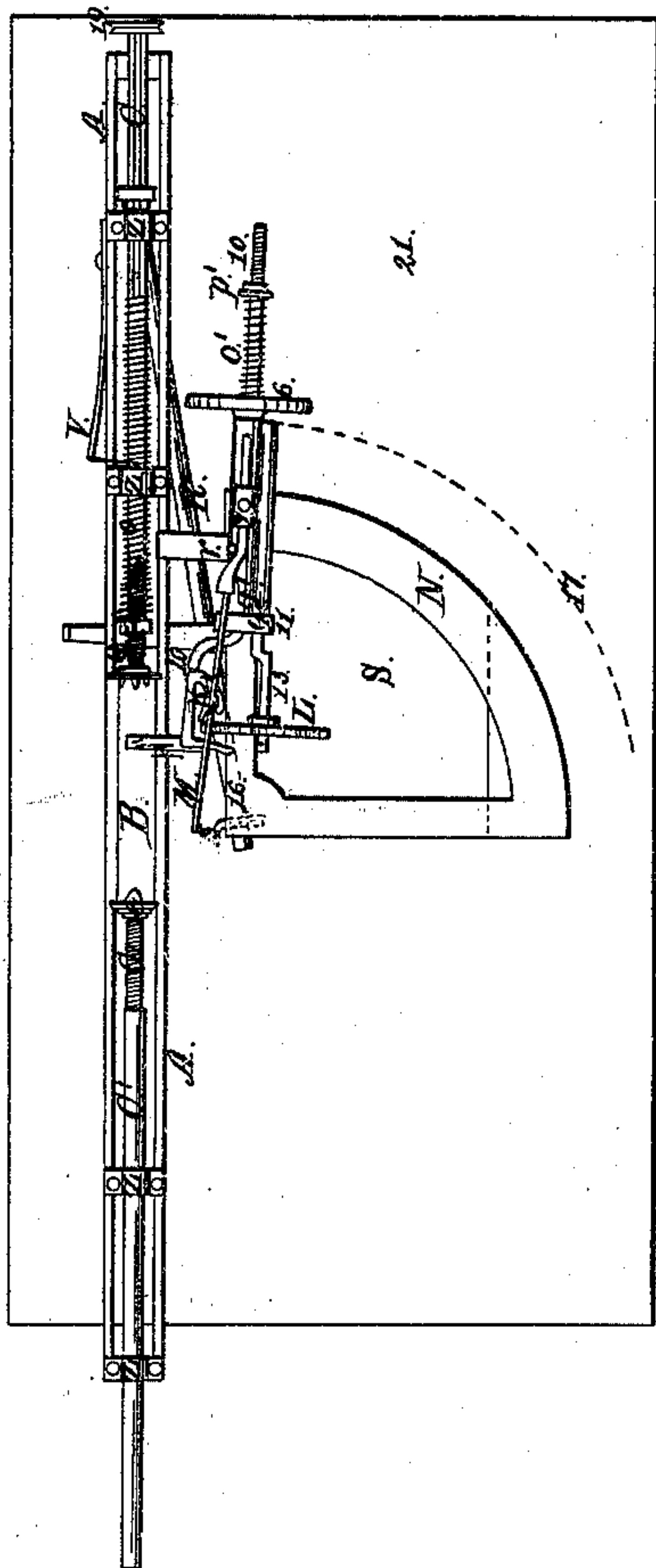


*F. H. Brown.*  
*Weaving Baskets.*

*N<sup>o</sup> 68,695.*

*Patented Sept. 10, 1867.*

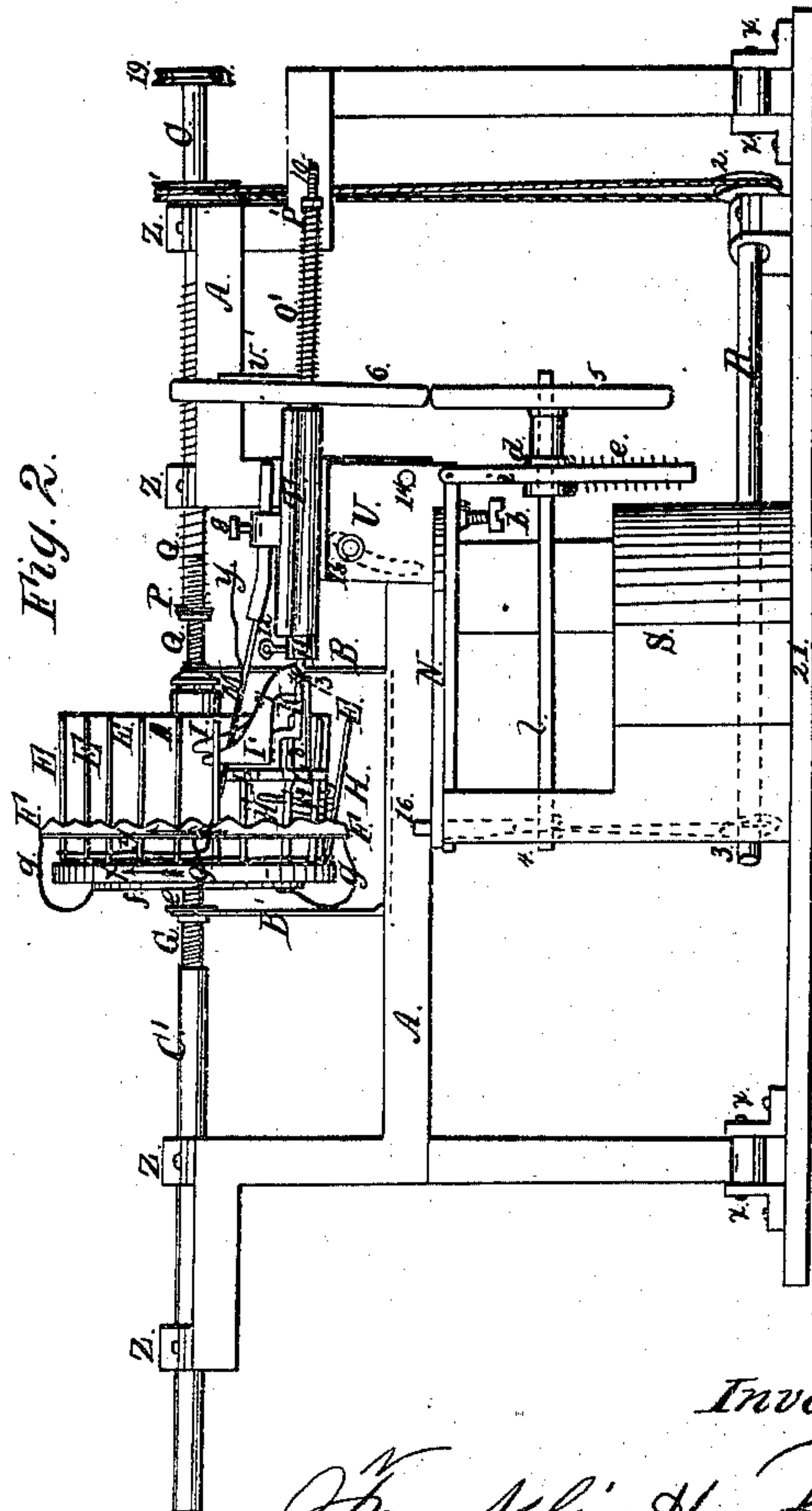
*Fig. 1.*



*Witnesses.*

*Geo L Chopin*  
*A Hayward*

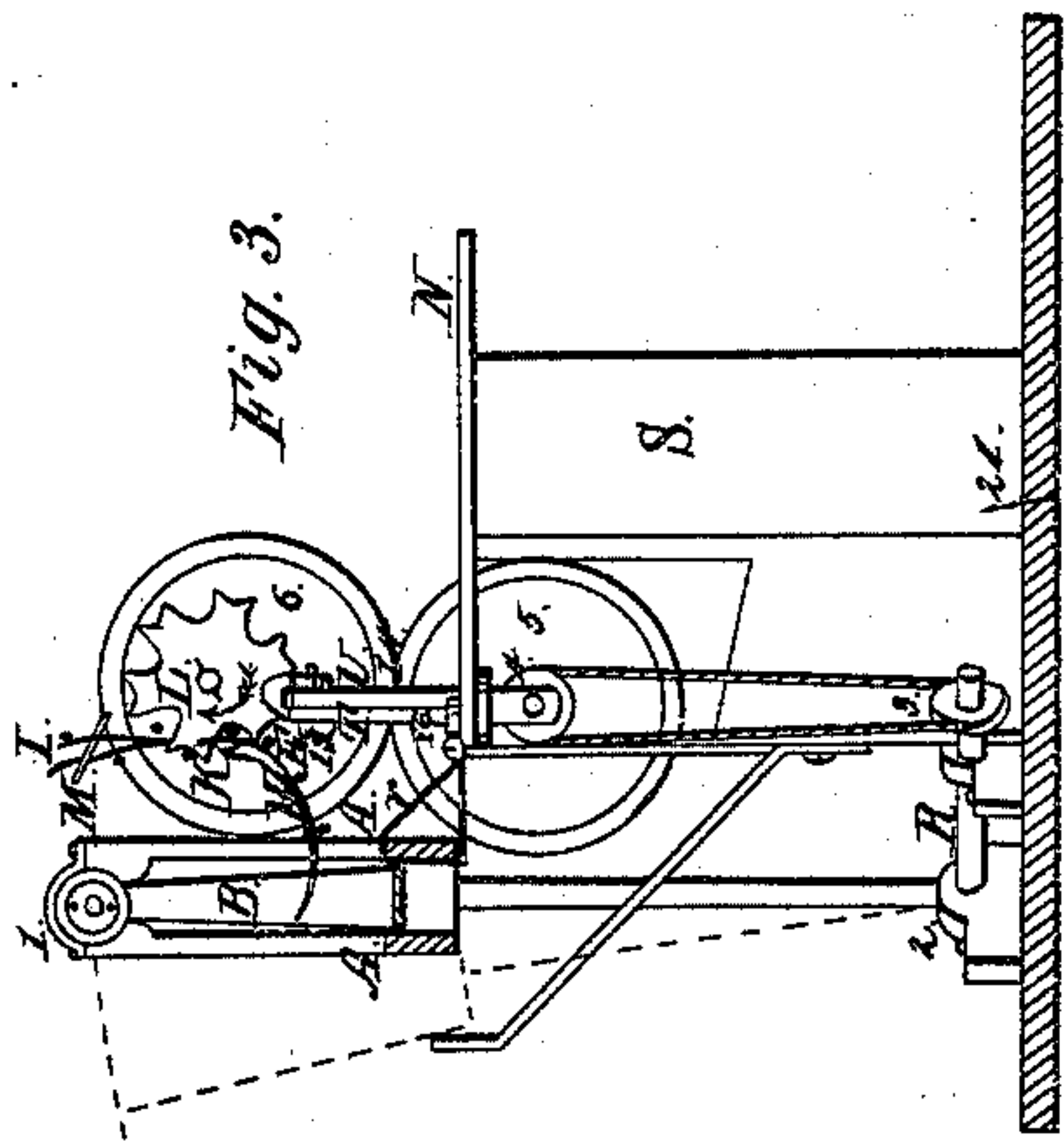
*Fig. 2.*



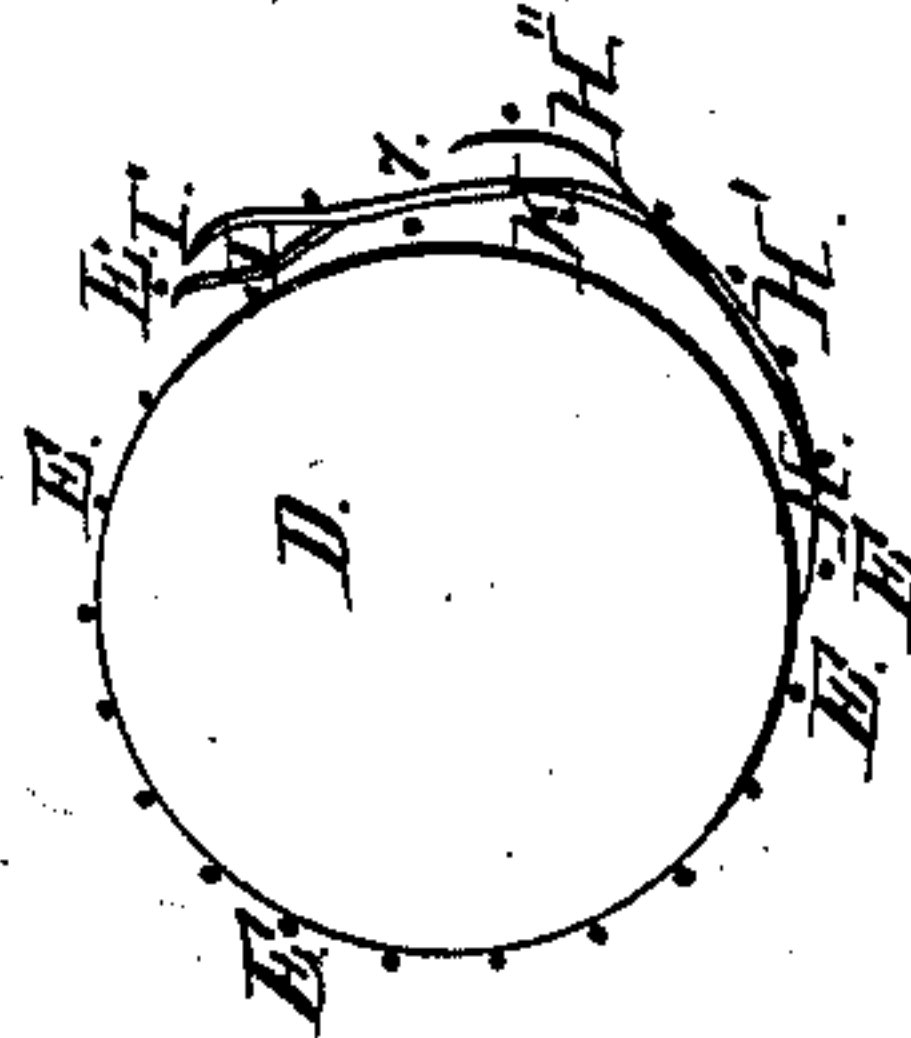
*Inventor.*

*Franklin H. Brown*

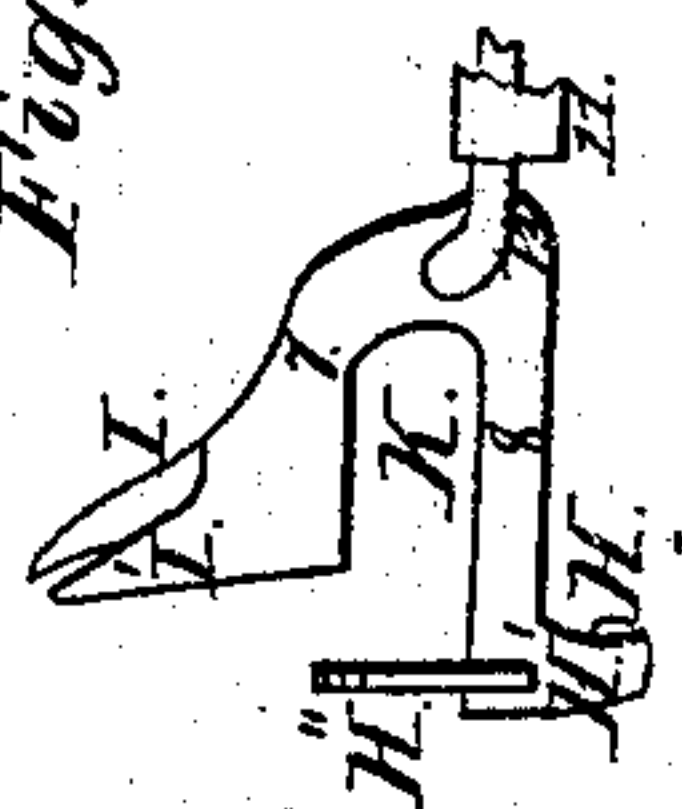
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*





# United States Patent Office.

FRANKLIN H. BROWN, OF CHICAGO, ILLINOIS, ASSIGNOR TO HIMSELF,  
EDWARD F. PEUGEOT, AND LEMUEL H. FLERSHIEM.

