

W. D. HODSON.
 COMBINED HINGE AND RECEPTACLE.
 APPLICATION FILED JUNE 10, 1909.

975,690.

Patented Nov. 15, 1910.

Fig. 1

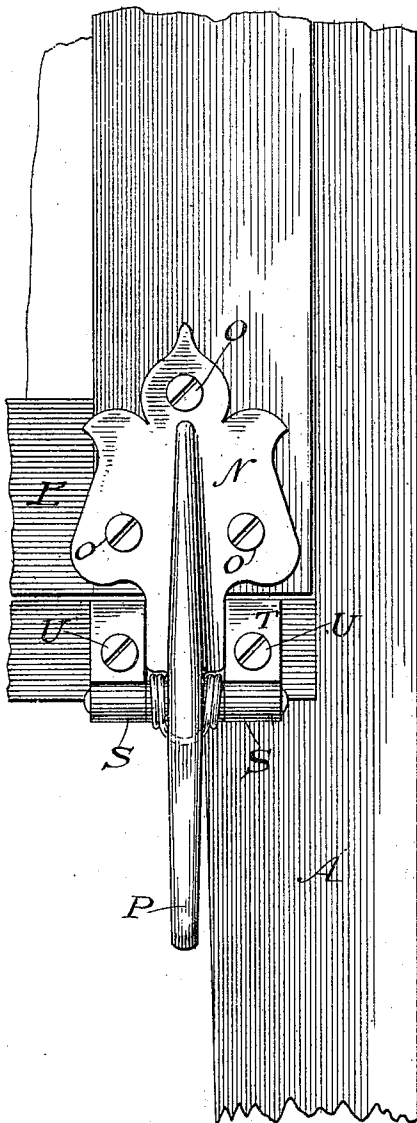
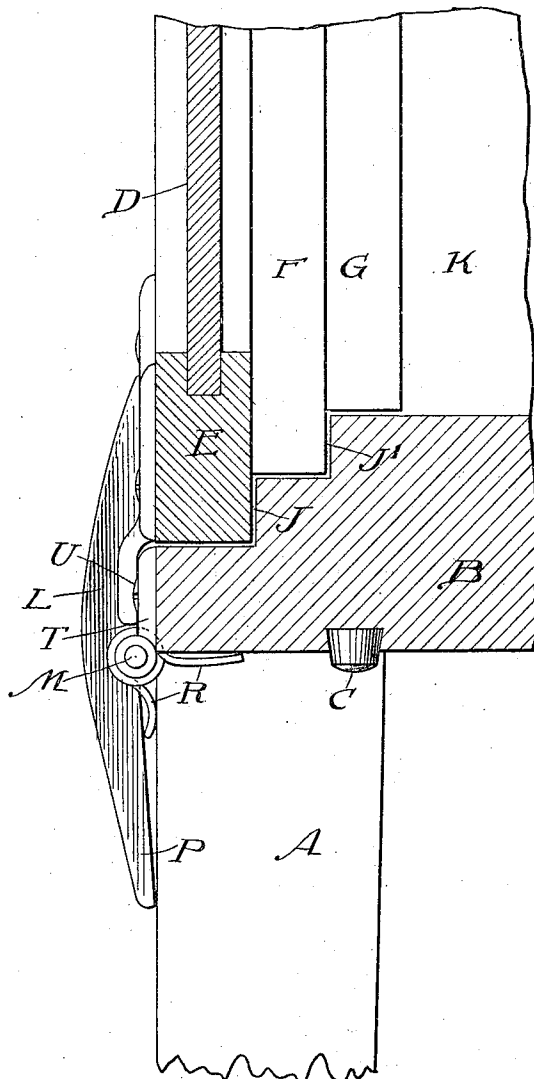


Fig. 2



Witnesses:

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UNITED STATES PATENT OFFICE.

WALTER D. HODSON, OF JANESVILLE, WISCONSIN.

