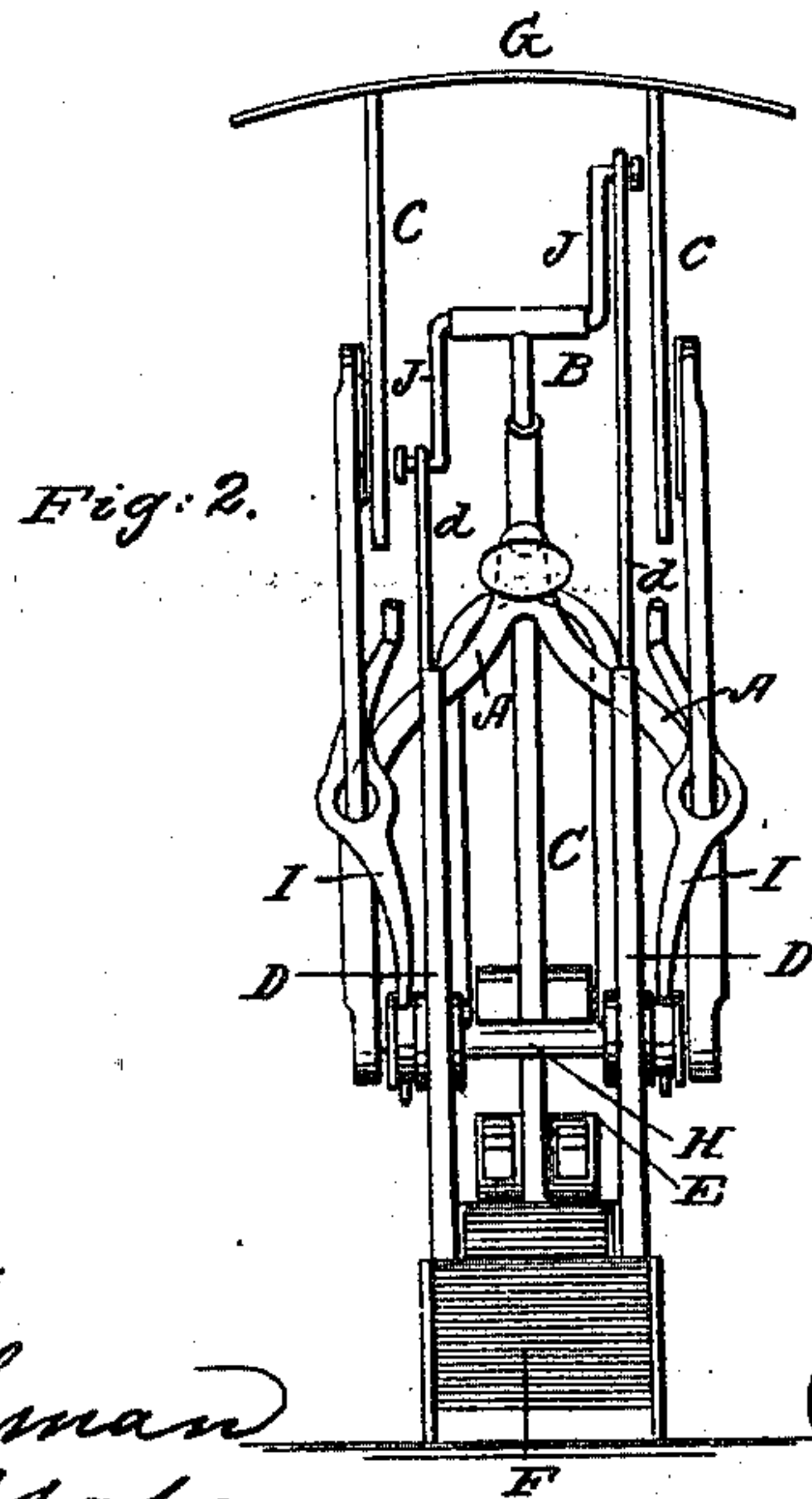
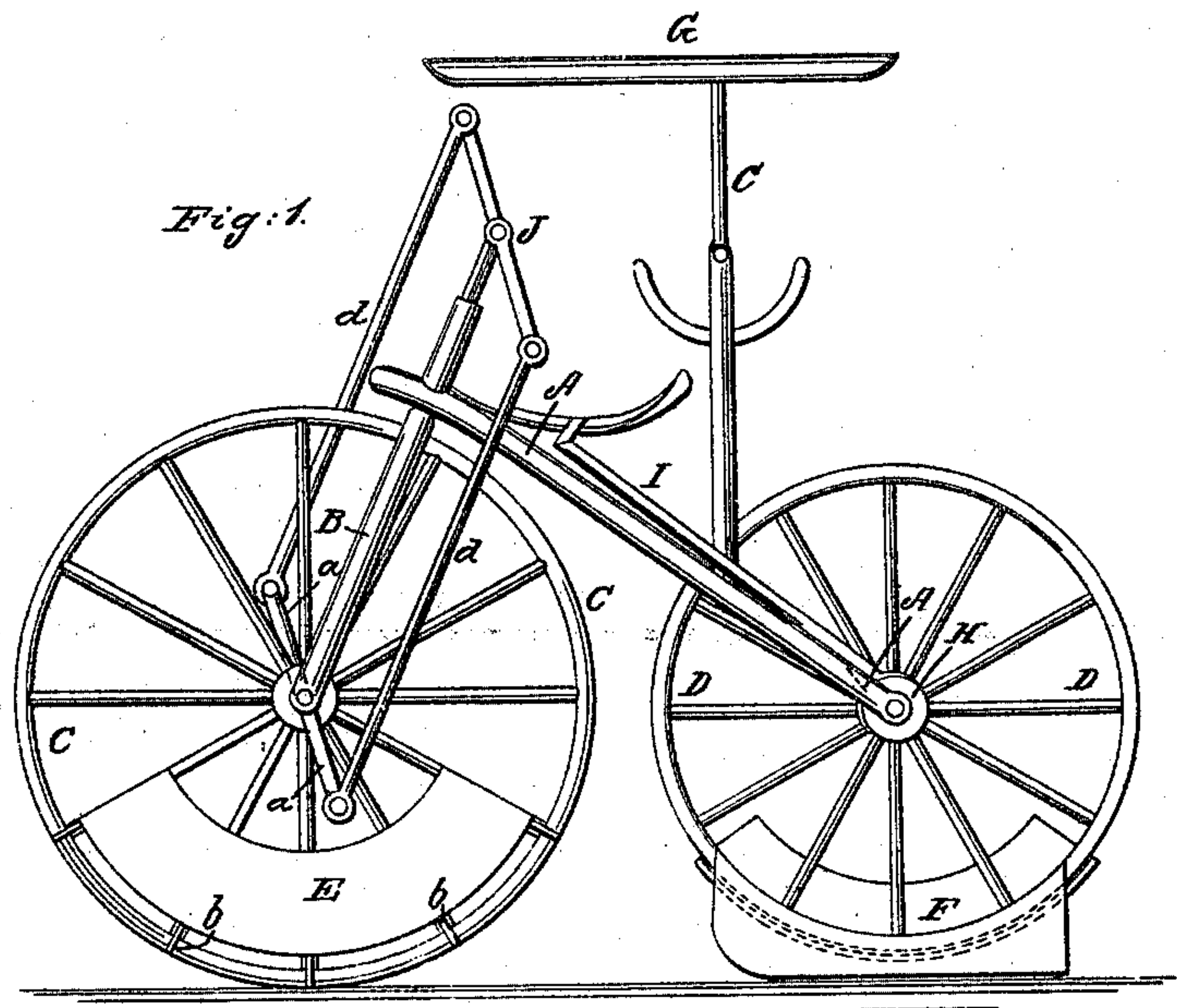


