

(No Model.)

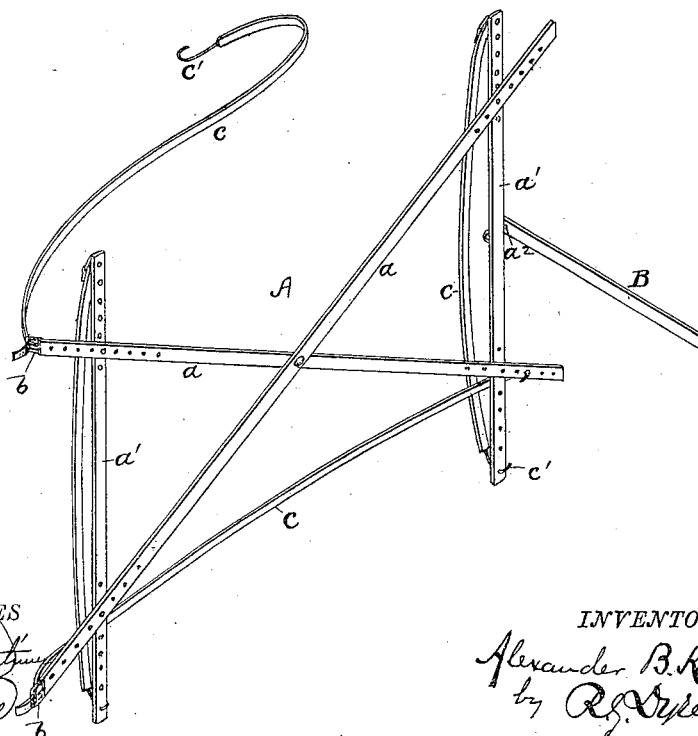
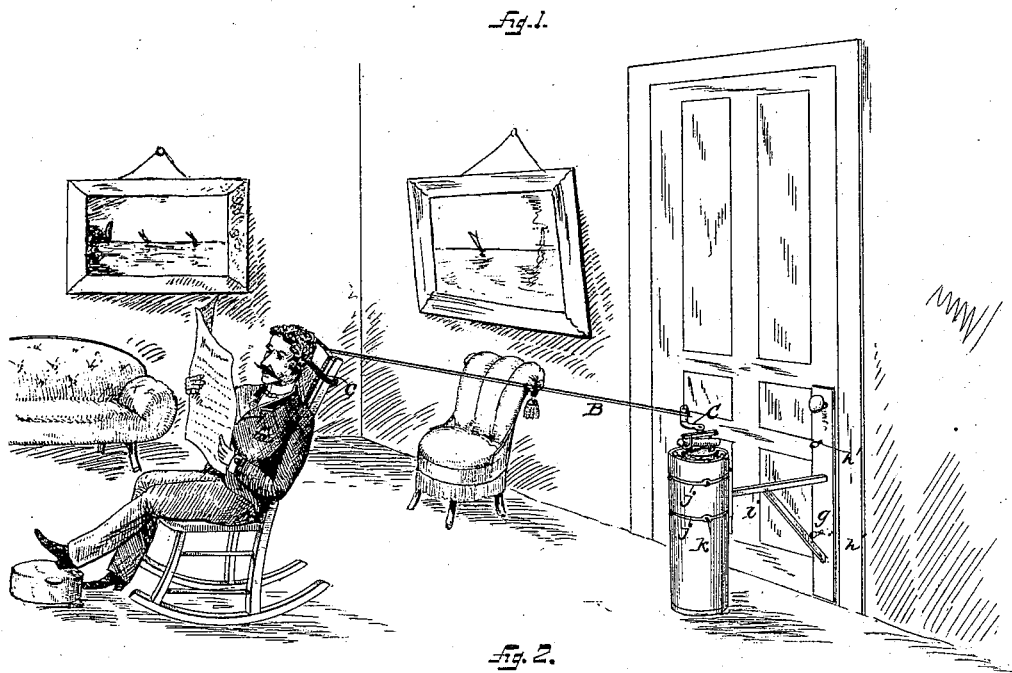
2 Sheets—Sheet 1.

