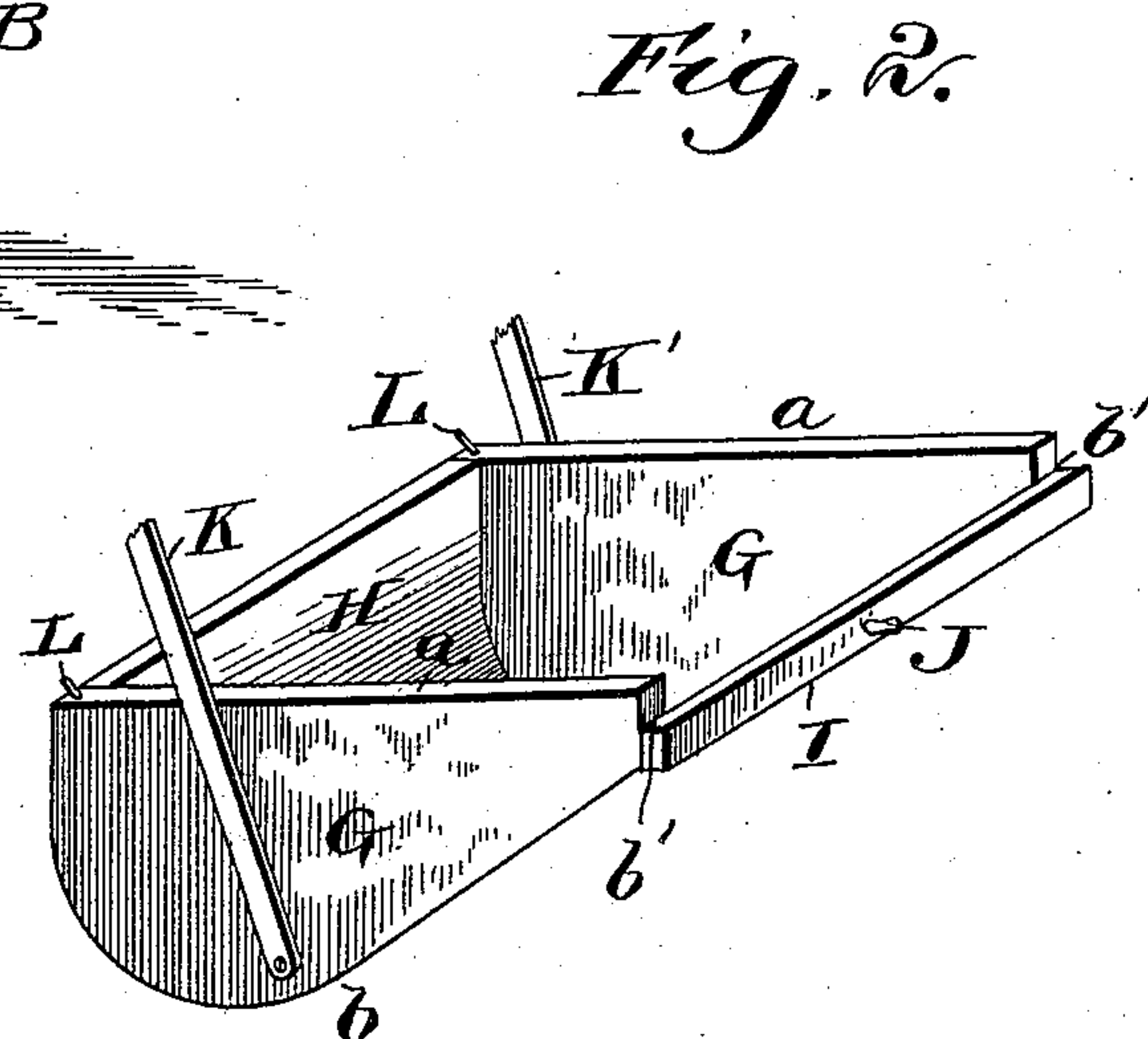
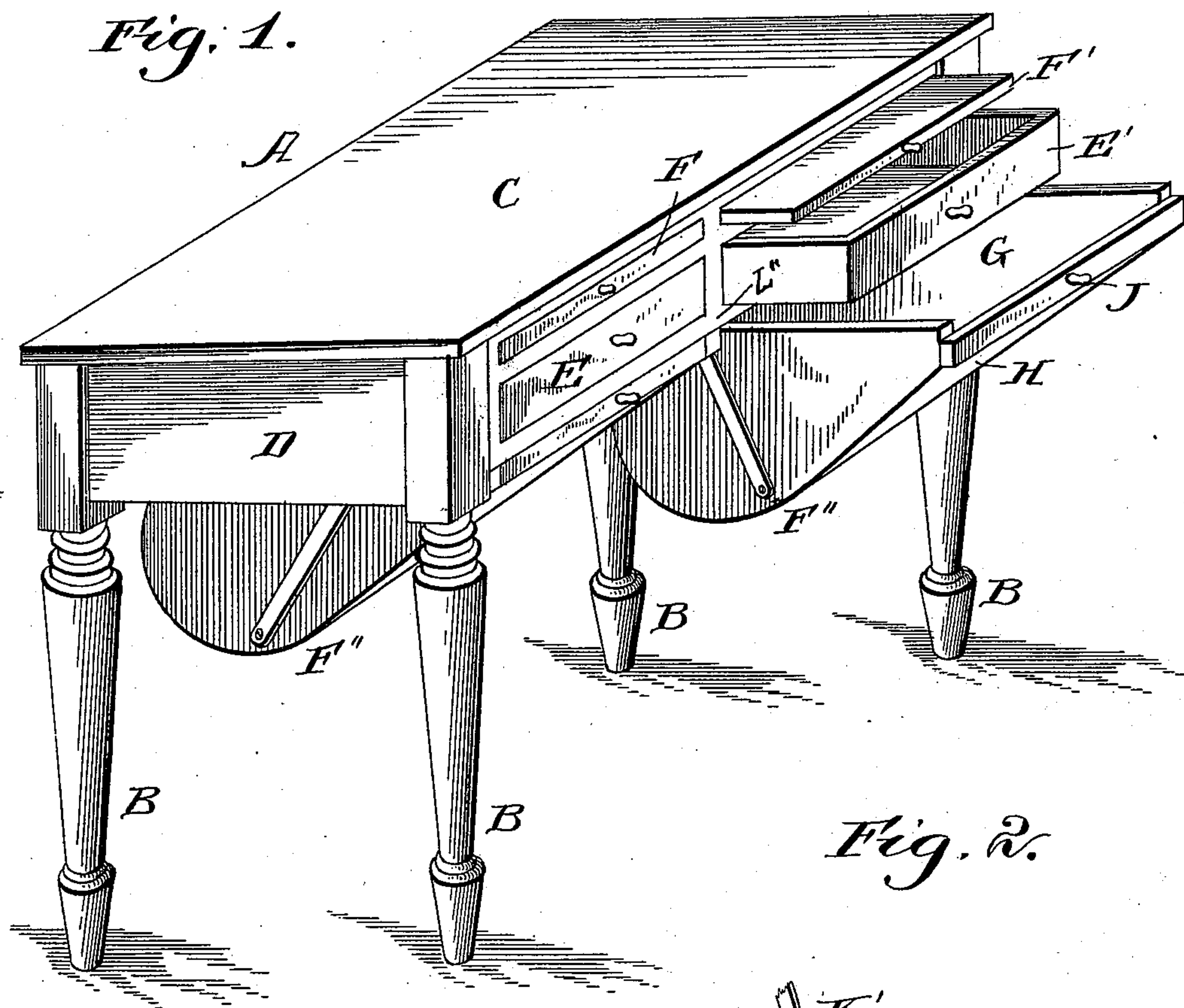


