

(No Model.)

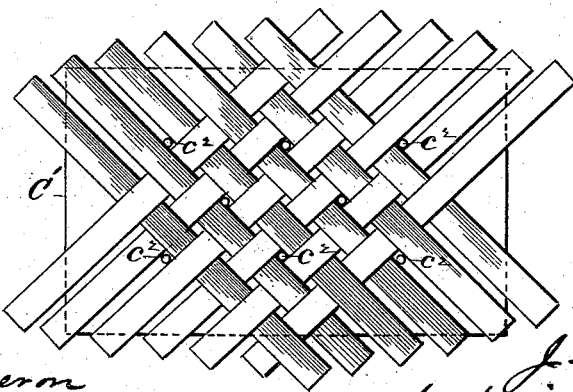
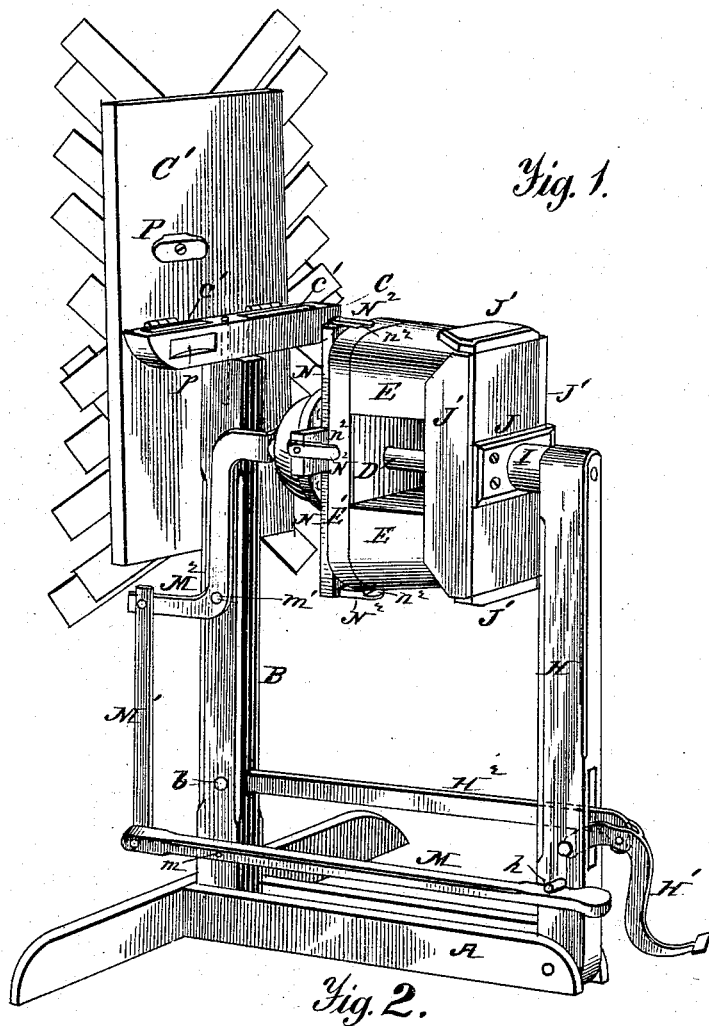
2 Sheets—Sheet 1..

J. HIBBARD.

BASKET MAKING MACHINE.

No. 265,079.

Patented Sept. 26, 1882.