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ROCKING SEAT MECHANISM FOR OPERATING CHURN DASHERS, &c.

No. 346,926.

Patented Aug. 10, 1886.



WITNESSES

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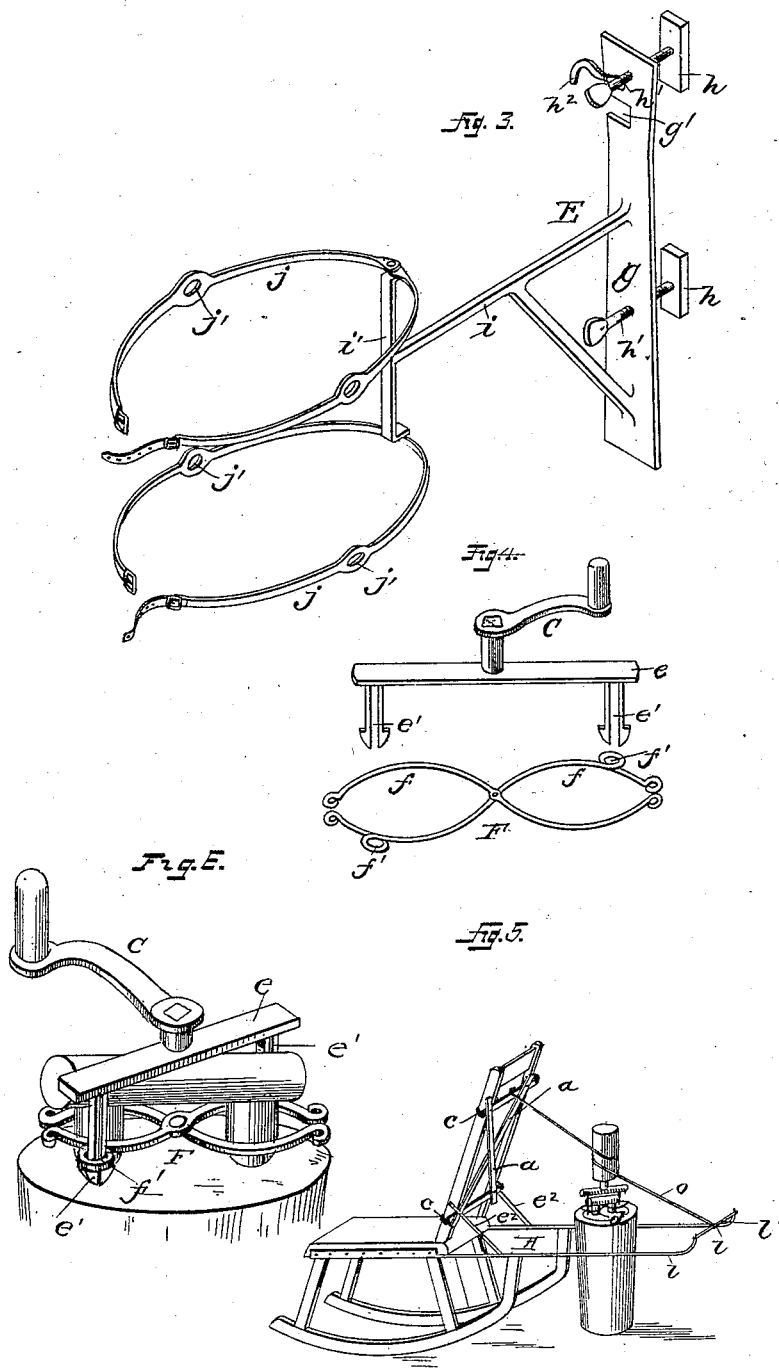
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UNITED STATES PATENT OFFICE.

