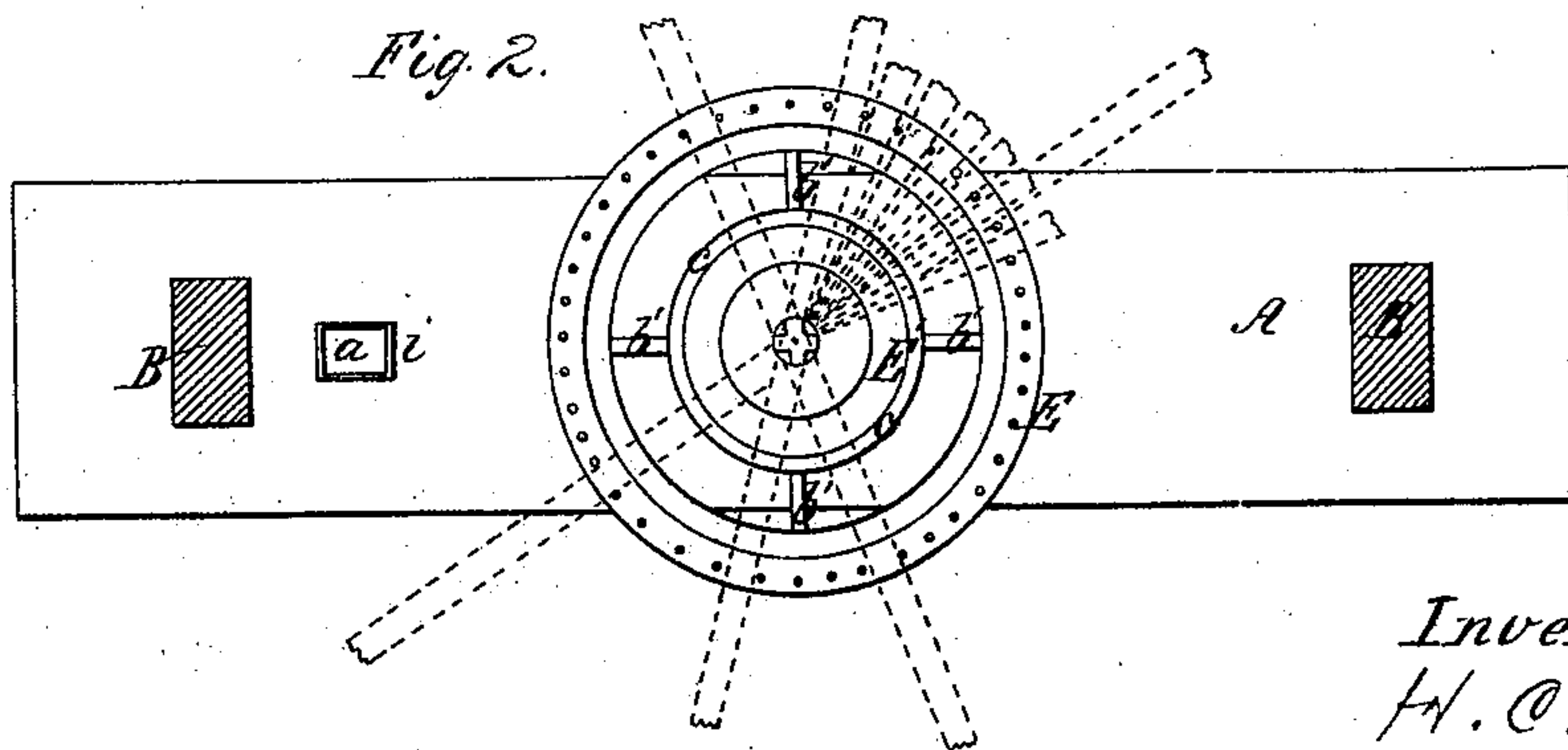