(No Model.)

G. R. RUSSELL.
KITCHEN TABLE.

No. 512,665.

Patented Jan. 9, 1894.



Witnesses:
J. B. McGirr.
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UNITED STATES PATENT OFFICE.

GEORGE R. RUSSELL, OF SAN DIEGO, CALIFORNIA.

KITCHEN-TABLE.

SPECIFICATION forming part of Letters Patent No. 512,665, dated January 9, 1894.

Application filed April 4, 1893. Serial No. 469,041. (No model.)

To all whom it may concern:

Be it known that I, GEORGE R. RUSSELL, a citizen of the United States of America, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Combination Kitchen-Tables, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to combination kitchen tables, and more particularly refers to an improved attachment therefor in the nature of a swinging bin or receptacle for flour, meal, and the like, which is designed to be suspended in a prescribed position under the table in an accessible and convenient manner.

It is an essential feature of this improvement to give the attachment a swinging or oscillatory motion in contradistinction to a sliding movement like that of a drawer-movable horizontally in guide-ways. In this way, it takes less force on the part of the operator to open and close the bin, avoids all possibility of withdrawing it too far so as to spill the contents, and enables one to more quickly and conveniently gain access to the same for any desired purpose.

Another feature hereof is a certain arrangement of the swinging receptacle whereby the weight of the contents facilitates the operation so that with the application of slight force it is self-adjusting in the operation of opening or closing it.

A further object of this invention is to provide a device of this class which shall be simple and inexpensive in construction, readily attachable, and efficient, reliable and convenient in use.

For the attainment of these objects, and for other purposes hereinafter enumerated, my invention comprises, in brief, certain details of construction, arrangement and combination of parts, all of which is more fully described hereinafter.