ALEXANDER BENJAMIN KOKERNOT, OF NEW ORLEANS, LOUISIANA.

ROCKING-SEAT MECHANISM FOR OPERATING CHURN-DASHERS, &c.

SPECIFICATION forming part of Letters Patent No. 346,926, dated August 10, 1886.

Application filed October 23, 1885. Serial No. 180,780. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER BENJAMIN KOKERNOT, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Rocking-Chair Motors, of which the following is a description.

One object of my invention is to provide means which may readily be applied to any rocking chair to operate a churn, cream-freezer, sewing-machine, or other apparatus.

Another object of the invention is to provide for use in connection with the apparatus for operating the churn or other device a frame or bracket, which may be readily applied to the door-knob or equivalent projection in a room in which domestic operations are performed, firmly to hold the apparatus being operated.

The invention is embodied in a device consisting of a frame made of bars, detachably connected to the back of a chair, cream-receptacle, dasher mechanism therein, and a connection between the frame and the dasher mechanism, so that the movement back and forth of a chair, when occupied, will be communicated to the receptacle for the purpose of operating the dasher mechanism thereof; furthermore, the invention resides in various novel details of construction, whereby the effectiveness of the invention is increased.

In the accompanying drawings, in which like letters of reference denote corresponding parts, Figure 1 is a perspective view of my appliances as seen in the position of use. Fig. 2 is an enlarged perspective view of the frame detached from the back of the rocking-chair. Fig. 3 is a perspective view of the bracket to be secured to the door-knob. Fig. 4 illustrates details of construction of parts for connecting the arm, which is reciprocated by the rocking of the chair to the churn or freezer for revolving the same. Fig. 5 represents in perspective view a chair provided with my detachable frame, and also with a horizontally-extending frame, between which two frames a cord or band may be extended, passing around a vertical pulley, which is provided with means for attaching it to the freezer-can or churn-dasher to operate the same. Fig. 6 shows the upper end of a freez-

er arranged to be driven by my improved mechanism.

The letter A designates a detachable frame, which is composed of two bars, *a*, pivoted together at their centers, and two cross-bars, *a'*. Each of these bars is provided at both ends with a series of perforations, in which fastening devices—such, for example, as a screw-bolt and nut—may be secured to hold the parts together, as clearly shown in the drawings. The ends of these bars may be provided with buckles, in which one end of each of the straps *e* is secured. The other end of each of the straps is provided with a hook, *e'*, which is passed through one of the holes in a side of the frame opposite that to which the strap is secured to a buckle. The upper cross-bar, *a'*, is provided with a pin, *a''*, upon which a reciprocating rod, B, (shown in Fig. 2) or a cord (shown in Fig. 5) is attached.

The cover of the freezer-can or a churn-dasher may embody in its construction two upright posts, *d*, and it therefore becomes necessary to provide some means by which the rod B may be readily and properly attached to said can or churn-dasher to operate the same. For this purpose I have constructed a frame, F, composed of two like bars, *f*, made in the form of compound curves pivoted together at their middle points, so as to be opened and shut after the manner of a pair of tongs. One of these bars is provided at either end with loops *f'*, into which the prongs or projections *e'* of the crank device project. These bars are also provided with means at their ends for securing them together when they are placed on the upright posts *d*. By their peculiar construction the frame composed of the bars *f* is adapted to embrace the uprights and be securely held thereto. The crank C is secured to a bar or plate, *e*, having projections or prongs *e'* at its under side, and which are passed downward through the loops *f'* of the frame F to engage the same. When the frame F is secured to the cover of the freezer-can or to a churn-dasher, and the rod B is attached to the crank, as shown in Fig. 1, a proper rocking movement of the chair will cause reciprocating motion of the freezer-can or churn-dasher.

It is obvious that the manner of converting

the motion of the rocking-chair, and of connecting the reciprocating rod B to the churn-dasher or freezer, may be variously modified.

