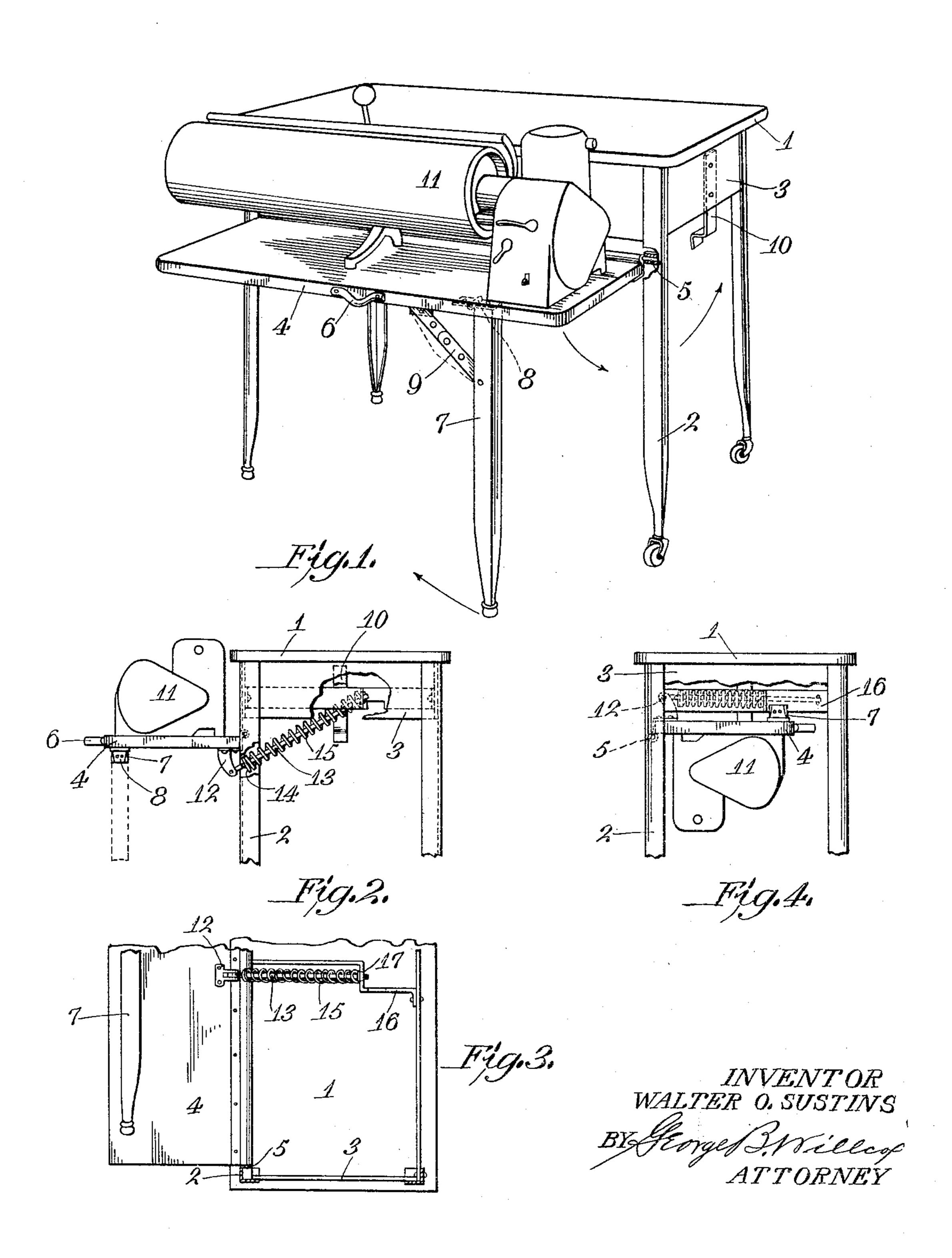
WORKTABLE

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## UNITED STATES PATENT OFFICE

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## WORKTABLE

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This invention relates to improvements in ports or legs 2 and a connecting framework tables adapted for use in conjunction with as rails 3. machines or appropriate appliances and utensils, for example, household ironing machines 5 or mangles that are ordinarily too large and too heavy to be conveniently lifted or moved about from place to place by the user; or it may serve a sewing machine, typewriter, gas or electric plate or a small stove.

It is an object of my invention to provide horizontal position, shown in Fig. 1, com- 60 15 ranged to swing either forwardly or rear- the under edge of the shelf, as shown in Figs. 65 In the forwardly projecting horizontal posi- an end rail for holding the shelf in its contion of the shelf the ironing machine is lo- cealed position beneath the table top, as 20 front edge of the table top, and the entire mangle 11 is fixed to the folding shelf. tions.

25 position of the shelf the ironer or other ap- rearwardly under the table top, a washer 14 70 an ordinary table.

30 vide the shelf with a counterpoise whereby provided in this brace bar for the passage 80 the effort required to raise the shelf and released.

lents thereof.

In the drawing Fig. 1 is a front perspective view, partly broken away, showing a table with my improvement attached.

Fig. 2 is a fragmentary end view.

Fig. 3 is a part sectional bottom view of a <sup>45</sup> portion of the table with the shelf extended. under compression, and arm 12 is approxi- <sup>95</sup>

Fig. 4 is a fragmentary end view corresponding to Fig. 2, showing the shelf in its rearwardly folded position.

