

(No Model.)

W. T. KELLOGG.

GALLOWS FRAME FOR PORTABLE DRIVING MECHANISMS.

No. 279,650.

Patented June 19, 1883.

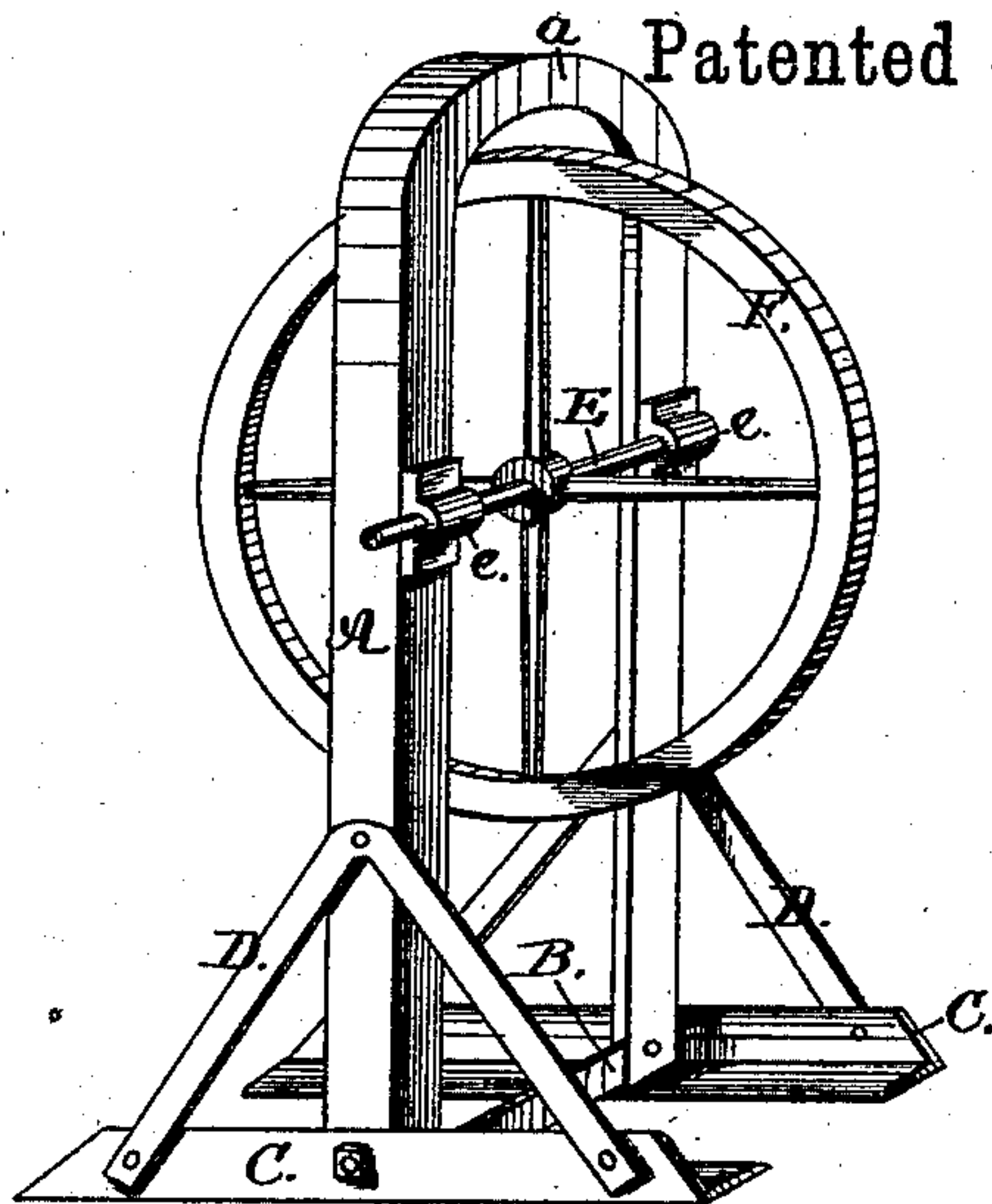


FIG. 1.