S. M. BAILEY.

Velocipede.

No. 97,340.

Patented Nov. 30, 1869.



Witnesses:

O. Hinchman  
Geo. W. Mabey

Inventor:

S. M. Bailey.  
Munn & Co.

# United States Patent Office.

SYLVESTER M. BAILEY, OF COTTAGE GROVE, MINNESOTA.

Letters Patent No. 97,340, dated November 30, 1869.

## IMPROVEMENT IN VELOCIPEDES.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern :*

Be it known that I, SYLVESTER M. BAILEY, of Cottage Grove, in the county of Washington, and State of Minnesota, have invented a new and improved Velocipede; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a side elevation of my improved velocipede.

Figure 2 is a rear elevation of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to velocipedes, and consists in a sail-attachment and sun-protector, which will be more fully described hereafter.

Otherwise, the parts are of suitable construction, form, and arrangement.

The device can be converted into a water-velocipede, by attaching floats E E to the wheels.

These floats are made of segmental or of curved form, so that they may, in sections, be fitted around the tires of the wheels.

They are made hollow, and of sheet-metal, or other suitable material, and are, in suitable manner, fitted to the sides or edges of the wheels.

Paddles or projecting cross-pieces *b b* are formed on these floats, so that they will, when revolved, propel the device through the water, and also sustain the same therein.

The device can also be converted into an ice-velocipede, by securing runners F to the hind wheel D, in which case the said wheel is locked, so that it cannot turn.

At the same time, there are spurs, or a rubber band, secured to the edge of the front driving-wheel, to cause the same to propel on the ice.

A sail, G, made of sheet-metal, or other suitable material, which is secured to arms *c c*, is pivoted to the frame of the machine, and can be turned and locked in any suitable position to catch the wind.

It can also be swung into a horizontal position, as in fig. 1, to protect the rider from the rays of the sun and from rain.

The hind wheel D consists of two separate wheels, which can slide on their axle H, and which can, by means of levers I I, be adjusted any suitable distance apart, or as close together as necessary.

The steering-handle J, which is hung in the upper part of the steering-post, is a crank-axle, which is, by means of pitmen *d d*, connected with the foot-crank *a a*, so that it can be used to propel the vehicle by means of the hands, while the feet also are used.

The connecting-rods *d* can be easily removed, when the feet alone are to be used for propulsion.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The pivoted sail and sun-protector G, arranged on a velocipede, substantially as and for the purpose herein shown and described.

2. The arrangement of the crank-axle J, and steering-post, in the manner described, to admit of their use for steering or propelling-purposes.

The above specification of my invention signed by me, this 2d day of April, 1869.

SYLVESTER M. BAILEY.

Witnesses:

TALLMADGE ELWELL,  
E. AYRES.