Witnesses.
A. Ruppert.
L. A. Marceron

Inventor:
J. Hibbard
by Nottingham & Suggett
attys

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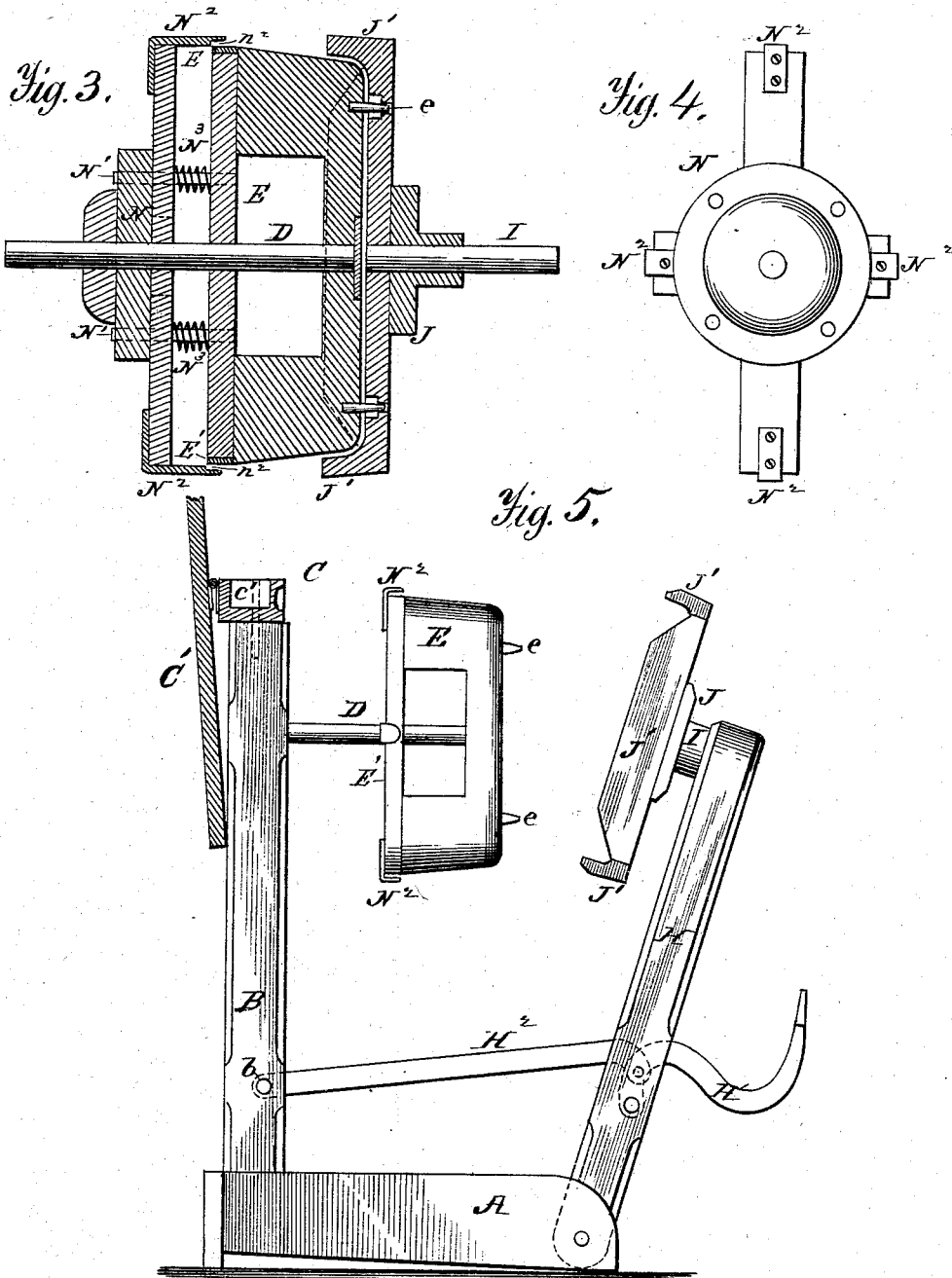
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UNITED STATES PATENT OFFICE.

JEROME HIBBARD, OF SOUTH BUTLER, NEW YORK.

BASKET-MAKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 265,079, dated September 26, 1882.

Application filed June 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, JEROME HIBBARD, a citizen of the United States, residing at South Butler, in the county of Wayne and State of New York, have invented certain new and useful Improvements in Basket-Making Machinery; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to a machine for making baskets; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth, and specifically pointed out in the claims.

The object of the invention is to produce a convenient and efficient machine to be employed in the manufacture of "diamond" and other baskets; and it is shown in the devices and elements illustrated in the accompanying drawings.

Figure 1 is a perspective view. Fig. 2 is a plan view of the table detached to show the position of the splints. Fig. 3 is a detailed sectional view of the former, "push-off" device, and the form; Fig. 4, a back elevation of the push-off device, and Fig. 5 a side elevation of my invention with the push-off device removed.