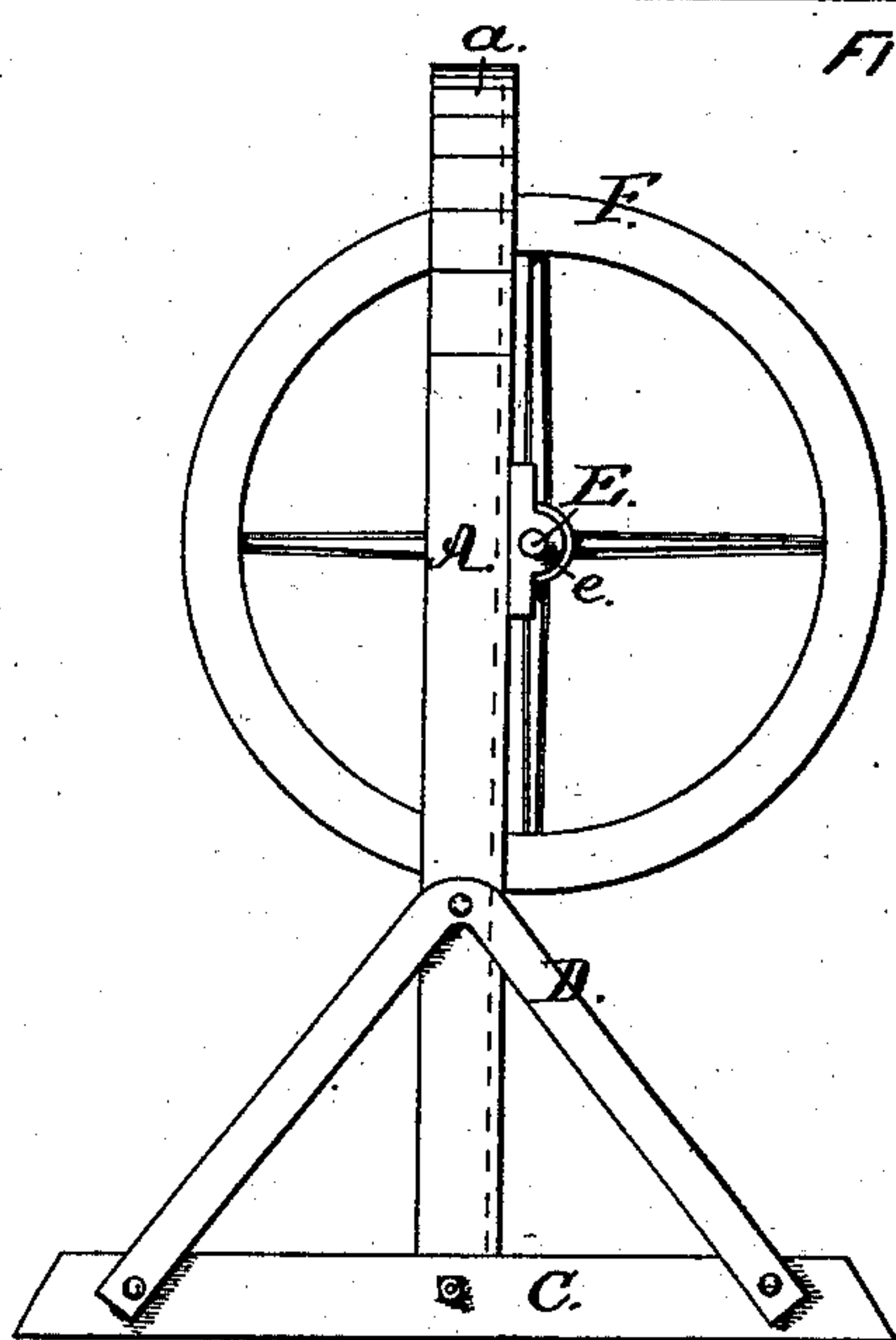


FIG. 2.

