

June 16, 1925.

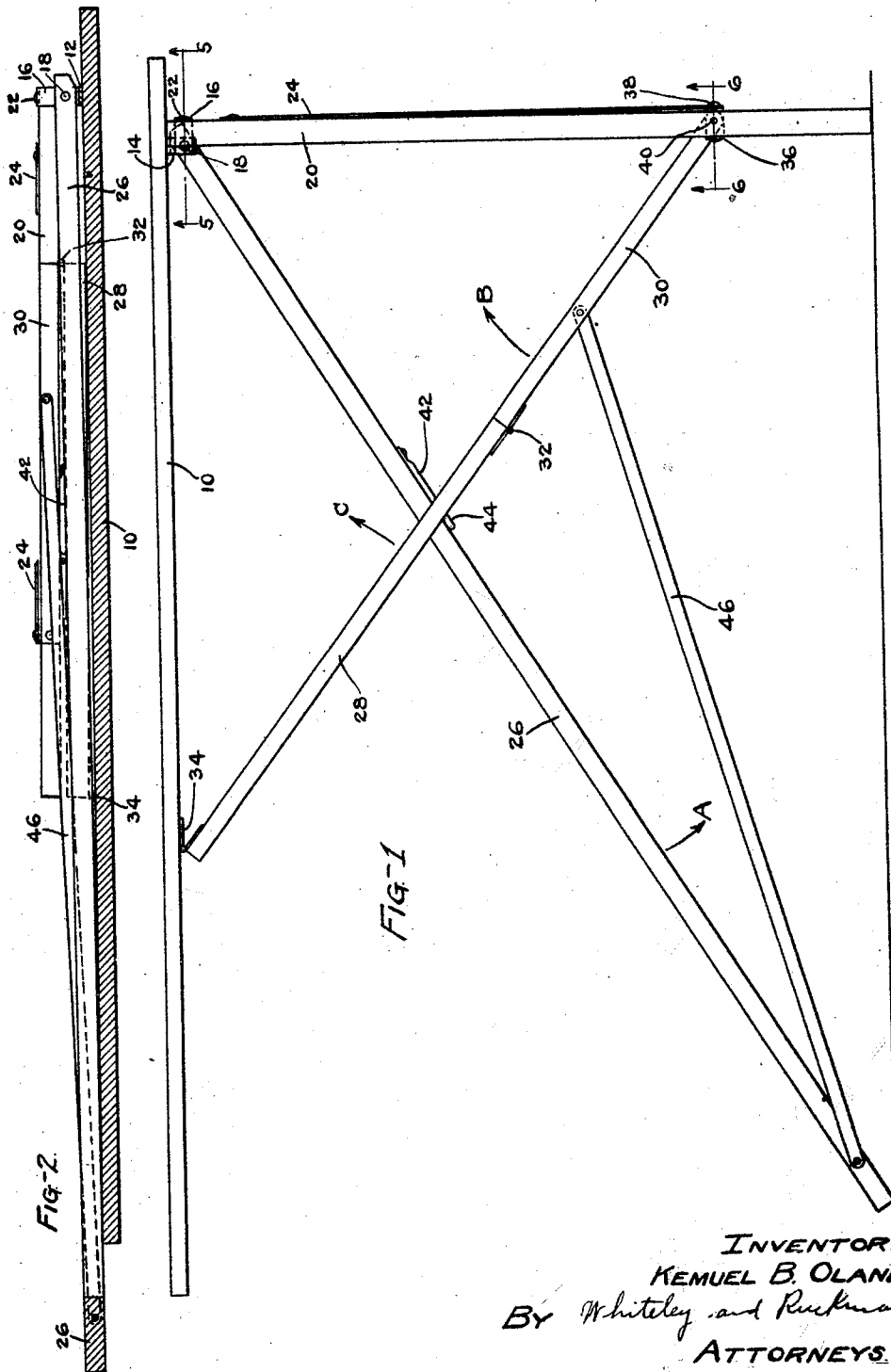
1,542,084

K. B. OLANDER

IRONING TABLE

Filed Sept. 28, 1923

2 Sheets-Sheet 1



INVENTOR:

KEMUEL B. OLANDER.

By Whiteley and Ruckman

ATTORNEYS.

June 16, 1925.