Referring to the drawings, in which similar letters of reference indicate like parts in all the figures, A represents the base-plate or frame, rigid with which is a vertical standard, B, in the upper portion of which is pivoted a cross-bar, C, provided with nail-pockets c' , and to which is hinged the laying-out table C' , having pins c^2 . Arranged horizontally and rigid with the standard B is a bar, D, upon which is loosely hung the form E, which is readily removed when it is desired to use one of a different shape or size, and which turns easily upon the shaft D.

Pivoted to the base A is a lever, H, which carries upon its upper extremity a shaft, I, upon which is loosely hung a former. This former consists essentially of a body, J, having flaring rigid sides J' , which give the former

the approximate form of a box with open corners. The lever H is operated by means of a pedal-lever or toggle, H' , pivoted thereto, and to a limb, H^2 , which in turn is pivoted to the standard B at b .

It will be understood that, the basket-blank having been laid out by means of the pins c^2 upon the table C' , the blank is removed, the table raised out of the way, and the blank placed upon pins e upon the form E. Power then applied to the treadle H' forces the lever H and the former toward a vertical position, the pins e being received in corresponding apertures in the former. The rigid flaring sides bend the splints composing the basket over the form and permit the weaving in of said splints at the sides and corners.

The form E is of a size and form corresponding with the shape of the basket to be made, and the back edge forms a bearing, E' , whereon the basket-band is nailed.

Pivoted at m to the base A is lever M, which is loosely connected to a link, M' , pivoted to a crank-lever, M^2 , which is pivoted to the standard at m' . The opposite end of this lever M^2 connects with a cross-frame, N, which is loosely hung upon the bar D, and which has guide-pins N' , which work loosely in holes in the form E, and arms N^2 , which pass outside the form E and have shoulders n^2 , against which the basket's band rests while being nailed to the basket. Spiral springs N^3 between the frame N and the form E hold this frame out of operation while the former and form are grasping the basket; but as soon as the band has been nailed on and the basket finished the power is released by raising the treadle H' , which action withdraws the former, and a pin, h , upon the lever H, striking the lever M, forces the frame N outward, the shoulders n^2 of the arms N^2 pressing against the basket-band, and the basket in a finished condition is forced off the form. It will be observed that this entire operation is performed by a single pedal-lever, and that the push-off device is operated automatically.

It will be observed that the push-off device and mechanism for operating the same may be omitted, in which case the arms N^2 are secured to the form, as shown in Fig. 5.

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I do not confine myself to any form or size of basket or to any particular construction of the devices named. The machine would be equally serviceable in the manufacture of a great many different forms or varieties of baskets.

Modifications in details of construction may be made without departing from the principle or sacrificing the advantages of my invention, the essential features of which are shown and described.

The laying-out table is held in horizontal position by means of a button or other catch, P, which fastens into a slot in the cross-bar C, and when tipped back exposes the nail-pouches, as shown.

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

1. In a basket-making machine, a former having rigid flaring sides, combined with a form having face-pins, means, substantially as described, for forcing the said former against the form, and means, substantially as described, for automatically forcing the completed basket off the form, all substantially as and for the purpose herein set forth.

2. A form having face-pins adapted to receive and hold the basket-blank, and loosely hung upon a bar, combined with a former similarly hung, and with means for forcing them together, all substantially as and for the purpose hereinbefore set forth and shown.

3. The former E, having pins e, and the frame N, having arms N², with shoulders n², combined with the former J, and with means for automatically forcing a basket off the form as the former is withdrawn, all substantially as and for the purpose hereinbefore shown and set forth.

4. The lever H, having pin h, and the lever M M², combined with the frame N, having arms N² n², the spring N³, the swiveled form E and former, and operating means, all substantially as and for the purpose hereinbefore shown and set forth.

This specification is now signed by me, at South Butler, Wayne county, New York, January 30, 1882, in the presence of two witnesses.

JEROME HIBBARD.

Witnesses:

WM. H. CLAPP,
NETTIE HIBBARD.