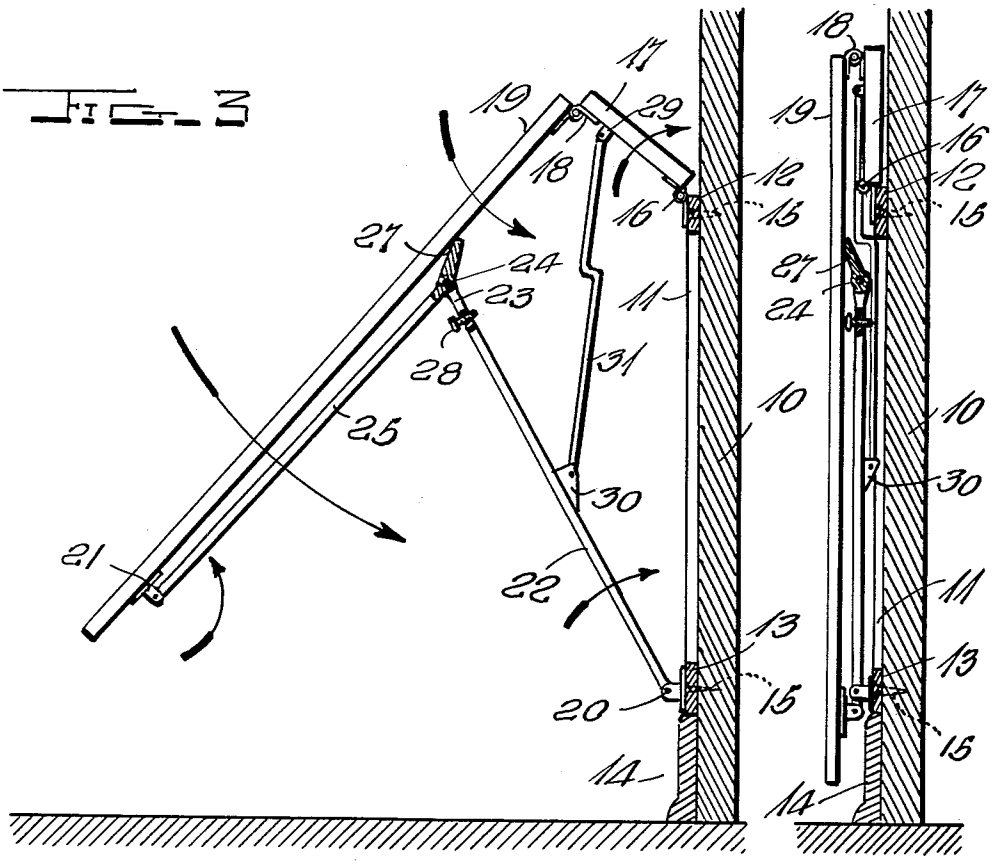


FIG. 4

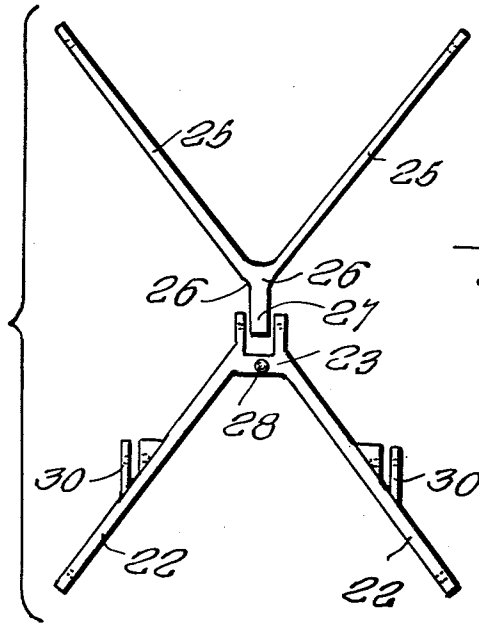


FIG. 5

INVENTOR,
ROY P. OVERBY,
BY E. B. Crocker & Co.,
ATTORNEYS.

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FOLDING WALL TABLE

Roy P. Overby, Fargo, N. Dak.

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5 Claims. (Cl. 311—19)

This invention relates to a folding wall table and has special reference to a folding wall table provided with folding sections.

One important object of the invention is to provide a table of this description which may be conveniently secured to a wall and moved from a position substantially flat against the wall to a position wherein the table portion of the device extends horizontally away from the wall.

A second important object of the invention is to provide a novel device of this character wherein the table itself is so jointed that a relatively great extension of the table from the wall may be obtained when set up without requiring the table to be connected to an undesirable height on the wall.

A third important object is to provide a novel arrangement of table supporting strut having novel connection to the table leaf proper.

A fourth important object is to provide novel means for so regulating the action of the strut as to insure the table leaf proper to lie in horizontal position when corrected.

With the above and other objects in view, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings, and particularly claimed.

In the accompanying drawings, like characters of reference indicate like parts, and:

Fig. 1 is a vertical sectional view through a portion of a wall and showing the table in side elevation and connected thereto.

Fig. 2 is a front elevation view.

Fig. 3 is a sectional view similar to Fig. 1 but showing the table in partially folded position, while

Fig. 4 shows the table completely folded.

Fig. 5 is a detailed view showing the separate parts of the strut used in connection with this table.

Fig. 6 is a detailed side elevation of the adjusting structure intermediate the ends of the strut, the view being to an enlarged scale.

Fig. 7 is a section taken on the line 7—7 of Fig. 2, looking in the direction of the arrows.