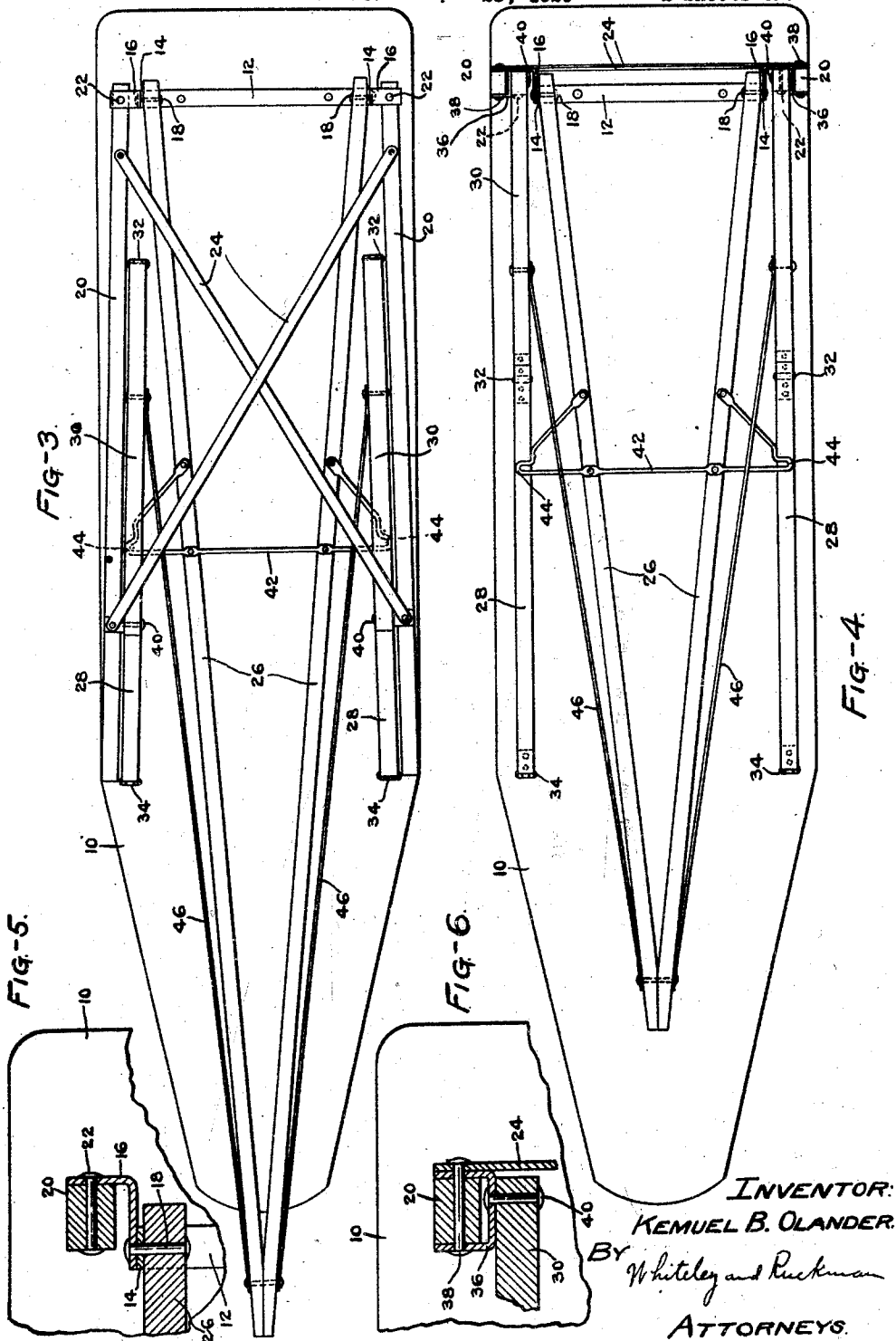
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2 Sheets-Sheet 2



Patented June 16, 1925.

1,542,084

UNITED STATES PATENT OFFICE.

KEMUEL B. OLANDER, OF MINNEAPOLIS, MINNESOTA.

IRONING TABLE.

Application filed September 28, 1923. Serial No. 665,440.

To all whom it may concern:

Be it known that I, KEMUEL B. OLANDER, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Ironing Tables, of which the following is a specification.

My invention relates to ironing tables, and an object is to provide a folding ironing table of simple and strong construction which can be readily folded into compact form, and which can be quickly unfolded in such manner as to firmly support the ironing board in horizontal position.

The full objects and advantages of my invention will appear in connection with the detailed description, and the novel features of my inventive idea will be particularly pointed out in the claims.

In the accompanying drawings, Fig. 1 is a side elevational view of the ironing table in set up condition. Fig. 2 is a longitudinal sectional view showing the table in folded condition with the ironing board lowermost. Fig. 3 is a bottom plan view showing the table in folded condition. Fig. 4 is a bottom plan view showing the table as it appears in set up condition. Fig. 5 is a fragmentary view in section on the line 5—5 of Fig. 1. Fig. 6 is a fragmentary view in section on the line 6—6 of Fig. 1.