The novel features of the invention are embraced in the appended claims which are intended to accord in their terms, spirit, and meaning with the prior state of the art and the existing law.

Referring to the accompanying drawings forming a part of this specification:—Figure 1 is a perspective view of an approved form of

table equipped with my invention. Fig. 2 is a detail perspective view of one of the swinging bins shown in Fig. 1.

Like letters of reference denote like or corresponding parts in both views of the drawings.

In Fig. 1, A designates an ordinary kitchen table of the desired size and shape and comprising the legs, B, the top, C, and the side panels, D. As shown in the front, I provide two sets of drawers, E, E', and two extensible bread-boards, F, F', respectively, arranged in two vertical tiers side by side, and severally adapted to be horizontally withdrawn in suitable guide-ways (not shown) arranged as usual. On the right hand side the bread board, drawer, and bin are all shown slightly drawn out.

Underneath each drawer, E, E', is suspended a bin, F or F', consisting of a trough-shaped receptacle of wood or other material composed of the end-pieces, G, G, and the front and back portions, H, H. The front portion, H, is tenoned or otherwise secured on each side at its upper edge to each of the end-walls and extends obliquely downward and backward converging at its lower edge toward the meeting lower edge of the opposite rear portion, H, which is likewise attached at its upper edge on each side and is slightly concave or bulged and extends obliquely downward meeting the lower edge of the front portion to which it is joined at its lower edge, thus forming the bottom of the bin. By making the rear wall concave greater space is provided at the back of the bin for its contents, whereby the weight of such contents adds to the weight of the overbalanced rear portion of the bin; and the front portion is made straight and inclined to act as a chute or deflector to keep such contents always back in the rear of the bin. The end-walls, G, G, are suitably fastened to the front and back portions, H, H, and each has a straight upper edge, *a*, and a rounding or curved lower edge, *b*, making the same substantially an irregular triangle in outline. The rounded lower edge, *b*, conforms to the convergence or slope of the two portions, H, H, as will be readily understood.

On the front of each bin and at the upper portion thereof is a cross-plate, I, fastened at each end to one of the end-walls, and cen-

trally provided with knob or handle, J. Between the upper edge of this cross-plate and the straight edge, *a*, of each end-wall, is a slight space, forming an offset or shoulder, *b'*, for a purpose hereinafter explained.

Each bin is suspended in position underneath each tier of drawers by means of two link-rods, K, K', each pivoted at its lower end at a point slightly forward of the center of the adjacent end-wall and near the lower edge of the same, and at its upper extremity is pivotally attached to the inside of the adjacent panel, D, of the table, or to other support there provided. By this construction it will be understood that each bin is slightly overbalanced with the greater weight at the rear. It will also be seen that the pivot-pins or bolts are all removable so that the bin can be detached from the table when desired.

L, L, indicate respectively two stop-pins on the rear edge of the bin, at the top on each side, which serve to prevent the same from going too far when the same is closed; said pins being also designed to engage a rearward projection or extension (not shown) on the front strip L'' of the table when the bin is opened. This open position of the bin is illustrated in Fig. 1, wherein the stop-pins L L are supposed to engage against the rearward extension on the front strip L'', which extension cannot be seen in this view, and in fact is not shown at all, since this construction can be obviously understood without a detailed illustration of the same.

When the bin is in a closed position, as shown to the left in Fig. 1, the offset, *b'*, serves as a seat for the square edge of the crosspiece L which fits snugly in said seat as shown of the table and thus an air and dust-tight joint at the front is provided, the front of the bin being held in this position when closed by the weight of the overbalanced rear portion. By this arrangement a convenient and readily

operative receptacle is provided in close proximity to the other appliances with which the table is furnished. All difficulty and objection of stooping to pull out a drawer which has become swelled or hung is obviated, besides, the operator is saved any undue exertion in opening and closing the bin.

For use in bakeries, hotels, and in fact in all domestic establishments, my invention will be found to be exceedingly useful and convenient.

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

1. As a new article of manufacture, a kitchen table provided with two swinging bins removably suspended in overbalanced positions underneath the table by removable link-rods hinged to the table and to the bins, respectively, each bin being trough shaped and consisting of the triangular end-walls, the oblique straight front portion, and the rear concave portion.

2. A kitchen table provided with two swinging bins suspended in overbalanced positions under the table, each bin being trough-shaped and comprising triangular end-walls, the oblique straight front portion, the rear concave portion, a cross-plate forming the shoulder *b'* with the end-walls, and the stop-pins L L' on the rear edge of the bin, in combination with the front cross-piece or strip L'' adapted to fit in the seat formed by the shoulder *b'* when the bin is closed and provided with a rearward extension or projection to engage the stop-pins when the bin is open.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE R. RUSSELL.

Witnesses:

H. F. NORCROSS,
A. M. MERCHANT.