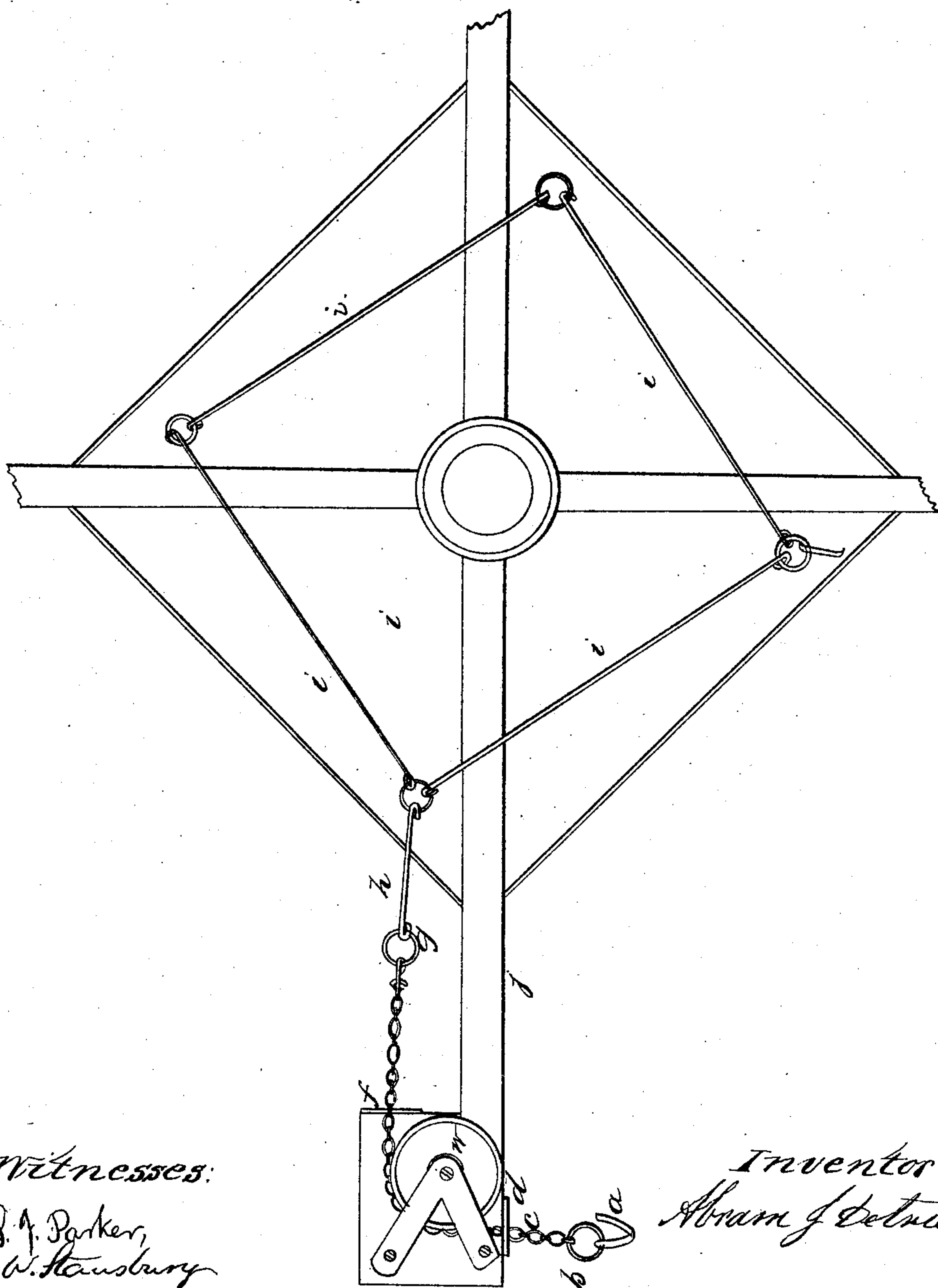


*A. J. Detrick,*

*Horse Power.*

*No 41,493.*

*Patented Feb. 9, 1864.*



*Witnesses:*

*J. F. Parker,  
W. Hansbury*

*Inventor:*

*Abram J. Detrick*

# UNITED STATES PATENT OFFICE.

ABRAM J. DETRICK, OF DRYDEN, NEW YORK.

## IMPROVEMENT IN HORSE-POWERS.

Specification forming part of Letters Patent No. **41,493**, dated February 9, 1864.

*To all whom it may concern:*

Be it known that I, ABRAM J. DETRICK, of the town of Dryden, in the county of Tompkins and State of New York, have invented an Improved Equalizer for Horse-Powers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the annexed drawing, and to the letters of reference marked thereon.

My object is to make a simple and effective equalizer.

I attach the team to the hook *a*, which hook has behind it the ring *b*, which connects it with the chain *c*, which passes through the stopper *d* and about the pulley *e* and through the stopper *f*, and connects with the ring *g*, and thus to the rod *h*, and thus with the circuit of rods *i*, (marked *i i i i*,) there being as many rods in the circuit as there are teams employed, or arms to the power. On each arm there is the same device as on the arm *j*, and in the same manner connected with the cir-

cuit. When the team on the hook *a* falls back or neglects to draw, the ring *b* comes in contact with the stopper *d*, and thus the backward action of the device is limited, and when the team draws too much the ring *g* is drawn in contact with the stopper *f*, which limits the forward action of the device.

The uses and action of the power and equalizer are apparent to those skilled in the art to which it appertains.

I claim—

In constructing a horse-power equalizer, the chain *c* and pulley *e*, when placed directly upon the equalizing-circuit *i* and combined with the rings *b* and *g* and stoppers *d* and *f*, as described and arranged, for the purposes specified.

Ithaca, New York, December 15, 1863.

ABRAM J. DETRICK.

Witnesses:

S. J. PARKER,  
J. W. STANSBURY.