

Aug. 23, 1932.

J. C. NELSON

1,873,902

UTILITY TABLE

Filed June 28, 1930

2 Sheets-Sheet 1

FIG-1

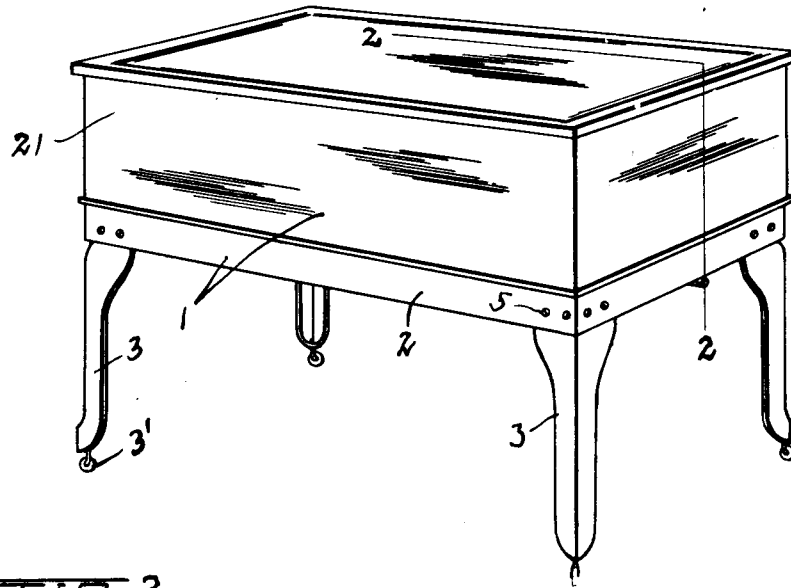
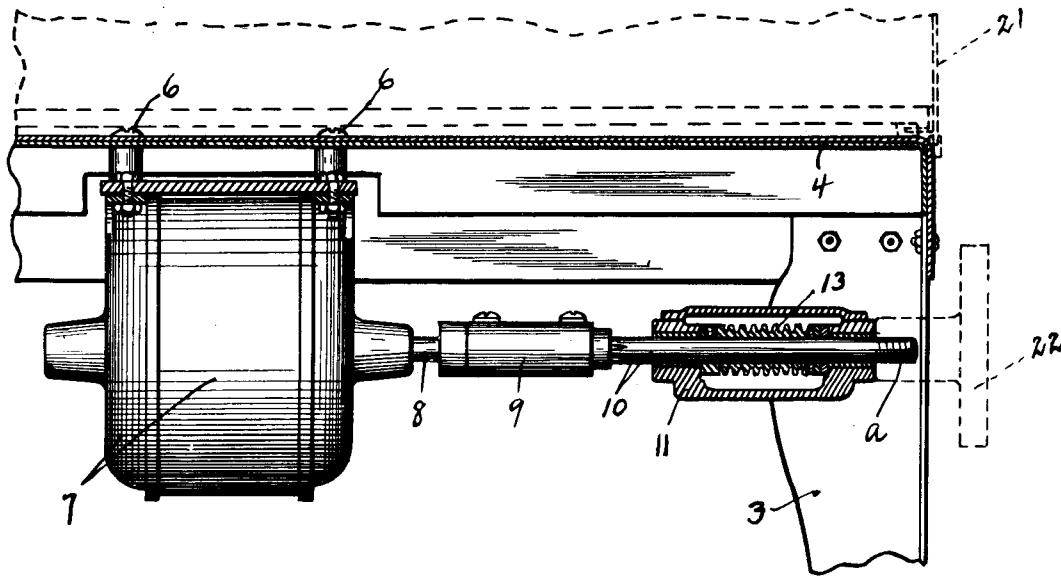


FIG-2



WITNESS
H. L. Meade.

