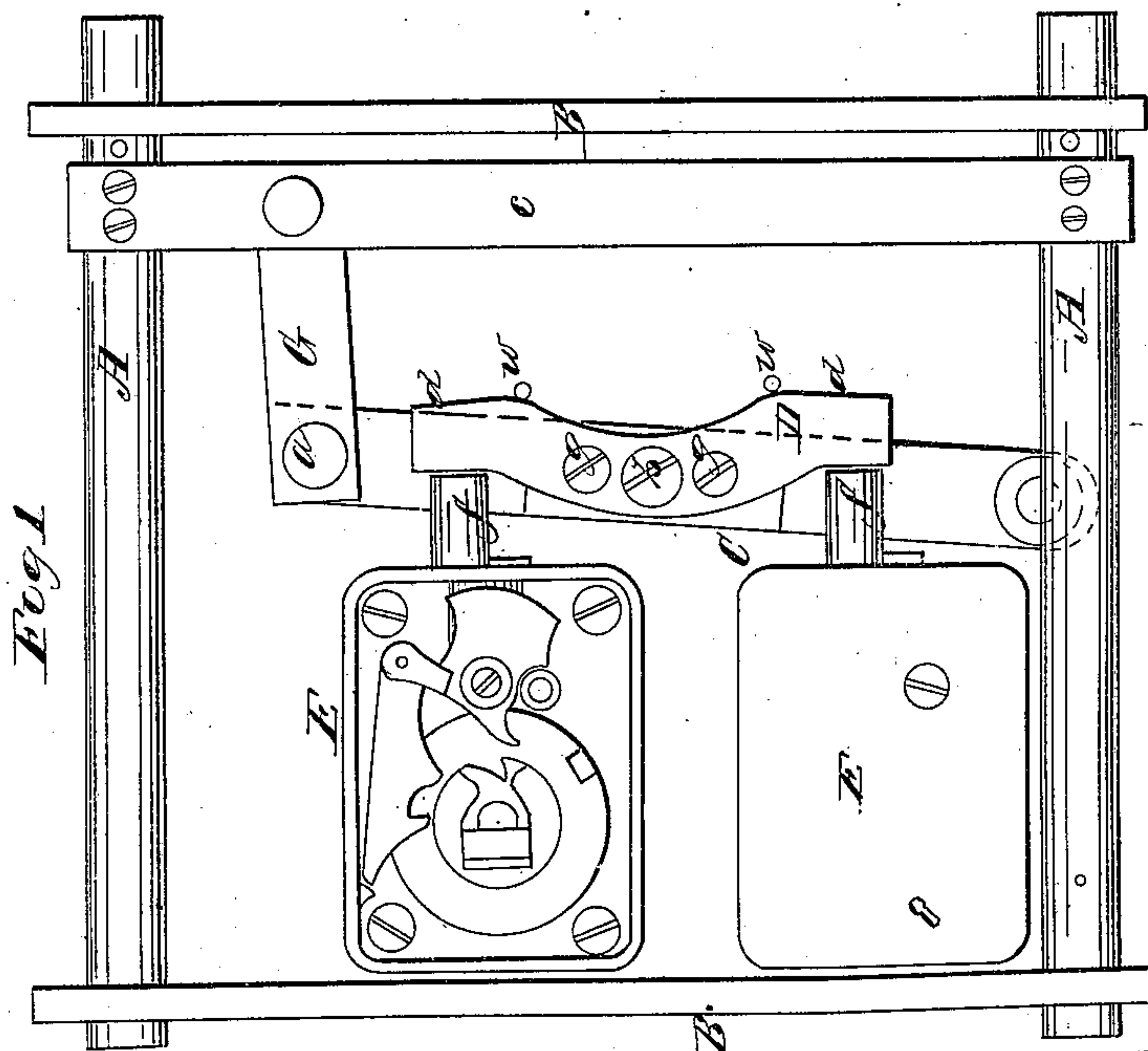
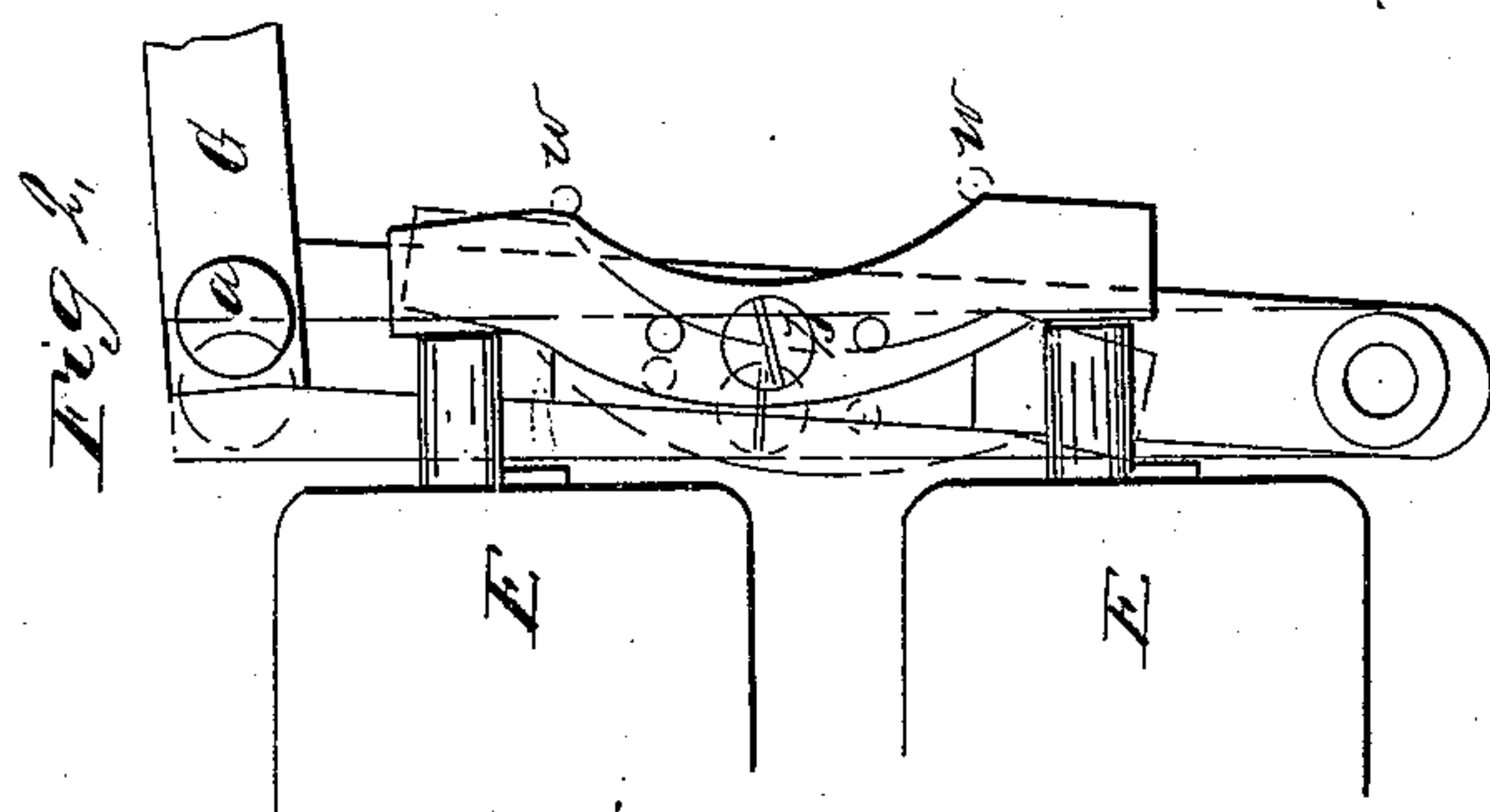


