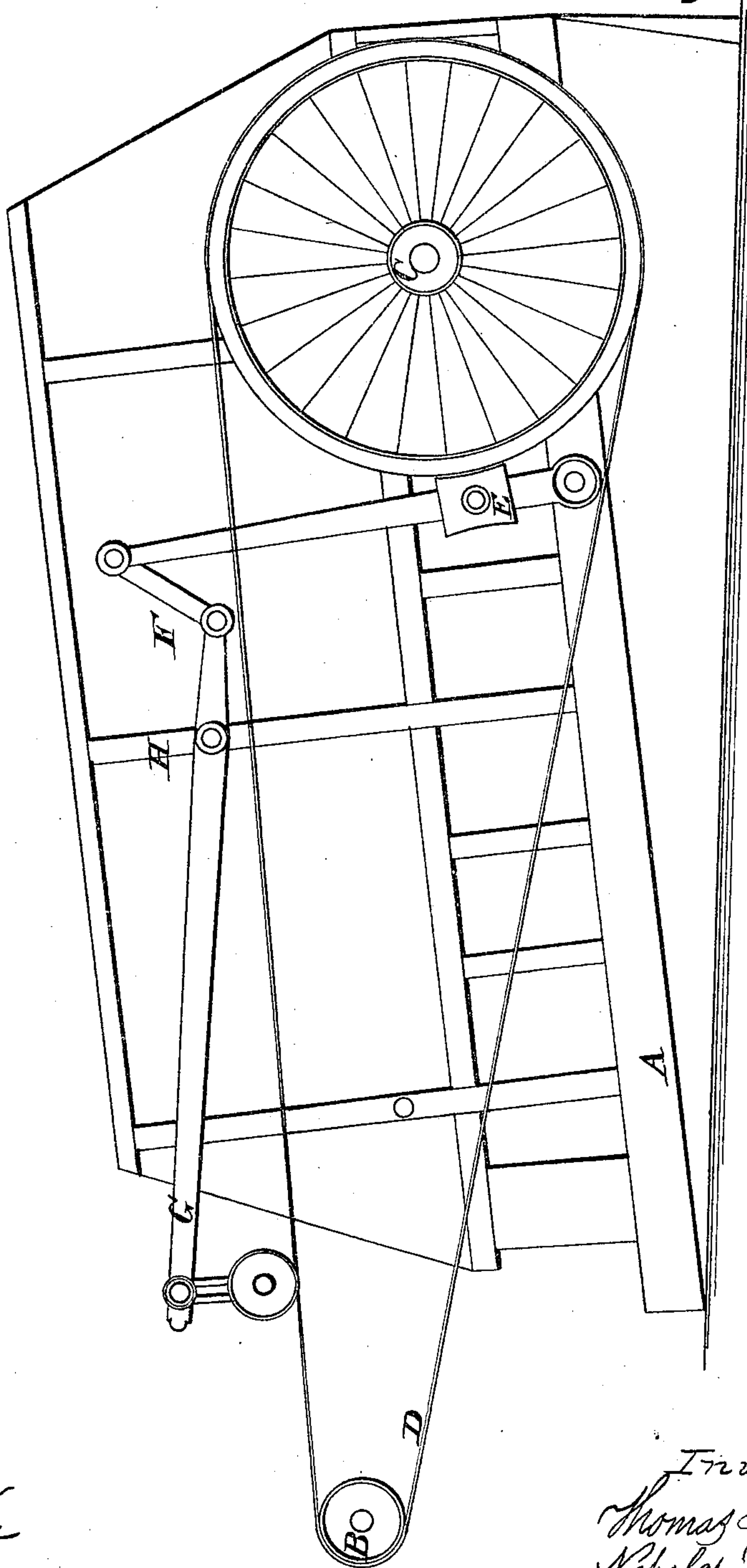


Harvey & Beeky,

Horse Power.

N^o 29,280.

Patented July 24, 1860.



Witnesses
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UNITED STATES PATENT OFFICE.

THO. HARVEY AND NICHOLAS J. BECKER, OF AMSTERDAM, NEW YORK.

HORSE-POWER BRAKE.

Specification of Letters Patent No. 29,280, dated July 24, 1860.

To all whom it may concern:

Be it known that we, THOMAS HARVEY and NICHOLAS J. BECKER, of the village of Amsterdam, in the county of Montgomery and State of New York, have invented a new and useful Self-Operating Brake for Endless-Chain Horse-Powers; and we do declare that the following is a clear, full, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification.

The letter "A" represents the sill or sole piece of a tread-power.

The letter "B" represents a cylinder over which the belt "D" passes to and around "C," the driving wheel of a horse power.

The letter "E" represents the brake block attached to a lever running perpendicular, as shown in the model and drawing, at the upper end of which lever is attached the knuckle "F" (to be made of iron or wood) and at the lower end of which knuckle is attached the trip-lever and pulley "G" as represented in the drawing and model.

The trip-lever is attached to and moves around upon the pivot "H," as shown. The pulley at the end of the trip-lever rests upon, is worked by and guides the driving belt "D."

The advantage in using this invention, over the common hand brake is, first, a

horse power in motion, with this invention of an attached trip-lever, and pulley; the latter resting upon the driving belt, seems to guide and steady the motion of the belt; second, this brake works by the belt and not by hand; third, using this invention the motion and velocity of the driving wheel may be regulated by shortening or lengthening the trip-lever; fourth, the driving belt D, when in operation, is liable to and often does fly off, and the motion of the driving wheel continues until the hand brake is applied, often causing great damage both to persons and property; but with the "self operating brake" applied, the pulley of the trip lever supported by and resting on this belt drops when the belt flies off, throwing the brake block "E" against the driving wheel "C" and instantly the motion stops, thus preventing accident.

What we claim as our invention and desire to secure by Letters Patent is—

The self operating brake of endless chain horse powers which consists of the knuckle "F" and the trip lever and pulley "G" worked by the driving belt.

THOMAS HARVEY.
NICHOLAS J. BECKER.

Witnesses:

C. P. WINEGAR,
J. FRENCH.