INVENTOR
By J. C. Nelson
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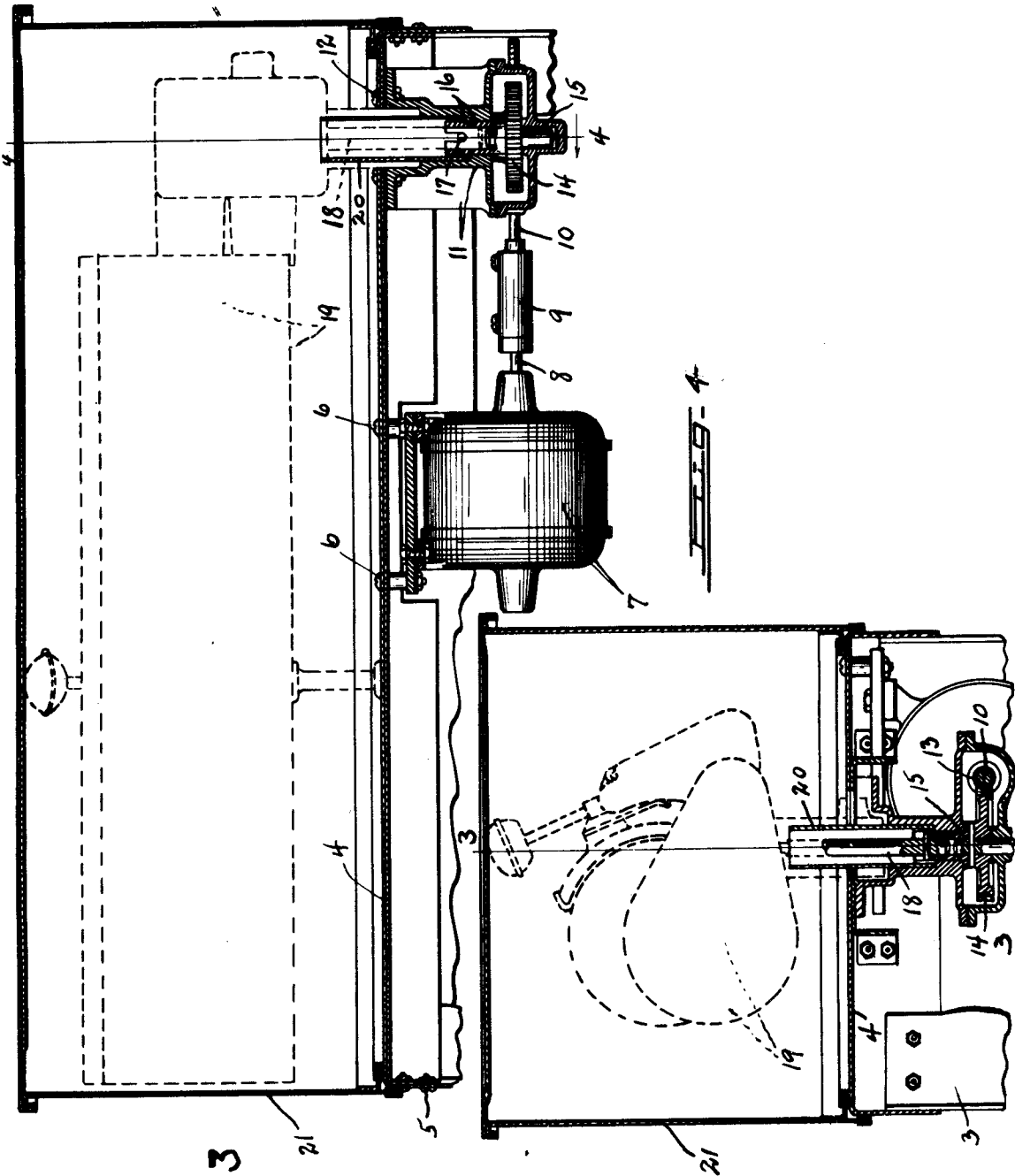
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2 Sheets-Sheet 2



WITNESS
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UNITED STATES PATENT OFFICE

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UTILITY TABLE

Application filed June 28, 1930. Serial No. 464,597.

This invention relates to a new and improved utility table and has for its main object the provision of a table and associated apparatus which may be used in a variety of ways and to accomplish a variety of results.

In the modern kitchen, a great many devices are provided for doing different things to do the housework and to prepare the food. Many of these things may be done by the use of apparatus which is capable of being power driven so that the result may be obtained with the minimum amount of exertion on the part of the housewife.

My invention provides a means whereby power may be supplied to different tools or machines to carry out the various objects above detailed.