To prevent the accidental upsetting or other
 5 undesirable movement of the churning or freezing apparatus, I provide a bracket, E, composed of an upright piece, *g*, of suitable length having at one side and at its upper end a horizontally-extending incision or slot, *g'*, of
 10 a size which will permit the bracket to be hung or placed upon the shank or spindle of a door or other knob. This piece *g* is also provided, preferably at two or more points, with pads or blocks *h*, having preferably a
 15 universal joint connection with screw-threaded shanks *h'* passing through screw-threaded openings in the piece *g*. By means of these screw-threaded shanks of the blocks or pads the bracket may be adjusted in place upon the
 20 door to prevent its movement, as indicated in Fig. 3. A hook or latch device, *h''*, may be used to prevent the accidental displacement of the upright piece *g* from the shank or spindle of the knob. A bracket-arm, *i*, projects
 25 from the piece *g*, and is provided with a vertical piece, *i'*, to which are hinged straps *j*, provided with eyes or loops *j'*, to engage pins *k* on the ice-bucket of the freezer or on the churn-body.

30 Referring to Fig. 5, in addition to the frame A, which is secured to the back of the chair, I may provide a horizontally-extending frame, H. This latter frame is composed of parallel
 35 side arms, *l*, which are secured to the sides of the chair-frame in any suitable manner, and a cross rod or bar, *l'*, extending between and attached to the outer ends thereof. The outer
 40 ends of these side arms are preferably bent or turned upward. If desirable, brace bars or rods *e''* may extend from each of the side
 45 arms, *l*, to the side of the back of the rocking-chair.

All the parts just described may be attached permanently together and to the chair, or may
 45 be so attached as to be readily removable therefrom.

When this construction is used to operate the dasher or freezer, a grooved cylindrical pulley is suitably secured thereto, and a cord,
 50 *o*, or similar device secured to the pin *a''*, and at the middle point of the cross-bar *l'* passed by a turn or turns around said pulley. The rocking movement of the chair by this construction will, by means of the cord, cause the
 55 pulley to turn, and hence the dasher or freezer-can with it.

It will be seen that the devices herein described do not require for their use any par-

ticular construction of rocking chair or churn or freezer. They can be readily applied to 50 any of the ordinary constructions.

I do not limit myself to the particular construction of parts shown, as they may be variously changed and modified; nor do I limit
 65 myself to the use of the frame A in connection with churns and freezers, and the same frame with the reciprocating rod may be connected with other things in which motion is desired—for example, a fan, child's cradle, or
 70 washing-machine, &c.

The frame A can be folded compactly for transportation and storage.

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

1. The herein-described frame, consisting 75 of the bars adjustably secured together, provided with straps adapting it to be attached to a rocking-chair, and with a device connecting it to the object to be operated, substantially as set forth.

2. The frame detachably secured to the back of a chair and connected with a churn or freezer, substantially as described, in combination with a frame connected to the churn 85 or freezer, and having an opening and set-screw, whereby the freezer or churn may be attached to a door-knob or similar article, substantially as described.

3. A frame consisting of the bars adjustably secured together and connected to the 90 back of a rocking chair by straps, in combination with a cream-receptacle, dasher mechanism therein, and a connection between the said bars and dasher mechanism, substantially 95 as described.

4. The combination of the frame consisting of the bars adjustably secured together, attached to the back of a rocking-chair, a cream-receptacle, dasher mechanism therein, a rod 100 connecting the frame and dasher mechanism, and means for holding the cream-receptacle in place, consisting of the encircling arms and the bracket carrying said arms and held to a door, substantially as described.

5. The combination of the frame consisting of the bars provided near their ends with 105 holes entered by pins and attached to a rocking-chair, a cream-receptacle, dasher mechanism, and means for connecting the frame and 110 dasher mechanism, as described.

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Witnesses:

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