*Letters Patent No. 68,695, dated September 10, 1867; antedated March 10, 1867.*

## MACHINE FOR WEAVING BASKETS.

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

### TO ALL WHOM THIS MAY CONCERN:

Be it known that I, FRANKLIN H. BROWN, of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful Machine for Weaving Baskets; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a plan view of my weaving machine with the form removed.

Figure 2 is an elevation of the same with all of its parts attached.

Figure 3 is a transverse sectional elevation.

Figure 4 is a section of the form and a part of the weaving devices.

Figure 5 is a view of the elevator for raising the uprights from the form, and the fork in which the feed-bar operates.

My invention relates to that class of machines which are constructed to perform certain kinds of work automatically, and is to be used more especially in weaving baskets of various forms, covering demijohns, and all similar kinds of work done over a form; and its nature consists in holding the basket form between two surfaces, one or both of which are made to give motion to the form for putting in the filling, and in the use of such mechanical appliances as will move the basket form back regularly, according to the size of the filling used, whether weaving open or close work; also in supporting the basket form and its attachments upon an oscillating frame so arranged that oval and irregular forms of baskets may be woven; and further, in supporting the weaving devices by means of a pivoted frame, which may be adjusted so as to place the weaving devices in position for weaving flat bottoms for baskets, and in using separating devices and weaving-wheel for putting each alternate upright over and under the filling, while the feed-bar supports the same in position.