COMBINED HINGE AND RECEPTACLE.

975,690.

Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed June 10, 1909. Serial No. 501,220.

To all whom it may concern:

Be it known that I, WALTER D. HODSON, a citizen of the United States, residing at Janesville, in the county of Rock and State of Wisconsin, have invented a certain new and useful Improvement in Combined Hinges and Receptacles, of which the following is a specification.

My invention relates to hinges, particularly such as are intended for use in connection with fireless cookers. It is illustrated in one form in connection with such a fireless cooker.

Figure 1 is a front detail elevation; and Fig. 2, a vertical section of the same.

Like parts are indicated by the same letter in all the figures.

A are the legs on which the cooker is supported; B, the bottom portion; C, a plug, preferably of rubber in the lower surface of the bottom portion at one side of the leg.

D is the central panel of the door having the rim E and the inner successively reduced portions F and G. Around the door space, the bottom and sides of the cooker are recessed as indicated at J and J¹ so that the three successively smaller portions of the door E, F and G may be received into these recesses and into the inner portion K of the cooker.

L is a bar pivotally mounted on the pin M and having at one end the enlargement N secured by the screws O O to the door, and at the other, the projecting point P adapted to engage the rubber plug C when the door is thrown down so as to open the cooker, and let the door stand in a horizontal position.

R is a spiral spring wound around the pin M and bearing respectively against the underside of the bar L and the lower surface of the bottom B. This spring tends to keep the door in its closed position, and to elastically support it as it descends before the point P engages the cushion C. The pin M is supported in the projections S S on the plate T which is secured by the screws U U to the forward surface of the bottom part B.

I do not wish to be limited to the precise form, construction and arrangement of the several parts shown, because they may be greatly altered without departing from the spirit of my invention, but I shall set forth in my claims what I consider essential.

The use and operation of my invention

are as follows:—It will be observed that the pivot M is mounted at the lower edge of the part B or at a distance below the rim E approximately equal to its thickness. In other words, the pin M is mounted in a line which cuts the upper edge of each of the successively reduced portions E, F and G of the door. The result of this is that the door swings into position practically closing at all points simultaneously. The spring R tends to hold the door in position and make a tight joint between it and the cooker, and the cushion C acts as a buffer to receive the load elastically when the door is thrown down against the pressure of the spring R.

I claim:—

1. In a combined hinge and receptacle, a receptacle provided with a recess near its opening, a door adapted to be received into such recess to close it, a hinge bar pivoted on the receptacle, rigidly secured to the door at one end and provided with a free projecting point at the other, a buffer on the receptacle to engage such projecting point when the door is open, and a spring acting between the hinge bar and receptacle to keep the door closed.

2. In a combined hinge and receptacle, a receptacle provided with a recess near its opening, a door adapted to be received into such recess to close it, a hinge bar pivoted on the receptacle at a distance from the recess about equal to the depth of said recess, rigidly secured to the door at one end and provided with a free projecting point at the other, a buffer on the receptacle to engage such projecting point when the door is open, and a spring acting between the hinge bar and receptacle to keep the door closed.

3. In a combined hinge and receptacle, a receptacle provided with a recess near its opening, a door adapted to be received into such recess to close it, a hinge bar pivoted on the receptacle at the lower edge thereof and rigidly secured above to the door and provided below with a free projecting point, a buffer on the bottom of the receptacle in the path of such point to engage the same when the door is open, and a spring engaging the bottom of the receptacle and the hinge bar, and acting to hold the door closed.

4. In a combined hinge and receptacle, a receptacle provided with a recess near its

opening, a door adapted to be received into
such recess to close it, a hinge bar centrally
pivoted on the receptacle, said bar rigidly
secured to the door at one end and provided
5 with a projecting point at the other, a buffer
on the receptacle to engage such projecting
point when the door is open, and a spring

acting between the hinge bar and receptacle
to keep the door closed.

WALTER D. HODSON.

Witnesses:

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