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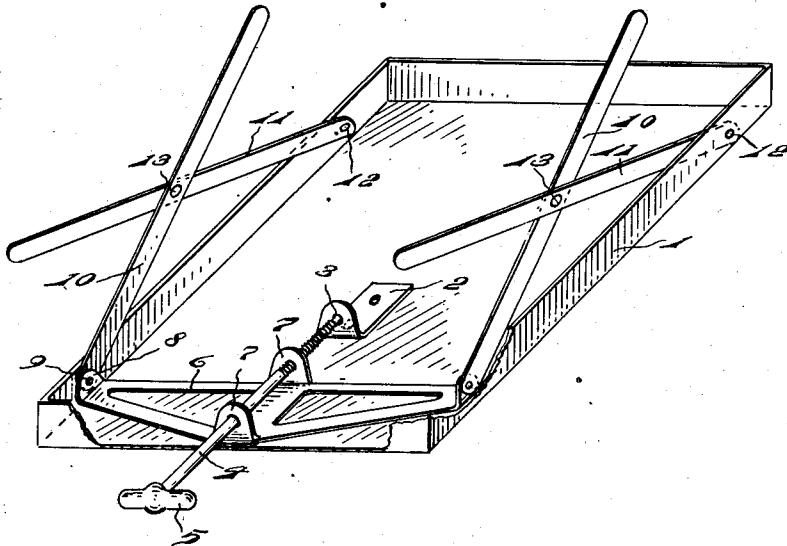
R. D. WELLS

1,986,035

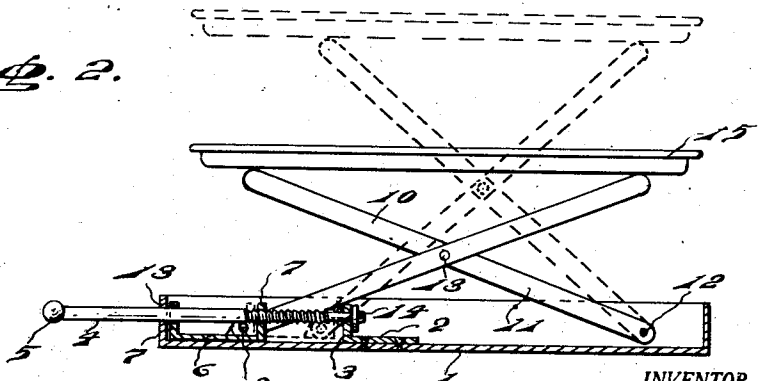
BROILER OPERATING MECHANISM

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*FIG. 1.*



*FIG. 2.*



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## UNITED STATES PATENT OFFICE

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## BROILER OPERATING MECHANISM

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2 Claims. (Cl. 254—122)

In broiler supports for gas ranges as ordinarily constructed, the broiling chamber is provided with superimposed guides on opposite side walls to receive the broiler pan. This does not provide an accurate adjustment of the article being cooked with respect to the flames emitted from the burners.

Furthermore, if it is desired to vary the spacing between the broiler pan and the burner it is necessary to remove the broiler pan and reinsert it into different guides.

It is the object of this invention to devise a novel and simplified construction of broiler operating mechanism whereby at any time the position of the broiler, with respect to the burners, can be adjusted as may be desired without removing the broiler and the article of food which it carries from the broiling oven.

A further object is to provide a novel construction and arrangement of a raising and lowering mechanism which can be manually adjusted and which will provide a four point suspension for the broiler pan.

With the above and other objects in view, as will hereinafter more clearly appear, my invention comprehends a novel broiler operating mechanism for gas ranges.

It further comprehends a novel construction and arrangement of a body portion or support to which is pivoted a set of links which, in turn, are pivotally connected with another set of links positioned by an adjusting member which is mechanically controlled to effect the raising and lowering of the links and thereby of the broiler pan which they are adapted to carry.

Other novel features of construction and advantage will hereinafter clearly appear in the detailed description and the appended claims.

For the purpose of illustrating the invention, I have shown in the accompanying drawing a typical embodiment of it, which, in practice, will give satisfactory and reliable results. It is however, to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized, and my invention is not limited to the exact arrangement and organization of these instrumentalities as herein set forth.

Figure 1 is a perspective view of a broiler operating mechanism for gas ranges embodying my invention.

Figure 2 is a sectional elevation showing the broiler pan supported on the raising and lowering members and showing in dotted lines the parts in one of their raised positions.

Similar numerals of reference indicate corresponding parts.

Referring to the drawing:

1 designates a body portion in the form of a rectangular shaped pan to which is secured a holding member 2 in the form of a strip having an upwardly extending apertured ear 3 into which an adjusting screw 4 is adapted to extend. This adjusting screw 4 is provided with an actuating handle 5 carried by an adjusting member 6 having the upturned flanges 7, one end of which is in threaded engagement with the threads of the screw 4, the latter passing through the upwardly extending front flange of the pan. The adjusting member 6 is preferably formed from sheet material and apertured to reduce its weight and at opposite sides it is provided with the upwardly extending flanges 8 to which are pivoted, at 9, one set of links 10. A second set of links 11 are pivotally connected at their lower ends as at 12 to the upwardly extending side walls of the pan 1. The two sets of links 10 and 11 are pivotally connected intermediate their ends as at 13 so that two links are provided on each side of the pan, the free ends of which form a four point support for the broiler pan.

The adjusting screw 4 is provided with pins 14 to prevent its relative longitudinal movement with respect to the ear 3 and the pan 1. 15 designates the broiler pan seen in Figure 2.

The operation of my novel broiler operating mechanism will now be apparent to those skilled in this art and is as follows.

The broiler pan is placed in position on the links 10 and 11 as shown in Figure 2, and the pan 1 is moved into the broiling chamber.

By actuating the handle 5 to move forwardly or rearwardly the adjusting member 6, it will be apparent that the set of links 10 will be moved forwardly or rearwardly thereby causing the upper free ends of the links 10 and 11 to be raised or lowered. In this manner the position of the broiler pan, with respect to the burners, can be varied as may be desired without removing the broiler pan from the broiling oven.

My present invention can be economically manufactured and has been found in practice to have marked advantages over the conventional supporting means for broiler pans of gas ranges.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:—

1. Broiler operating mechanism comprising a pan, rear links pivoted at their lower ends to the sides of the pan, front links pivotally connected

intermediate their ends to the rear links, an adjusting member extending transversely across the pan, slidably mounted on its bottom and pivoted within the pan to the lower ends of said front  
5 links, a screw in threaded engagement with said adjusting member, and means to prevent longitudinal movement of said screw.

2. Broiler operating mechanism comprising a pan, rear links pivoted at their lower ends to the  
10 sides of the pan, front links pivotally connected

intermediate their ends to the rear links, an adjusting member extending transversely across the pan, slidably mounted on its bottom and pivoted within the pan to the lower ends of said front  
links, a screw extending through the front wall  
of the pan, and in threaded engagement with  
said adjusting member, and a holding member  
secured to the bottom of the pan and preventing  
longitudinal movement of said screw.

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