As shown in the drawings, I provide an ironing board 10 to the under side of which near the front end there is secured a metal strip 12 having ends 14 which are bent at right angles to the body portion of the strip. Angle pieces or members 16 are attached to the ends 14 by pivot pins 18 which extend through the inner portions of the angle pieces. To the outer portions of these angle pieces front legs 20 are secured by rivets 22. It will be apparent from Figs. 1 and 3 that when the device is set up the upper ends of the legs 20 come against the lower surface of the board 10 so that the latter is firmly supported. As best shown in Fig. 3, the legs 20 are braced by a pair of cross braces 24. The pivot pins 18 also extend through the front portion of a rearwardly extending support consisting of two bars 26 so that these pins serve as pivots for the bars 26 as well as for the angle pieces 16. The bars 26 converge rearwardly and their ends are fastened together so that they rest upon the floor at a common point when the device is

set up. Two pairs of toggle arms 28 and 30 are hinged together by hinges 32. The upper ends of the arms 28 are attached to an intermediate portion of the board 10 by hinges 34 and the lower ends of the arms 30 are pivoted to the legs 20 toward the lower ends thereof by the following device as best shown in Fig. 6. U-shaped pieces 36 are secured to legs 20 by rivets 38 while pivot pins 40 extend through the intermediate portions of the U-shaped pieces and through the ends of the arms 30. A bent rod 42 is fastened to the bars 26 and it has portions 44 which act as stops to engage the lower ends of the bars 26 and to the intermediate portions of the arms 30.

The operation and advantages of my invention will now be obvious. When the device is in the set up position shown in Fig. 1, the pairs of toggle arms 28 and 30 are in alignment and the device is supported by the two front legs 20 and the rear ends of the bars 26 resting upon the floor. The device is firmly supported due to the fact that the stops 44 carried by the bars 26 are engaged with the upper toggle arms 28 while the lower ends of the bars 26 are connected by the bars 46 with the toggle arms 30. The table is therefore firmly braced and supported since the rear thereof can be depressed only in case the front end is at the same time lifted. In order to fold the device, it is necessary to initiate the folding operation by moving the bars 26 in the direction of the arrow A. This movement by means of the connecting bars 46 causes a forward thrust to be exerted on the toggle arms 30 so that these arms swing forwardly in the direction of the arrow B and the arm 28 swing forwardly in the direction of the arrow C. This folding operation is most conveniently performed by tipping the rear of the table upwardly so that the bars 26 are lifted from the floor and then by grasping the bars 26 the folding operation is initiated as stated, the lower ends of the front legs 20 being maintained in engagement with the floor. As soon as the toggle arms have passed their dead centers, the bars 26 are swung up into engagement with the lower surface of the board 10. This operation results in bringing the parts very quickly and with small effort on the part of the operator, into the completely folded-up condition shown in

Fig. 2 so that the device may be readily stored as well as being placed in condition for shipping. By referring to this figure, it will be seen that the toggle arms 28 rest upon the board 10 and that the toggle arms 30 rest upon the arms 28. The legs 20 are disposed outside the toggle arms and the bars 26 are disposed inside the toggle arms. On account of the fact that the bars 46 connect the lower ends of the bars 26 with intermediate portions of the arms 30, the table can be quickly folded and unfolded by manipulation of the bars 26 by the operator who grasps these bars at their rear end.

I claim:

1. An ironing table comprising an ironing board, a pair of legs pivotally attached to the front of said board, a rearwardly extending support pivotally attached to the front of said board and occupying a downwardly inclined position when the table is set up for use, toggle arms hinged together and having the upper arm hinged to an intermediate portion of said board and the lower arm hinged to said legs near their lower ends, a stop carried by said support and adapted to engage the lower side of said toggle arms, and a connecting bar pivoted at one end to the rear portion of said support and pivoted at the other end to an intermediate portion of said lower arm.

2. An ironing table comprising an ironing board, a pair of legs pivotally attached to the front of said board, a rearwardly extending support pivotally attached to the front of said board and consisting of two bars converging so as to meet at their rear ends and occupying a downwardly inclined position

when the table is set up for use, two pairs of toggle arms hinged together and having the upper arms hinged to an intermediate portion of said board and the lower arms hinged to said legs near their lower ends, stops carried by said bars and adapted to engage the lower sides of said toggle arms, and connecting bars pivoted at their rear ends to the rear portions of said supporting bars and pivoted at their front ends to the intermediate portions of said lower arms.

3. An ironing table comprising an ironing board, a transverse strip attached to the lower side of said board near its front end, said strip having ends bent therefrom at right angles, pivot pins mounted in said ends, angle members mounted on the outer ends of said pivot pins, legs attached to said angle members, a rearwardly extending support consisting of two bars mounted on the inner ends of said pivot pins, said bars converging so as to meet at their rear ends and occupying a downwardly inclined position when the table is set up for use, two pairs of toggle arms hinged together and having the upper arms hinged to an intermediate portion of said board and the lower arms hinged to said legs near their lower ends, stops carried by said bars adapted to engage the lower sides of said toggle arms and connecting bars pivoted at their rear ends to the rear portions of said supporting bars and pivoted at their front ends to intermediate portions of said lower arms.

In testimony whereof I hereunto affix my signature.

KEMUEL B. OLANDER.