Other objects and advantages relate to the size, shape and arrangement of parts all as will more fully appear from the following description taken in connection with the accompanying drawings in which:—

Figure 1 is a perspective view of my utility table. Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a section on line 3—3 of Figure 4.

Figure 4 is a section on line 4—4 of Figure 3.

My table 1 consists of a main frame 2 rectangular in form and supported by a plurality, in this case shown as four, of legs 3 preferably provided with casters 3'.

The frame 2 has a top 4 secured thereto as by rivets 5, rivets 5 also serving to secure legs 3 to frame 2.

At approximately the center point of the under surface of top 4, I suspend as by bolts 6, an electric motor 7. The armature shaft 8 of motor 7 is connected by a coupling 9 to a shaft 10 which is journaled in a housing 11 suspended from the under surface of top 4 adjacent one end thereof as by bolts 12.

The end of shaft 10 extends outwardly through housing to a point approximately in the same plane as the end of frame 2.

A worm 13 is positioned on the shaft 10 inside of housing 11 and is in mesh with a worm gear 14 which is secured to a vertical shaft 15 journaled in the housing 11.

The upper end of shaft 15 carries a clutch member 16, adapted to coact with another clutch member 17 carried on a shaft 18 of an ironer 19 shown in dotted lines on Figure 3.

A tubular post 20 extends upwardly from casing 11 slightly above the top 4 and is adapted to receive and hold in position the ironer 19.

Although none is here shown, it will be understood that a means is provided whereby the motor 7 may be connected to any convenient source of potential.

It will be understood that the ironer 19 may be of any desired type or if preferred, some other piece of household apparatus such as a washing machine may be placed on top 4 and driven through clutch 16.

A cover 21 is placed over the ironer 19 and in position on the top 4 so that its upper surface may be conveniently used as a kitchen table when the ironer or other apparatus on top 4 is not in use.

The outwardly extending end of shaft 10 is threaded as shown at *a* on Figure 2 so that there may be removably placed thereon different tools or mechanism which will be operated by the rotation of shaft 10.

On Figure 2, I have indicated in dotted lines, an emory wheel 22, but it will be understood that the power from the motor 7 through the shaft 10 may be used to operate numerous other machines or tools such as a food-chopper, a baking mixer, an ice cream churn, a butter churn, a drill, a buffing wheel, a beater for cream, eggs, etc. and any other article which is adapted to be operated by a rotating shaft.

I have here shown a special arrangement of parts but it will be understood that the exact size, shape and arrangement of the different parts of my apparatus may be varied to a considerable degree without departing from the spirit of my invention, for although I have shown and described a specific structure and form and arrangement of parts as an exemplification of an embodiment of my invention, I do not desire to restrict myself to the exact size, shape or arrange-

ment of parts as various changes may be made within the scope of the appended claims.

I claim:

1. In a device of the class described, a table, a motor secured to the under side of the table, a shaft having a worm operatively secured to the motor, said shaft having on its free end, means whereby a tool may be removably secured thereto, a gear case secured to the underside of the table, a vertical shaft having a clutch member on its upper end journaled in the gear case, said clutch member being positioned beneath the table top, and a worm gear on the last mentioned shaft in mesh with the worm on the first named shaft.

2. In a device of the class described, a table, a motor secured to the under side of the table, a shaft having a worm operatively secured to the motor, said shaft having on its free end, means whereby a tool may be removably secured thereto, a gear case secured to the under side of the table, a vertical shaft having a clutch member on its upper end journaled in the gear case, said clutch member being positioned beneath the table top, a worm gear on the last mentioned shaft in mesh with the worm on the first named shaft, and a removable cover for the table having a flat top and being adapted to be used as a table when in the covering position.

3. A utility table comprising a motor secured to the under side of the table, a shaft having a worm journaled beneath the table and operably secured to the motor, said shaft having its free end terminating adjacent one side of the table and provided with means whereby a tool may be removably secured thereto, and a second shaft having a gear journaled beneath the table with said gear in mesh with the worm, said second-mentioned shaft having a clutch member on its upper end positioned beneath the table top.

In witness whereof I have hereunto set my hand this 31st day of May, 1930.

JABEZ C. NELSON.

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