In the form of the invention disclosed in the present drawings, there is shown a portion of a wall **10**. On the wall **10** there is secured a rectangular frame **11** so arranged as to provide an upper horizontal bar **12** and a lower horizontal bar **13**, the latter preferably resting on top of the wash board **14** of the wall. This frame is secured to the wall in any preferred manner as by the screws **15**.

Secured to the upper frame member **12** is one leaf of a hinge **16**, the other end of which is secured to one edge of a short table section **17**. To the opposite edge of the table section **17** is secured one leaf of a hinge **18** and the other leaf of this hinge carries a main table section **19**.

On each of the lower corners of the frame **11** there is mounted a bracket **20** to which arms **22** are pivotally secured. Brackets **21** are secured to the under side of the leaf **19**. Converging arms **22** extend upwardly and are united at their upper ends to form a yoke **23** wherethrough extends a pivot pin **24**. Extending from yoke **23** is an upper yoke member formed by converging arms **25** uniting at their lower ends to provide a head **26**, which fits in yoke **23** and is pivoted on the pin **24**. The upper ends of arms **25** are connected to brackets **21**. The head **26** has a diagonally disposed extension **27** and through the head **23** extends an adjusting screw **28** which, under proper adjustment, engages the extension **27** and holds the upper and lower sections of the strut in alinement when the table is properly set up.

The leaf **17** is provided with a pair of yoke members **29** (Fig. 2) adjacent the edge of the table section **19**. The arms **22** are provided intermediate their ends with yokes **30**. Adjusting struts **31** connect the yokes **29** with the yoke **30** and have the respective ends pivoted to the respective yokes.

When the device is elevated for use these adjusting struts force the joint between the table section **17** and **19** upwardly to the position shown in Fig. 1, while in Fig. 3 is shown the manner in which these adjusting struts work. When the device has been fully folded, as in Fig. 4, the table section **17** extends vertically upward while the section **19** drops downwardly parallel thereto. In order to erect the table from this position, it is merely necessary to swing up the table section **19** which causes the strut sections **22** and **25** to straighten out. The straightening out of these strut sections pulls down on the struts **31** and alines the table section **17** and **19** as in Fig. 1.

It is obvious that changes may be made in the form and construction of this invention without departing from the material principles thereof. It is not therefore desired to confine the invention to the exact form herein shown and described, but it is wished to include all such as properly come within the scope claimed.

What is claimed is:

1. In a folding wall attached table, a leaf including a pair of members hinged together intermediate the length of the leaf, hinge means attaching one of said members to a wall, a foldable strut consisting of a pair of pivotally connected strut members, one of said strut members being hingedly connected to a wall below the leaf connection with the wall, the other of said strut members being hingedly connected to the leaf adjacent the free end thereof, and other strut means extending between the first mentioned strut member and the wall connected section of the leaf and having its ends hinged to the first strut member and the wall hinged leaf member.

2. In a folding wall attached table, a leaf including a pair of members hinged together intermediate the length of the leaf, hinge means attaching one of said members to a wall, a foldable strut consisting of a pair of pivotally connected strut members, one of said strut members being hingedly connected to a wall below the leaf connection with the wall, the other of said strut members being hingedly connected to the leaf adjacent the free end thereof, other strut means extending between the first mentioned strut member and the wall connected section of the leaf and having its ends hinged to the first strut member and the wall hinged leaf member, and means adapted to hold the pivotally connected strut members in alinement upon movement of the leaf sections into alined horizontal position.

3. In a folding wall attached table, a leaf including a pair of members hinged together intermediate the length of the leaf, hinged means attaching one of said members to a wall, a foldable strut consisting of a pair of pivotally connected strut members, one of said strut members being hingedly connected to a wall below the leaf connection with the wall, the other of said strut members

being hingedly connected to the leaf adjacent the free end thereof, other strut means extending between the first mentioned strut member and the wall connected section of the leaf and having its ends hinged to the first strut member and the wall hinged leaf member, and means adapted to hold the pivotally connected strut members in alinement upon movement of the leaf sections into alined horizontal position, said last means being adjustable to effect proper horizontal position of the table leaf.

4. In a folding wall attached table, a leaf including a pair of members hinged together intermediate the length of the leaf, hinge means attaching one of said members to a wall, a foldable strut consisting of a pair of pivotally connected strut members, one of said strut members being hingedly connected to a wall below the leaf connection to the wall, the other of said strut members being hingedly connected to the leaf adjacent the free end thereof, and other strut means extending between the first mentioned strut member and the wall connected section of the leaf and having its ends hinged to the first strut member and the wall hinged leaf member, the pivotal connection between said strut members comprising a yoke on one of said members, a tongue engaged in said yoke, and a pivot passing through the yoke and tongue.

5. In a folding wall attached table, a leaf including a pair of members hinged together intermediate the length of the leaf, hinge means attaching one of said members to a wall, a foldable strut consisting of a pair of pivotally connected strut members, one of said strut members being hingedly connected to a wall below the leaf connection with the wall, the other of said strut members being hingedly connected to the leaf adjacent the free end thereof, and other strut means extending between the first mentioned strut member and the wall connected section of the leaf and having its ends hinged to the first strut member and the wall hinged leaf member, the pivotal connection between said strut members comprising a yoke on one of said members, a tongue engaged in said yoke, and a pivot passing through the yoke and tongue, said tongue projecting angularly through said yoke and said yoke being provided with an adjusting screw projecting therethrough and engaged by said tongue upon erection of the table to horizontal position.

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