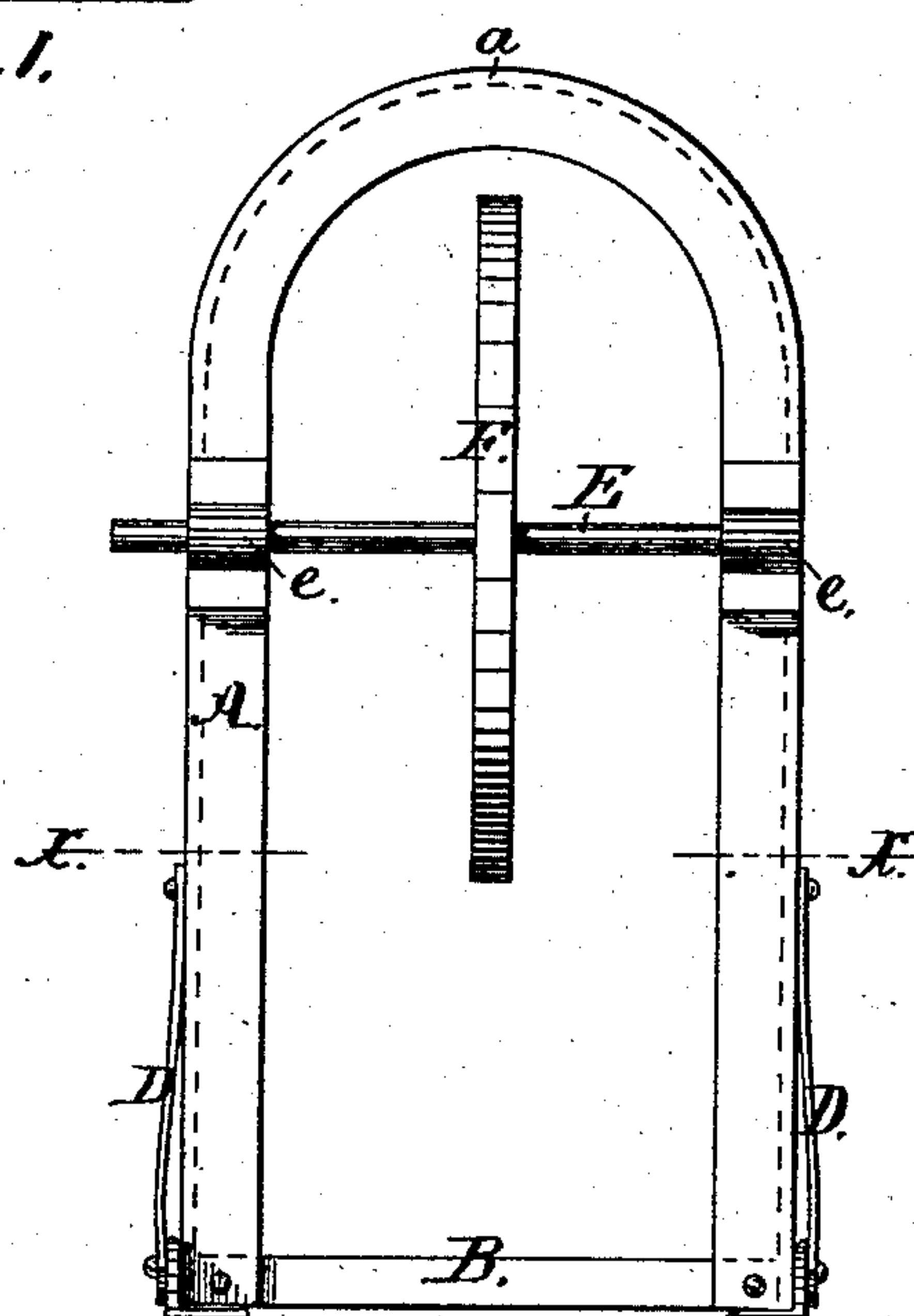


FIG. 3.

Witnesses.

