

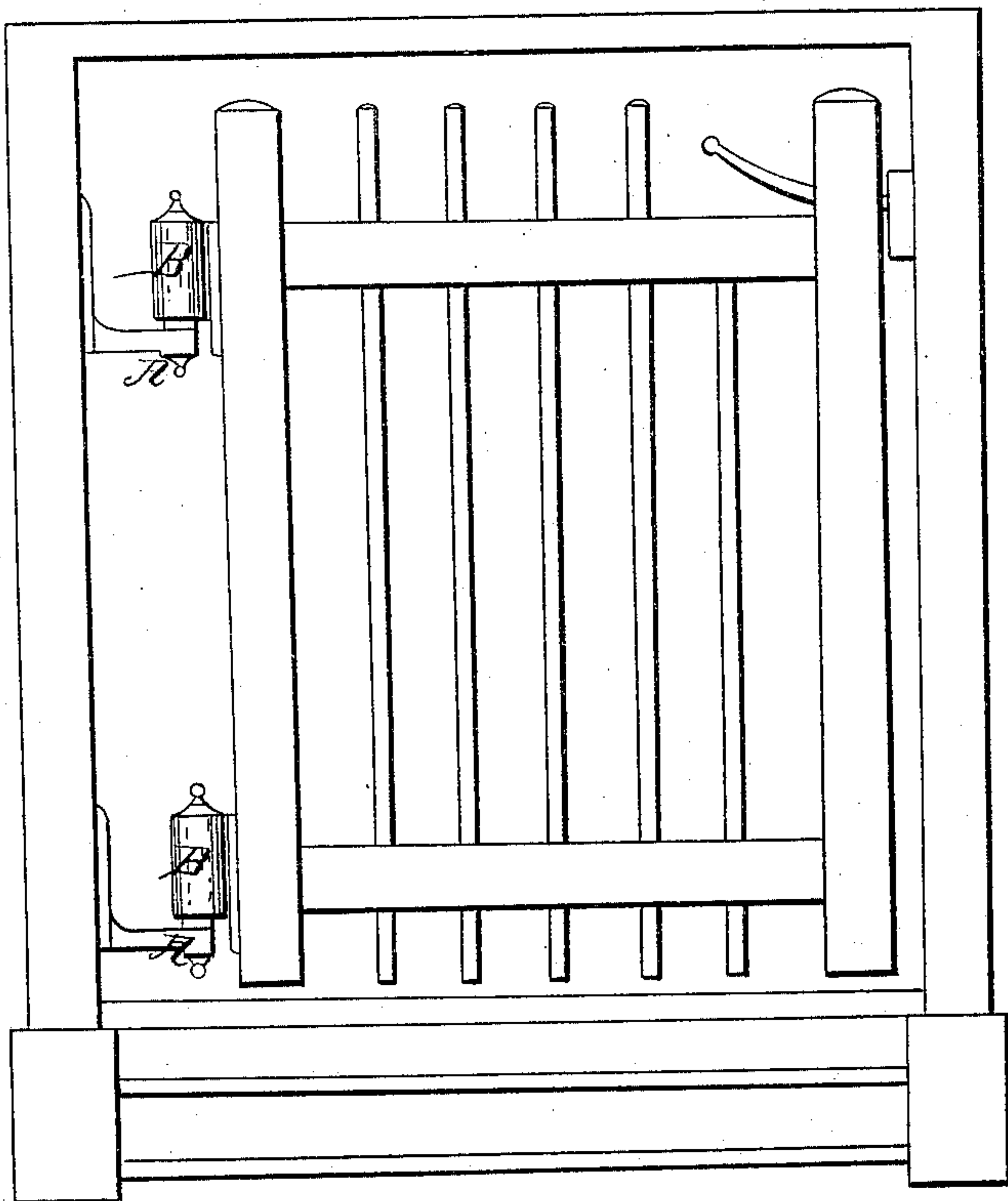
*L. Upham,*

*Hinge.*

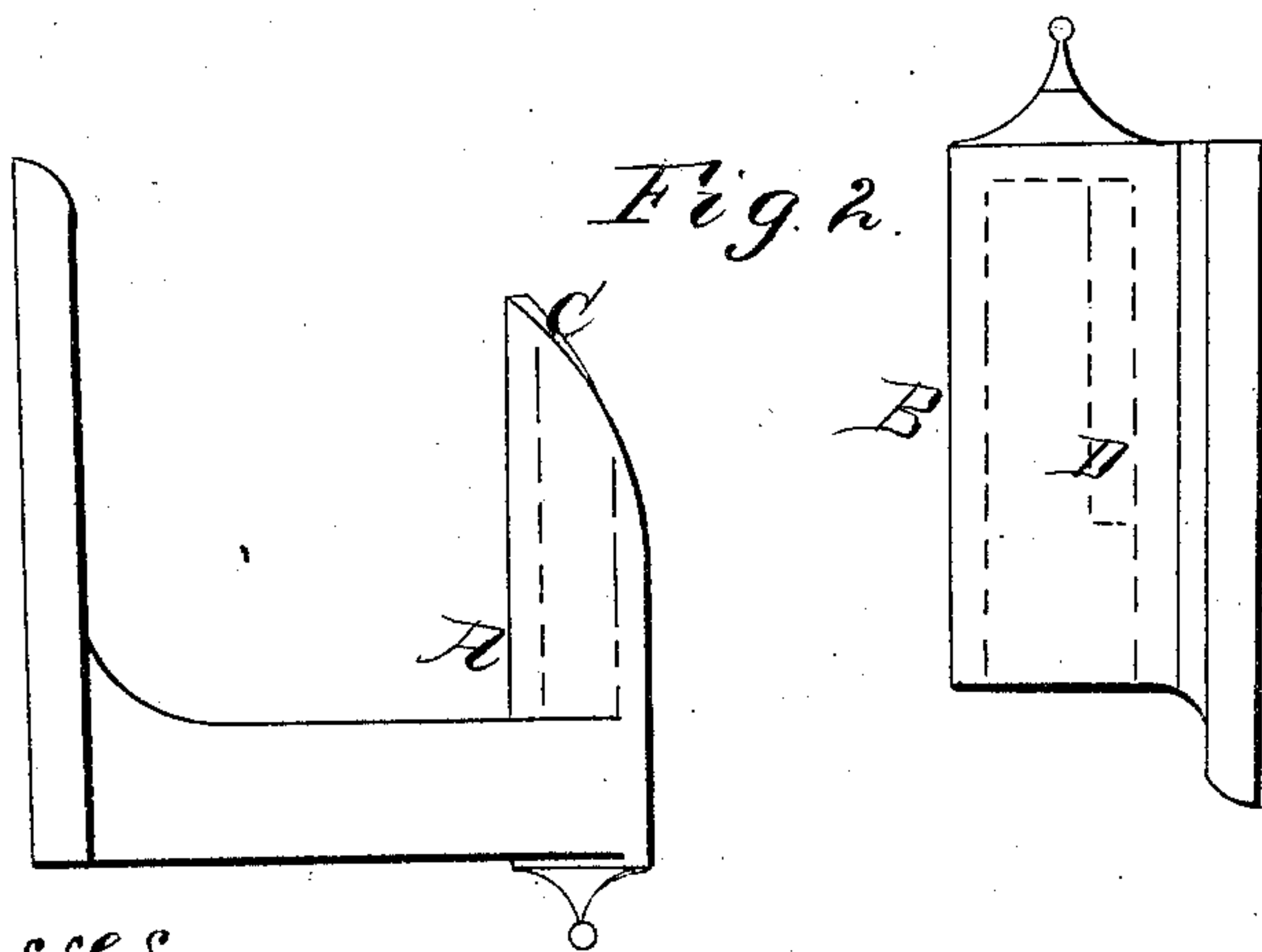
*Nº 50,861.*

*Patented Nov. 7, 1865.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Timothy Earle*

*Jonathan I. Cupron*

*Inventor*

*Lucian Upham*

# UNITED STATES PATENT OFFICE.

LUCIAN UPHAM, OF PAWTUCKET, RHODE ISLAND.

## IMPROVEMENT IN HINGES.

Specification forming part of Letters Patent No. 50,861, dated November 7, 1865.

*To all whom it may concern:*

Be it known that I, LUCIAN UPHAM, of Pawtucket, in the county of Providence, State of Rhode Island, have invented a new and useful Improvement in Hinges; and I do hereby declare the following to be a full, clear, and exact description of the same, due reference being had to the accompanying drawings by the letters of reference marked thereon, in which—

Figure 1 is a view of my invention as applied to a gate; and Fig. 2 shows the parts composing the hinge, the dotted lines showing the interior.

A, the pintle, is made with sloping or spiral inclines C on its upper end, and the socket B, which turns on A, has a boss or projection, D, on its inside to rest on the inclines C, both A and B being provided with suitable flanges to secure them in place. The two inclines C on A adapt the hinge to swing both ways when desired, the boss D resting between them when at rest.

The operation is similar to other incline

hinges. On opening the boss D rides up one of the inclines, raising B, so that when left at liberty the weight causes it to slide down and close.

This construction and arrangement give the advantages of protection to the rubbing parts from the weather and other casualties, and presents a neat compact hinge not liable to get out of order.

I am aware that incline planes have been used in hinges, in combination with springs and other devices. These I do not claim; but

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

The combination and arrangement of the several parts A, C, B, and D, when constructed and operating in the manner and for the purposes above set forth and described.

In testimony whereof I have hereunto set my hand in the presence of two witnesses.

LUCIAN UPHAM.

Witnesses:

TIMOTHY EARLE,  
JONATHAN S. CAPRON.