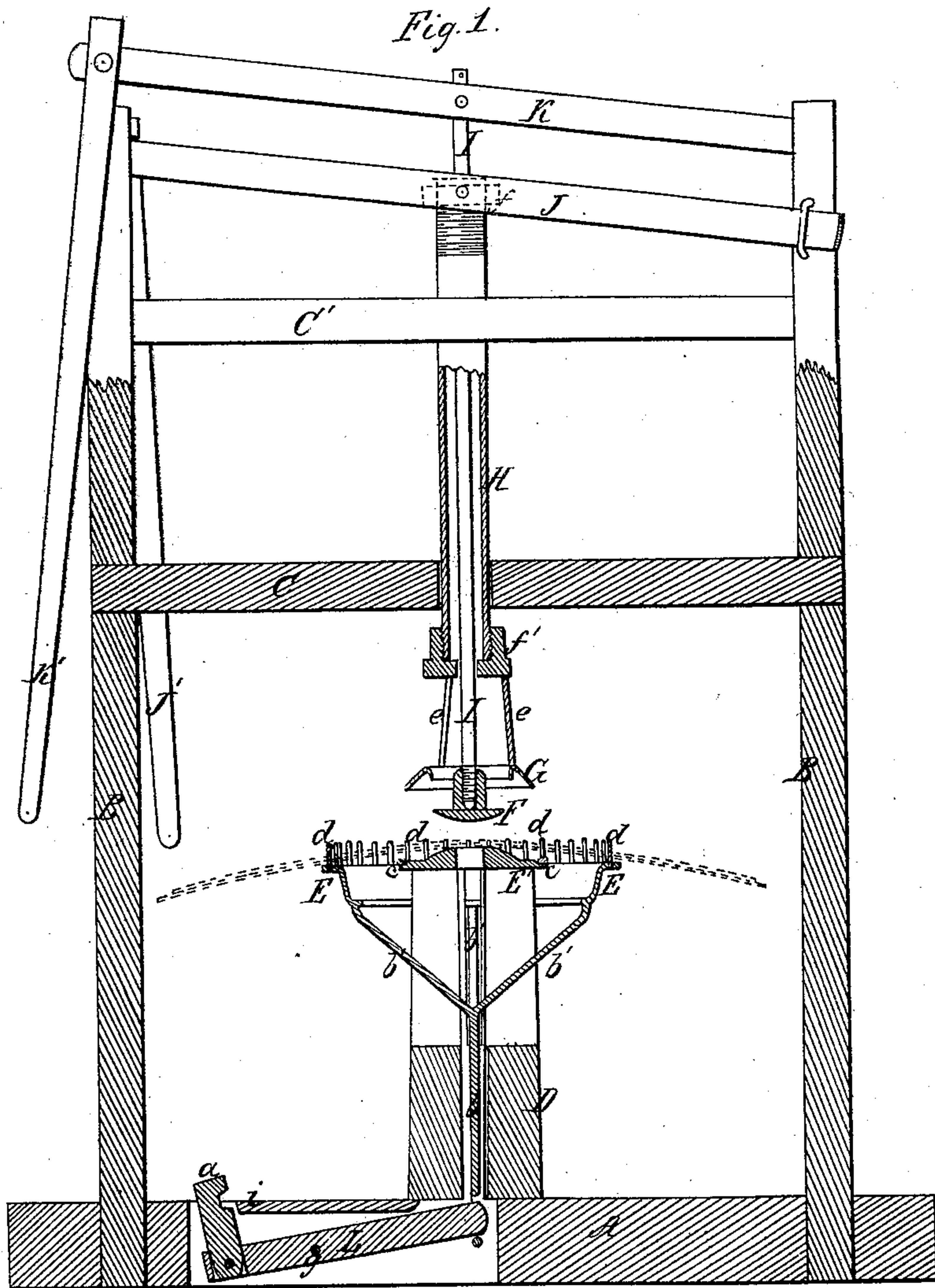