C. J. Mattison.

J. B. Brewer.

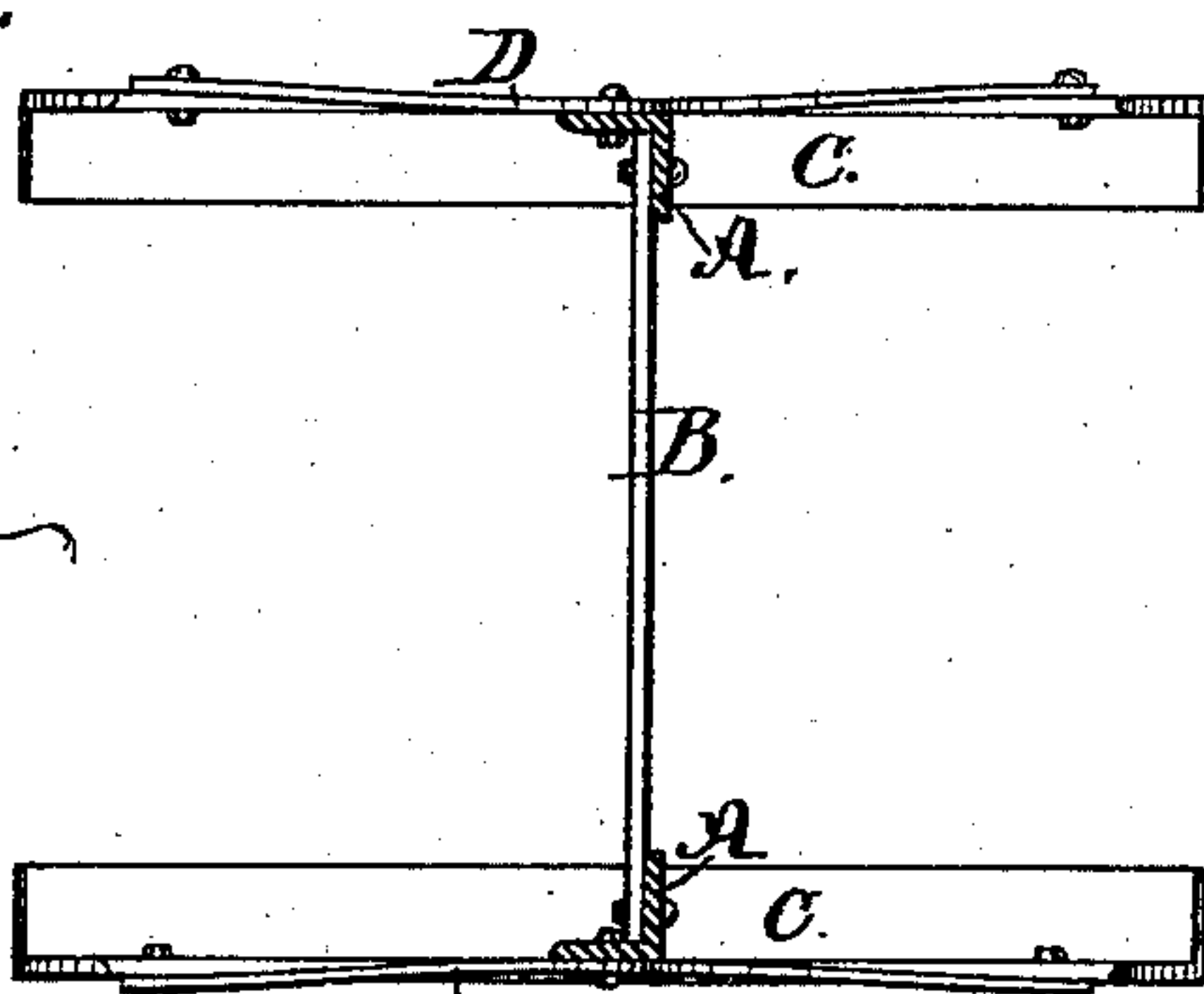


FIG. 4.

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GALLOWS-FRAME FOR PORTABLE DRIVING MECHANISMS.

SPECIFICATION forming part of Letters Patent No. 279,650, dated June 19, 1883.

Application filed February 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, WARREN T. KELLOGG, of Cohoes, in the county of Albany and State of New York, have invented certain new and
5 useful Improvements in the Construction of Gallows-Frames for Portable Driving Mechanism, of which the following is a specification.

My invention relates to improvements in the construction of frames for containing
10 portable devices for imparting motion to rotary fan-blowers and other revolving machinery; and the object of my invention is to provide for such purposes a fire-proof frame combining the maximum of strength with the
15 minimum of weight.

To this end my invention consists in constructing said frames entirely of wrought-iron, of which the greater part is in the form of angle-iron bars, the several parts being constructed and combined in the manner herein
20 shown and described.

In the accompanying drawings, which form part of this specification, and to which reference is made herein, Figure 1 is a perspective
25 view of my improved gallows-frame containing a driving-wheel and shaft; Fig. 2, a side elevation; Fig. 3, a front elevation, and Fig. 4 a horizontal section at the line X X.

As illustrated in the drawings, the gallows-frame consists of an upright frame, A, transverse tie-bar B, foot-pieces C, and fore and aft braces D.

The upright frame A is made of a single bar of angle-iron, which is bent to form the
35 arched top *a*, and, as shown in the drawings, which illustrate my preferred construction of said frame, the angle-iron is bent so that one of its flanges will form a wide perimetric face for said frame.

40 The transverse tie-bar B is secured to the lower ends of the two vertical limbs of the frame A, and so that it will rigidly hold the said limbs at the required distance apart.

A foot-piece, C, is secured to the bottom end of each limb of the frame A, the said foot-pieces being arranged in parallel lines at right
45 angles to the width of the frame, and so as to extend equally to the front and rear of said frame, and thereby forming a large and firm base for maintaining the gallows-frame in its
50 erect position. Said foot-pieces are preferably made of angle-iron, and are secured to the frame A by means of rivets or screw-bolts.

The two fore and aft braces, D, are made of flat iron in the form of an inverted V. The
55 said braces are fixed at opposite sides of the frame A, and each has its apex secured to the adjoining side of said frame, while its two ends are secured to opposite ends of the foot-piece C at the correspondent side of the
60 frame. By means of said braces the frame A is maintained in position perpendicularly to the foot-pieces.

A driving-shaft, E, arranged to revolve in the bearings *e*, secured to the front of the frame
65 A, carries a driving-wheel, F, from which motion can be taken for any required purpose, and said wheel may optionally be either a cog-wheel or a pulley, as the occasion may require. A rotatory motion can be imparted to the shaft
70 E by means of a hand-crank, a friction-clutch operated by a lever, or by any other of the well-known appliances used for such purposes.

I claim as my invention—

As an improved article of manufacture, a
75 wrought-iron gallows-frame for portable driving mechanisms, consisting of the upright frame A, made of a single bar of angle-iron bent to form the arched top *a*, as herein described, transverse tie-bar B, foot-pieces C,
80 and fore and aft braces D, the whole being constructed and combined as herein specified.

WARREN T. KELLOGG.

Witnesses:

WILLARD E. LAPE,
WM. KIRKPATRICK.