As is clearly shown in the drawing, the . 50 structure comprises the table top 1 and sup-

A suitable supporting framework, such as a folding shelf 4, is secured by hinges 5 to the front legs of the table. A handle 6 at the 55 outer edge of the shelf is used for raising and lowering it.

The displaceable means for supporting the folding shelf in its forwardly projecting in combination with a table of ordinary con-prises preferably a folding leg 7 that is sestruction a folding shelf hinged to the legs cured to the under side of the shelf by a of the table at an appropriate height to ac-hinge 8 and is stiffened by a suitable folding commodate an ironing machine and ar- brace 9, so that the leg will fold flat along wardly, carrying the ironing machine with it. 2 and 3. A releasable latch 10 is mounted on cated conveniently for use in front of the shown in Fig. 4. An ironing machine or

table surface is available for spreading and The counterpoise for the weight of the piling the goods during the ironing opera- ironing machine consists of an arm 12 fixed to the under side of the shelf at its rear edge, In the rearwardly projecting horizontal a rod 13 pivoted to the arm and extending pliance is concealed beneath the table top, the fixed to the rod, a compression spring 15 on whole presenting merely the appearance of the rod and a brace bar or abutment member 16 secured to the under side of the table, Another object of the invention is to pro- as is illustrated in Fig. 3. An opening 17 is the manual effort required to lift the ironer of the rod 13 which slides back and forth up to its working position is minimized, also through it when the spring is compressed or

ironer into its concealed position. The position of the arm 12 with relation With the foregoing and certain other ob- to the plane of the shelf 4 is such as to cause 85 jects in view, which will appear later in the the spring 15 to be compressed when the table specification, my invention comprises the de- is pushed downward from its forwardly exvices described and claimed and the equiva- tending position shown in Fig. 1. In that position it is obvious that the spring acts as a counterpoise to the weight of the shelf and 90 ironing machine.

> When the leg has been folded and the shelf has been lowered to its depending position between the front supports, the spring 15 is mately in line with the spring, as on a dead center. When the table is raised to the position of Fig. 1 the spring is still in compression and then exerts its greatest supporting force on the shelf because it is approxi- 100

mately at right angles to the position of the the table and a spring operatively interposed taining force is exerted by the spring when ranged to exert pressure against the arm the shelf is in its rearwardly folded position, for supporting the shelf in both the for-5 as shown in Fig. 4. In some applications of the invention the spring may be made strong the rearward inverted position of said shelf. enough to hold the shelf in this position, the

latch being dispensed with.

Upon releasing the latch 10 the shelf and 10 ironing support swing downward, being a latch comprising a spring hook carried by 75 cushioned by the compression of the spring. the table top and adapted to releasably sup-When the shelf is at the bottom of the swing port the shelf in rearwardly projecting posi-15 for use. It will be noted that by this arrange- the opposite face of the shelf and counter- 80 only at convenient height for the operator, interposed between the table top and said but they are also conveniently placed with shelf and adapted to exert pushing force respect to the table top so the latter can be against the arm in one direction when the

ports the greater part of the weight of shelf verted concealed position. 4 and machine 11, but also renders the table 4. In combination with a table, a shelf

legs instead of four.

I claim and desire to secure by Letters Patent the arm below the hinge when the shelf is in

1. In combination with a table top and supports for the same, a shelf member hinged at its rearward edge to said supports at a point below said top and arranged to swing between said supports to an inverted posi-40 tion beneath the top, a latch carried by the table and positioned to releasably engage the shelf member when in said inverted position, a machine fixed to said shelf member, a downwardly extended arm fixed to the opposite 45 face of the shelf near its hinged edge, an abutment member fixed to the table, a spring operatively interposed between said arm and abutment member and arranged to counterpoise said shelf in its forwardly extended 50 position by exerting thrust against the arm below the hinge and to counterpoise the shelf in its rearward position by exerting thrust against the arm above the hinge.

2. In combination with a table comprising 55 a top and supports therefor, a shelf hinged at one edge to said table, a member supporting the shelf in forwardly extended horizontal position, a latch positioned to releasably engage and support the shelf in rear-60 wardly projecting inverted position beneath the table top, a machine fixed to said shelf member, and spring-actuated counterpoise means operatively interposed between the top and shelf, said means comprising an arm se-65 cured to a face of the shelf, an abutment on

arm. Similarly, maximum leverage and sus- between the arm and the abutment and arwardly extended horizontal position and in 70

3. In combination with a table, a shelf hinged to said table, a support for said shelf in forwardly extended horizontal position, the operator lifts the shelf by the handle 6, tion beneath the table top, a machine fixed to unfolds the leg 7, and the machine is ready said shelf member, an arm projecting from ment the shelf and ironing machine are not poise means including a spring operatively 20 used for both the unironed and finished goods. shelf is in its extended position and in the 85 When the leg 7 is down it not only sup-opposite direction when the shelf is in its in-

more rigid by increasing the area of its sup- hinged to said table and arranged to swing 25 porting base and carrying the weight on five to an inverted position beneath the table top, 90 a member supporting said shelf in forward-Preferably the two legs of the table at ly extended horizontal position, a machine one end are equipped with castors so the table fixed to said shelf, an arm projecting from can be rolled from place to place after lift- the opposite face of the shelf, and counter-30 ing up the other end, which is equipped with poise means including a spring operatively 95 legs without castors, as shown in Fig. 1. interposed between the table top and the arm Having thus described my invention, what and adapted to exert pushing force against

> above the hinge when the shelf is in its in- 100 verted concealed position.

In testimony whereof, I affix my signature. WALTER O. SUSTINS.

its extended position and against the arm