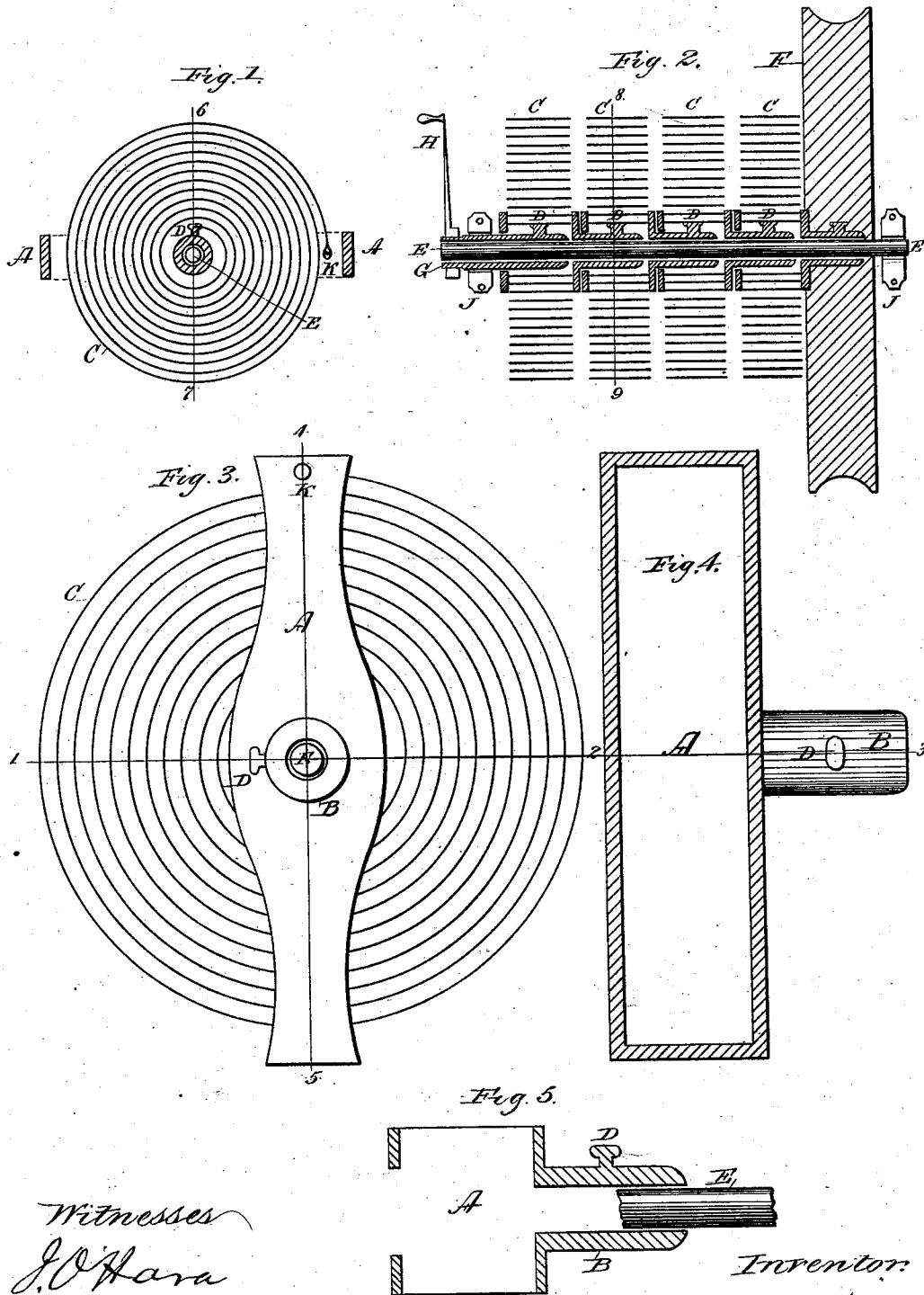


(No Model.)

N. A. BAKER.
MOTOR.

No. 260,352.

Patented July 4, 1882.



Witnesses
J. O'Hara
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UNITED STATES PATENT OFFICE.

NOAH A. BAKER, OF COVINGTON, KENTUCKY.

MOTOR.

SPECIFICATION forming part of Letters Patent No. 260,352, dated July 4, 1882.

Application filed January 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, NOAH A. BAKER, of the city of Covington, in the county of Kenton and State of Kentucky, have invented a new and useful motor or machine composed of a combination of coiled springs, which invention is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to concentrate the power and force of a series of coil-springs by combining them in such manner as to operate or drive light machinery by means of thimble and button attachment to the frame containing the coil-spring, as shown in the accompanying drawings, to-wit:

Figure 1 represents one of the series of coiled springs as on the lines 8 and 9 in Fig. 2. Fig. 2 represents a series of four coiled springs in combination as on lines 6 and 7 in Fig. 1, in connection with driver F, thimble G, and crank H. Fig. 3 represents an outward view of the frame A and spring C. Fig. 4 represents an outward view of frame A at right angles to Fig. 3, with the thimble attachment B, and showing the button D. Fig. 5 represents a section of the frame A as on line 6 and 7 in Fig. 1, showing the thimble attachment B, with the button D, in connection with the shaft E.

A is a metal frame for holding in position the coil-spring C by the aid of the shaft E, pin K, and button D; B, thimble or hollow projection cast on frame A for connecting the adjacent spring by the aid of the button D, fixed so as to be attached to the inner end of the spring; C, coiled spring; one end of which is fastened to the frame A by the pin K. The other or inner end is fastened to the thimble B, attached to the adjoining frame, by means of the button D; D, button cast on thimble B

of the frame A, by means of which it is fastened to the inner end of the coiled spring C in the adjoining frame; E, shaft passing within the thimbles B through the whole series of coils C and through the driving-wheel F, holding all in line; F, driving-wheel by means of which, with belt or gearing, the power of the springs may be communicated to the machinery intended to be driven; G, an open thimble fitting on the shaft E, with a button, D, by means of which it is fastened to the inner end of the last spring in the series or combination, the outer end resting on the journal J, and having the crank H attached; H, crank attached to outer end of the open thimble G for winding the combination of springs; J, journals on which the shaft E and the thimble G rest; K, pin to fasten the outer end of the coil-spring C to the frame A, the inner end of the same spring being fastened by means of the button D to the thimble B on the adjoining frame.

The hole in the frame A through which the thimble B is inserted into the adjoining frame to make the connection with the spring therein will have a slot to allow the button D on the side of the thimble to pass. The entire motor should be made of metal, the spring of the best steel.

I claim as my invention—

The frame and thimble contrivance for connecting the series of springs together, by means of which the whole force and power of all the springs in the combination are made to operate at one and the same time for the movement of machinery, substantially described in the foregoing specification and drawings annexed.

NOAH A. BAKER.

Witnesses:

J. O'HARA,
J. W. BRYAN.