*J. Sargent,  
Safe Bolt.*

*N<sup>o</sup> 85,246.*

*Patented Dec. 22, 1868.*



*Witnesses  
W. J. Kerulman  
J. H. Harris.*

*Inventor  
Jas Sargent  
By J. H. Harris  
Atty*

# UNITED STATES PATENT OFFICE

JAMES SARGENT, OF ROCHESTER, NEW YORK.

## IMPROVEMENT IN BOLTS FOR SAFE-DOORS.

Specification forming part of Letters Patent No. 85,246, dated December 22, 1863.

### CASE B.

*To all whom it may concern:*

Be it known that I, JAMES SARGENT, of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Locking the Bolt-Work of Safe-Doors; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making part of this specification.

Figure 1 is a view of my improvement in the stiff position of the rock-arm; Fig. 2, a view of the operating parts in the flexible position of the rock-arm.

Like letters of reference indicate corresponding parts in both figures.

My invention consists in a connection of parts between the heavy bolt-work and the locks, whereby the said bolt-work may be set to open by the action of one lock or both, as hereinafter set forth.

In the drawings, A indicates the ordinary heavy bolt-work of a safe door, which shoots out to connect with the jamb of the safe to hold the parts closed, the parts B B showing simply the bearings of the door, in which the bolt-work rests to retain it in place.

To the vertical bar *c* of the bolt-work is pivoted an arm, G, connected in like manner with a bar, C, jointed at *a*. Centrally on bar C is pivoted, at *b*, a rock-arm, D, whose ends *d d* rest against the protruding ends of lock-bolts *f f*, which form a part of locks E E, of any suitable construction, attached at suitable distances apart to the safe doors.

The rock-arm D may be either made flexible, to turn on the pivot *b*, as in Fig. 2, or it may be made stiff, by screws or pins *g g* inserted in either side of the center, as in Fig. 1.

In the former case, the bolt-work can be thrown back if either lock is unlocked, irrespective of the other lock; and in the latter case, it will throw back only when both locks are unlocked.

The great advantage of this change is, that when desirable, the lock-work can be set so that, if one lock gets out of order, the other will unlock the bolt-work; or so that, if differ-

ent persons hold the two keys of the locks set on different combinations, the bolt-work cannot be opened till those two persons come together. This is of special value in banks, where burglars sometimes force the single holder of the combination to proceed to the bank and unlock the vault. It also prevents any one person from access to the safe, by forcing two persons to meet to open it, and thus prevents robbery by either holder.

I am aware that two sets of lock-work have been before connected with one bolt, so that if one set gets disarranged the other will open; and also in such a manner as to require both locks to be unlocked to release the bolt; but in such cases the connection between the locks and the bolt-work is not so constructed as to be convertible to the double function herein specified—that of releasing the bolt-work by the unlocking of either lock alone, or only by the unlocking of both together, as may be desirable.

The paramount advantage of my invention consists in adapting the rock-arm D to either the turning or the fixed position, whereby the bolt-work is opened by one or two combinations, as before described.

Stops *w w* opposite the ends of the rock-arm D are employed for the purpose of restoring the position of said arm when the bolt-work is thrown out.

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

So connecting the heavy bolt-work of safe-doors with the lock bolts, when two locks or sets of lock-work are employed, that the bolt-work may be set to open either by the action of one lock or of both, by means of the lever C and rock-arm D, arranged and operating substantially as set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JAMES SARGENT.

Witnesses:

H. S. GREENLEAF,  
R. F. OSGOOD.