H. C. Jones.

Making Baskets.

No 100,902

Patented Mar. 15, 1870.



Witnesses;
R. T. Campbell
J. A. C. [unclear]

Inventor;
H. C. Jones

by
Mason Lemock Lamer

H. C. Jones.

Sheet 2-2, Sheets.

Making Baskets.

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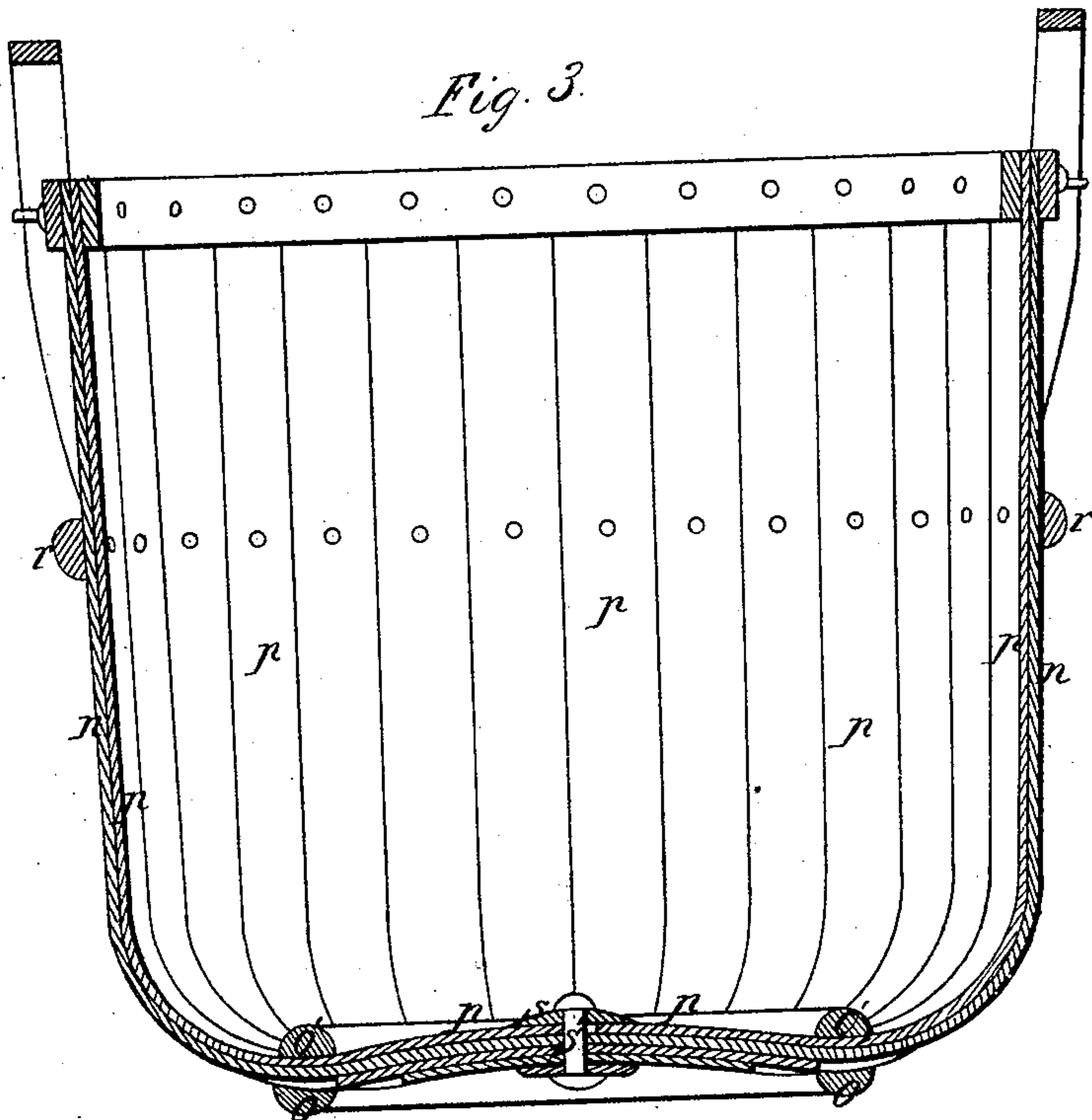
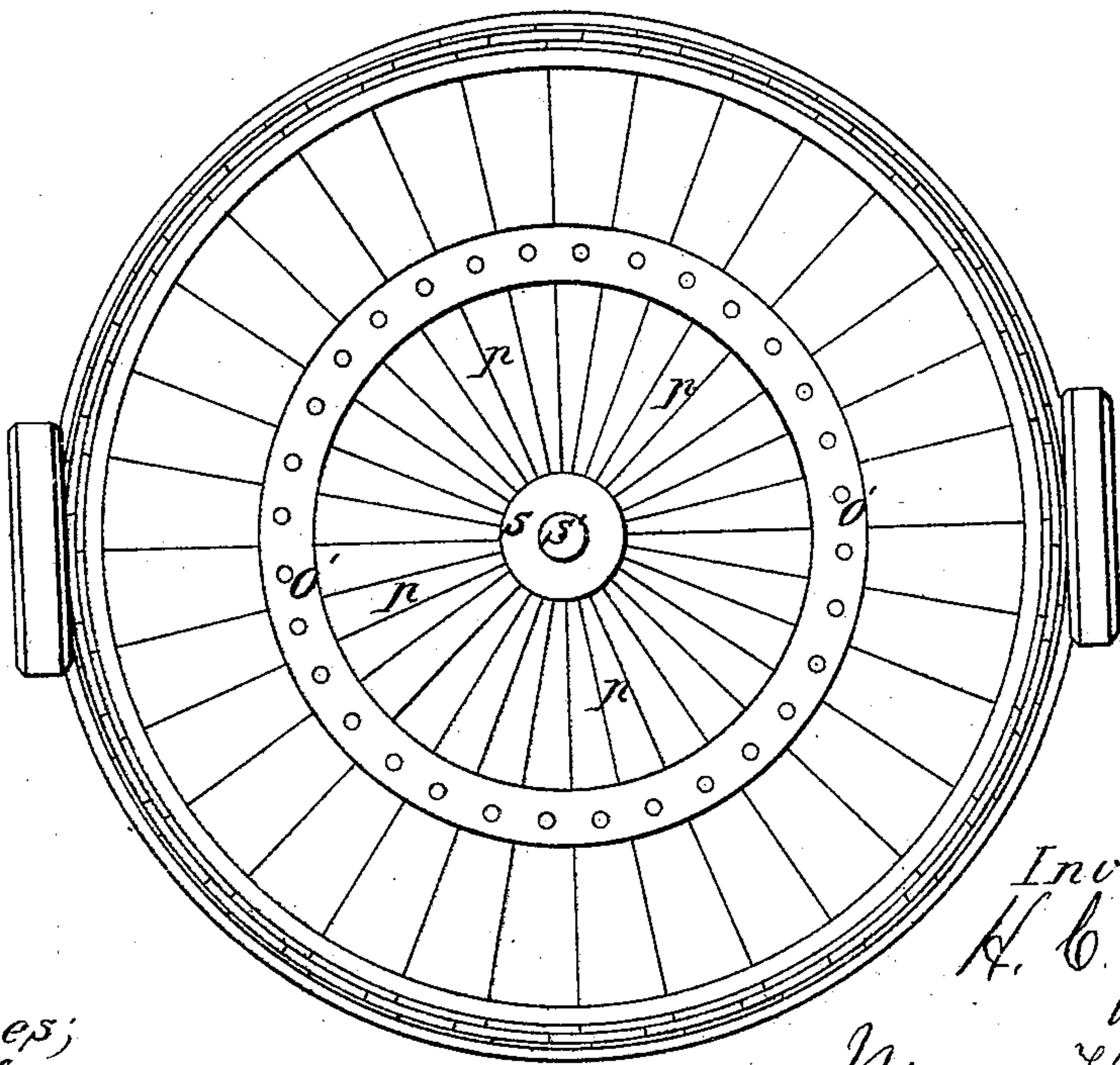