To enable others skilled in the art to make and use my invention, I will describe the method of construction and operation.

21 represents the platform supporting the frame A by means of the pivots X X. Z Z are the bearings attached to the top of the frame A, in which the shafts C' C may have a longitudinal motion. B is the yoke, the bottom of which is made to slide in order that the form D may move backward. The upper ends of the yoke pass around the shafts C' C, and move with them. O represents the coil-spring, one end of which is rigidly attached to the shaft C, and the other end passing around the nut P operating on the screw Q, in order that the space between each coil may be increased or diminished for the purpose of causing the form D to move a greater or less distance during each revolution of the shaft C. The spring V having a point passing between the coils and against the shaft C, assists in regulating the movement of the block backward. The spring V' is attached to and revolves with the wheel 6, one end of the spring passing between the coils of O' and resting against the shaft 10, giving longitudinal motion to the weaving devices to correspond with the motion given to the form D by means of the shaft C, spring V, and coil O. T is the frame supporting the shafts to which the weaving devices are attached, and it is hung to the frame U by means of the pivot 14, in order that the frame may be elevated and held in position by the set-screw 15 for elevating the weaving devices relatively to the form D. The frame U is pivoted to the segment N at 16, and may be swung, as shown by the dotted lines 17, in order that the weaving devices may occupy a position for weaving a flat bottom for a basket. F is the controlling band, having short, even teeth, for keeping the uprights or warps E E, &c., in position and evenly spaced; the springs g holding the band in position. G is the screw by means of which a longer or shorter form may be adjusted in the yoke B. H H' H'' is the guide for forcing the uprights E outward from the form preparatory to their being woven over and under the filling. L represents the weaving-wheel hung to the shaft 13, and used for forcing each alternate upright through the opening K, and between the form D and fork I I', the uprights operating the wheel when revolving with the form D. I' shows the separator, keeping the uprights apart for putting in the filling; and I is the guide protecting and supporting the feed-bar M, which may be adjusted by means of the set-screw 9. 7 8 show the peculiar construction of the shank of the fork I I' and the guide H H' H'', forming, by their connection, the opening K, in order that each alternate upright may pass through. These forks I I' act as a separator, keeping the uprights E E, &c., in position for receiving the filling Y after



the weaving-wheel L has forced inward each alternate upright E, as clearly shown at figs. 2 and 3. It will be seen from this description that it requires the combined action of the separator I I' and the weaving-wheel L in order that the filling may be put in. The fork or separator I I' is also essential in supporting the feeder M which passes between the prongs of the fork, and preventing it from getting out of place when in operation. The shafts 10 and 13 pass through the frame T, and are held together by means of the band 11, the shaft 13 being adjustable, so as to place the weaving-wheel L in the proper position relative to the opening K.

*Operation.*

The uprights E E, &c., can be put on the form D in the usual manner. The power is applied to the shaft C, and motion is given to the pulley 2 and shaft R, driving-pulleys 3 and 4 and wheels 5 and 6 operating the shafts 10 and C, as described. The filling Y, when short, must be supplied by hand. After the basket is completed the springs V V' can be raised, which will allow the form to be slid back to its original position; also the weaving devices in the same manner.

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

1. The coil-spring O in combination with the shaft C, nut P, and spring V, or their equivalents, for the purpose of moving the form D backward regularly and for adjustment, substantially as set forth.
2. The oscillating frame A in combination with the basket form D and weaving devices, substantially as and for the purpose set forth.
3. The yoke B, in combination with the shafts C C', for the purpose of holding or clamping the form D, as specified.
4. The feed-bar M, in combination with the separator I I', substantially as described and set forth.
5. The guide H H' H'', substantially as and for the purpose specified.
6. The fork I I', as and for the purpose specified.
7. The weaving-wheel L, in combination with the separator I I', when constructed to separate and keep the uprights E E, &c., in position to receive the filling Y, as set forth.
8. The controlling band F, constructed as described, as and for the purpose specified.
9. The peculiar construction of the shank 7 and 8, forming the opening K, as and for the purposes set forth.
10. The frame U carrying the weaving devices, and pivoted so as to turn about a centre, as and for the purposes set forth.

FRANKLIN H. BROWN. [SEAL.]

Witnesses:

GEORGE L. CHAPIN,  
A. HAYWARD.