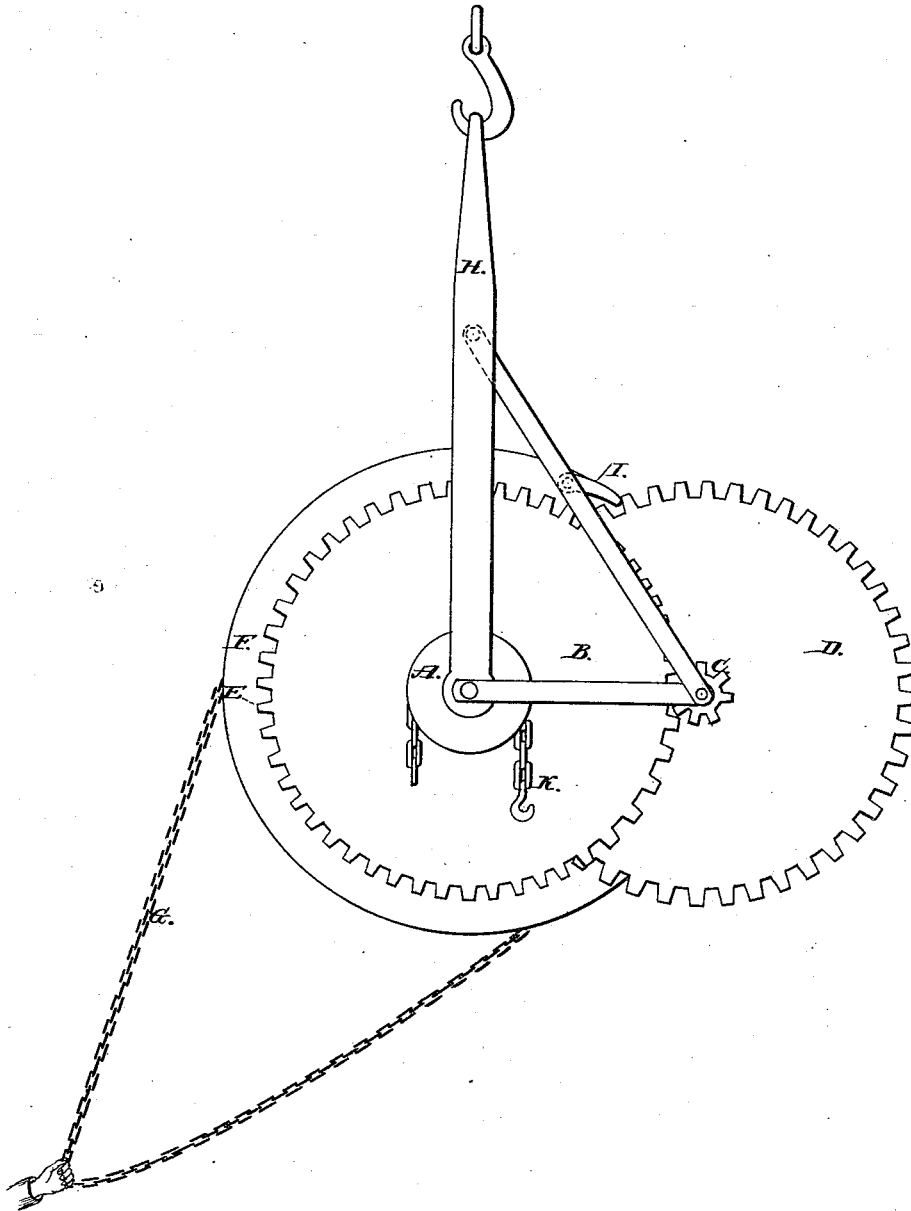


D. S. BAILEY.
Elevator.

No. 164,359.

Patented June 15, 1875.



Inventor:

Dexter S. Bailey

Witnesses:

Benjamin H. Davis
Hiram S. Davis

UNITED STATES PATENT OFFICE

DEXTER S. BAILEY, OF DOVER, MAINE.

IMPROVEMENT IN ELEVATORS.

Specification forming part of Letters Patent No. **164,359**, dated June 15, 1875; application filed May 4, 1875.

To all whom it may concern:

Be it known that I, DEXTER S. BAILEY, of Dover, in the county of Piscataquis and State of Maine, have invented certain new and useful Improvements in Elevators for raising heavy bodies, such as rocks, stumps, &c., of which the following is a specification:

My invention consists of the combination of a sprocket-wheel with multiplying-gear, and grooved wheel with spurs for holding a hand-chain passing over it, to which the power is applied.

A represents a sprocket-wheel rigidly attached to the cog-wheel B. C and D represent two cog-wheels, rigidly attached, and E represents a cog-wheel attached to the wooden wheel F, which engages the cog-wheel D. The wooden wheel F has a groove for the reception of the chain G, and spurs to hold it. H represents a yoke in which the above-named wheels are arranged and suspended. I represents a pawl, which engages the cogs of the wheel D.

The mode of operating the machine is as

follows, to-wit: It is suspended in any convenient frame-work, as, for instance, the common tripod. The power is applied to the hand-chain G, which is engaged by spurs on the wheel F, causing said wheel to revolve when power is applied to the chain G. To the wheel F a small cog-wheel is attached, which engages the cog-wheel D. To the cog-wheel D the cog-wheel C is attached, which engages the cog-wheel B. To the cog-wheel B is attached the sprocket-wheel A, for the chain K to pass over when a load is to be raised.

What I claim as my invention is—

The combination of the sprocket-wheel A, and multiplying-gear B C D E, with the grooved wheel F, and hand-chain G, all arranged and suspended in a yoke, substantially as set forth and described.

DEXTER S. BAILEY.

Witnesses:

C. B. KITTEDGE,
F. E. BAILEY.