Fig. 4.



Witnesses;
R. T. Campbell.
J. C. Campbell.

Inventor;
H. C. Jones
by
Mason, Fenwick & Lawrence

United States Patent Office.

HORACE C. JONES, OF DOWAGIAC, MICHIGAN.

Letters Patent No. 100,902, dated March 15, 1870.

IMPROVEMENT IN THE MANUFACTURE OF STAVE BASKETS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, HORACE C. JONES, of Dowagiac, in the county of Cass, and State of Michigan, have invented a Machine to be used in the Manufacture of Stave Baskets; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1, sheet 1, is a vertical sectional view of the new machine.

Figure 2, sheet 1, is a section, taken horizontally through the machine.

Figures 3 and 4, sheet 2, are views showing the kind of basket which the machine is intended to make.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to facilitate the manufacture of the stave basket for which Letters Patent were granted to me on the 11th day of August, 1868, by so organizing a machine that the external and internal staves, constituting the outer layer and the lining of the baskets, can be readily adjusted and held in proper position for being secured together, as will be hereinafter explained.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

The frame of the machine consists of a horizontal bed, A, from which rise perpendicularly two standards, which are connected together at two points by horizontal bars C C'.

From the center of the bed A of this frame rises perpendicularly a post, D, upon the upper end of which a circular plate, E', is secured, having a hole through its raised central portion, and an annular rebate, c, near its outer edge, as shown in figs. 1 and 2.

Beneath this plate E', the post D is slotted, and centrally perforated, for receiving the rod b and branch rods b', that support and have secured to them a ring, E, upon the upper edge of which a number of vertical pins, d, are arranged, at regular distances apart, entirely around this ring.

The central rod b is loosely attached, at its lower end, to one arm of a lever, L, which is pivoted, at g, in a slot made in the bottom of the frame-bed A; the other arm of which lever has a latching-piece, a, pivoted to it, the notch in which will receive a lip, at i, fig. 1, when the ring E is elevated, which will sustain the ring in an elevated position.

I is a vertical rod, whose axis coincides with the axis of plate E', and which is provided, on its lower end, with a circular follower, F, having a convex bottom side.

This rod I passes centrally through a tubular shaft,

H, and is guided by means of nuts, f f', at the extremities of the shaft.

By means of a lever, K, and pendent handle, K', the rod I can be moved either up or down, as may be required.

The tubular shaft H is connected, at its upper end, to a lever, J, by means of the swivel-nut f, and on the free end of this lever J is a handle, J', by means of which shaft H can be moved up or down.

This tubular shaft H passes through and is guided by the cross-bars C C' of the frame; and to its lower end a concave follower-ring, G, is secured by means of arms e e and the nut f'.

The ring G is concave on its bottom side, and maintains a position which is concentric to the axis of follower-rod I.

Operation.

The bottom hoop o, shown in fig. 3, sheet 2, is adjusted upon the plate E' in the rabbeted portion c, after which the staves, lettered n in fig. 3, which extend from side to side of the basket, and form the outer thickness, are arranged diametrically across the ring E and plate E', and properly adjusted between the studs or pins d on ring E, as indicated in fig. 2 in red lines. The operator then draws down the follower F, so that its convex side presses firmly upon the central portions of the staves directly over the center of the plate E'. While the follower F is thus held, the pointed ends of the staves p, which constitute the lining or inner thickness of the basket, are adjusted beneath the convex side of the follower F, and their outer ends adjusted between the pins or studs d. The ring-follower G is then brought down forcibly upon the two layers of staves, and sufficient pressure applied to it to give the bottom of the basket a swelling or rounded shape. The hoop o' is then adjusted in place, and nailed to the hoop o, the nails all being clinched on the outer side of the basket-bottom, after which the follower F is raised, and the pointed ends of the staves p secured to the staves n, and covered by a cap, s, and rivet s'. The ends of the staves are then drawn together, and the basket shaped, hooped, and finished in the usual manner.

It will be seen, from the above description, that I have contrived a machine wherein the staves forming the two thicknesses or layers in the basket can all be readily and properly adjusted in their places, and then held in this condition while they are secured between the internal and external bottom hoops.

It will be seen that the base-plate E' is made so that when pressure is applied to the staves by the ring-follower G, the proper concavo-convex form will be given to the basket-bottom. This plate is also

made so as to hold the bottom hoop or foot-ring *o* in proper position beneath the staves until this hoop or ring *o* is riveted to the staves.

Having described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The spurred ring *E*, in combination with a central plate, *E'*, and a follower, *F*, substantially as and for the purposes described.

2. The ring follower *G*, in combination with the spurred ring *E* and the plate *E'*, substantially as and for the purposes described.

3. The construction of the plate *E'* with a hoop

seat, *c*, and a convex surface, substantially as and for the purposes described.

4. The follower *F*, constructed with a convex bottom, in combination with the plate *E'*, said parts being arranged and made adjustable substantially as described.

5. A basket-making machine which is constructed substantially as herein described.

HORACE C. JONES.

Witnesses:

T. W. CLYBORN,

WM. A. STOW.