

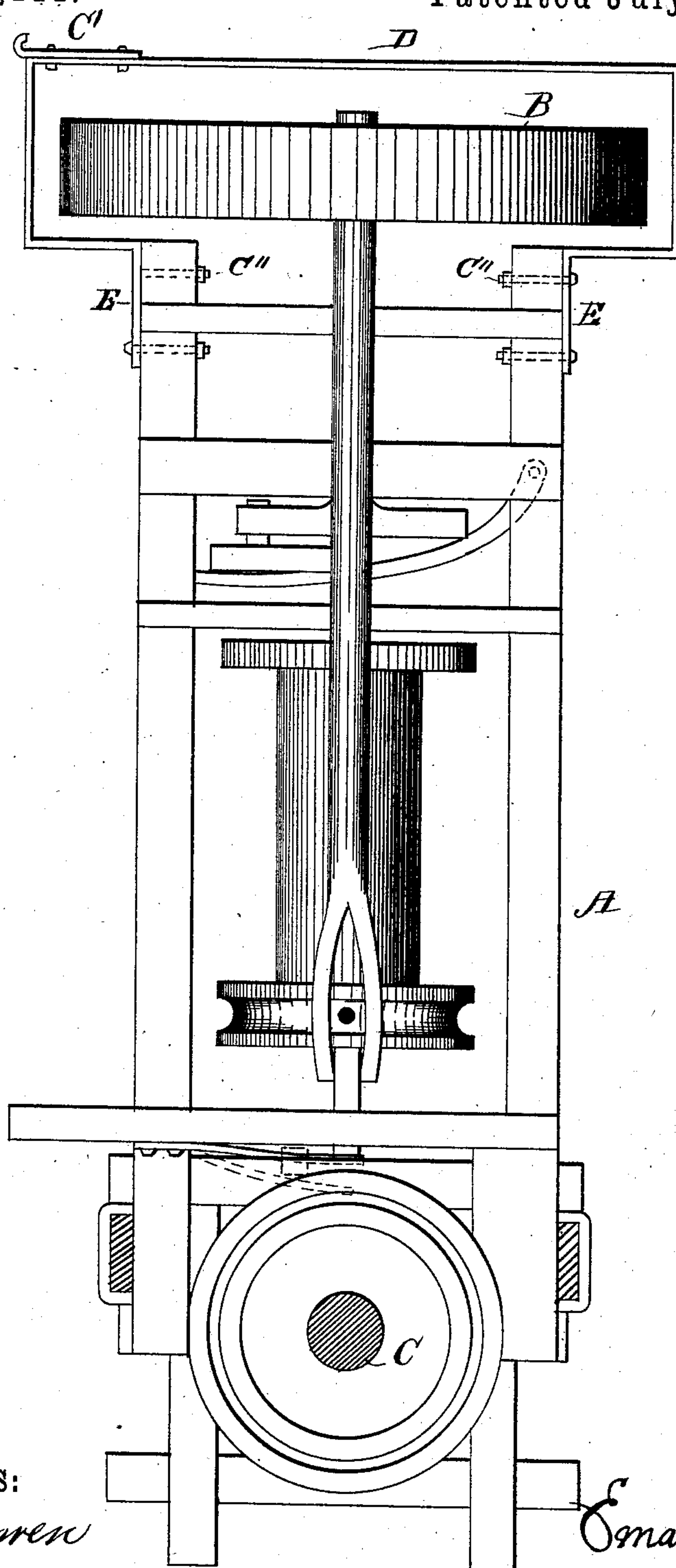
(No Model.)

E. DAVIS.

MACHINE FOR OPERATING ROCK DRILLS AND EARTH AUGERS.

No. 302,111.

Patented July 15, 1884.



WITNESSES:

W. E. Borren
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EMANUEL DAVIS, OF EUREKA SPRINGS, ARKANSAS.

MACHINE FOR OPERATING ROCK-DRILLS AND EARTH-AUGERS.

SPECIFICATION forming part of Letters Patent No. 302,111, dated July 15, 1884.

Application filed January 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL DAVIS, a citizen of the United States of America, residing at Eureka Springs, in the county of Carroll and State of Arkansas, have invented certain new and useful Improvements in Machines for Operating Rock-Drills and Earth-Augers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention pertains to an improvement in draft attachments especially adapted for machines for operating rock-drills or earth-augers, having for its object to promote the application of the draft to increase the driving-power; and the invention consists of the detailed combination and construction, substantially as hereinafter fully set forth, and pointed out in the claim.

In the accompanying drawing, the figure is a plan view of my improvement.

The object of my invention is to provide an improvement on the patent granted to Gamaliel Taylor, No. 228,418, dated June 1, 1880, a plan view of which is shown in the accompanying drawing with my improvement embodied therewith, which consists of the metallic frame D, having secured thereto the clevis or hook C'.

A refers to the base-frame of the machine, adapted to operate rock-drills or earth-augers, which latter, not having, so far as its operative

mechanism is concerned, any bearing on the subject of this application, need not be further referred to. Within this frame is journaled the traveling wheel B, moving, where the draft is applied thereto, in a circular path around the drill C. The metallic frame D consists of a metallic bar fashioned to span the wheel B in order to furnish a suitable support for the clevis or hook C', to which the draft-horse is attached, and of its ends are formed the angular bars E and E, which are bolted at C'' to the longitudinal frame-bars E. Thus constructed, the leverage is lengthened and the force requisite to drive the machine is also reduced by placing the wheel B inside of the long arm of the lever.

This invention is simple, inexpensive, and readily applied.

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

In a machine for operating rock-drills; the combination of metallic frame D and clevis C', substantially as shown, and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

EMANUEL DAVIS.

Witnesses:

A. DAVIS,
C. W. SELFIDGE.