

(Model.)

H. S. BROWNSON.

CUTTING NIPPERS.

No. 386,736.

Patented July 24, 1888.

Fig. 1.

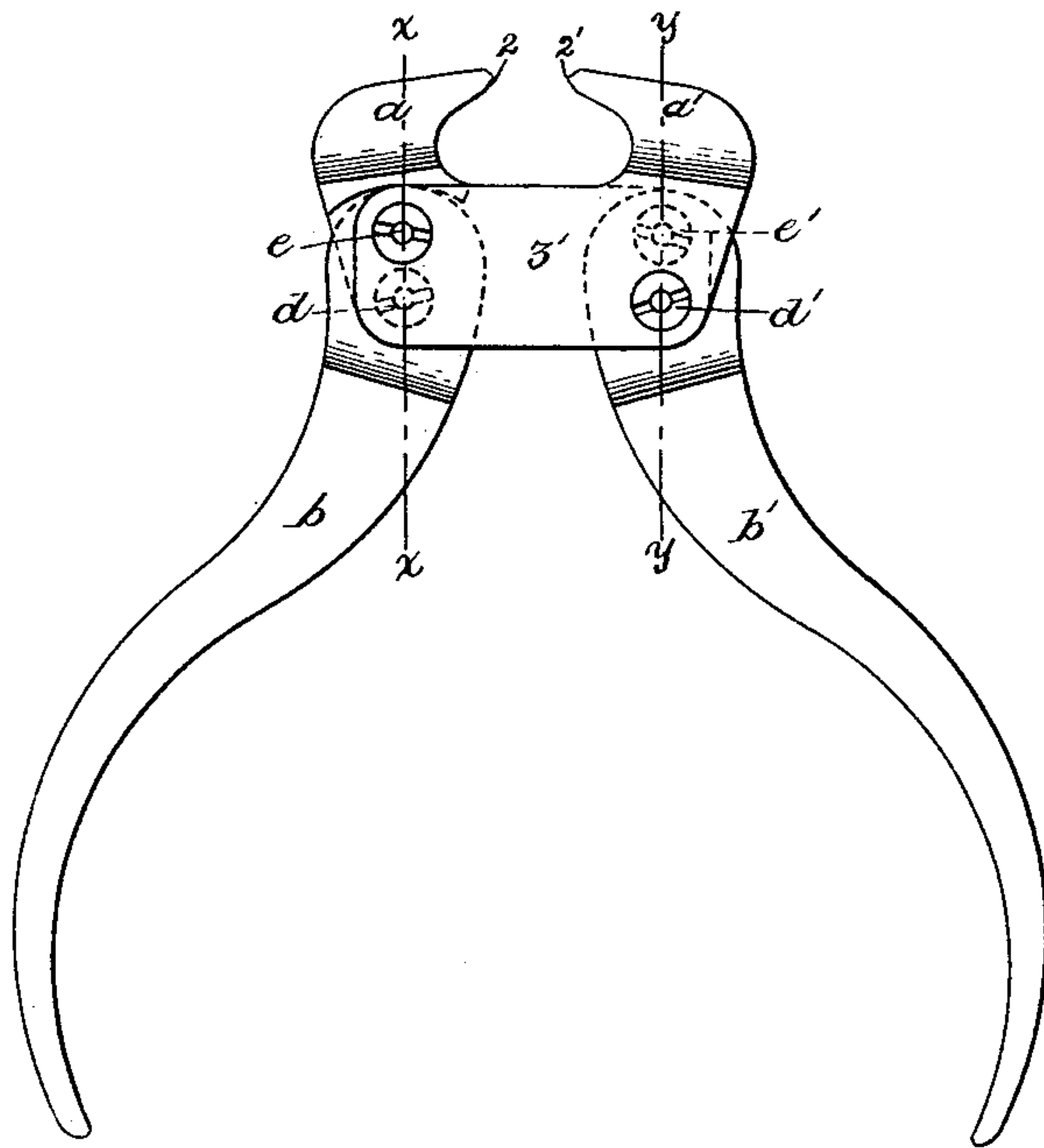


Fig. 2.

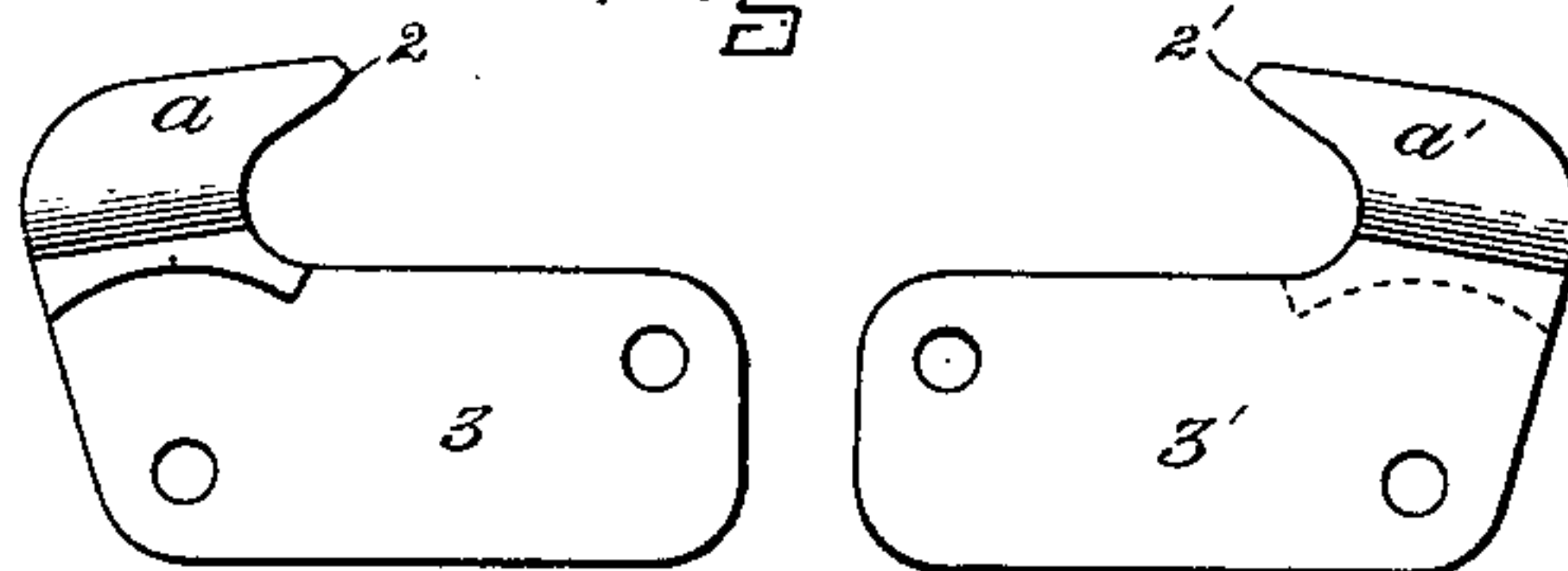


Fig. 3.

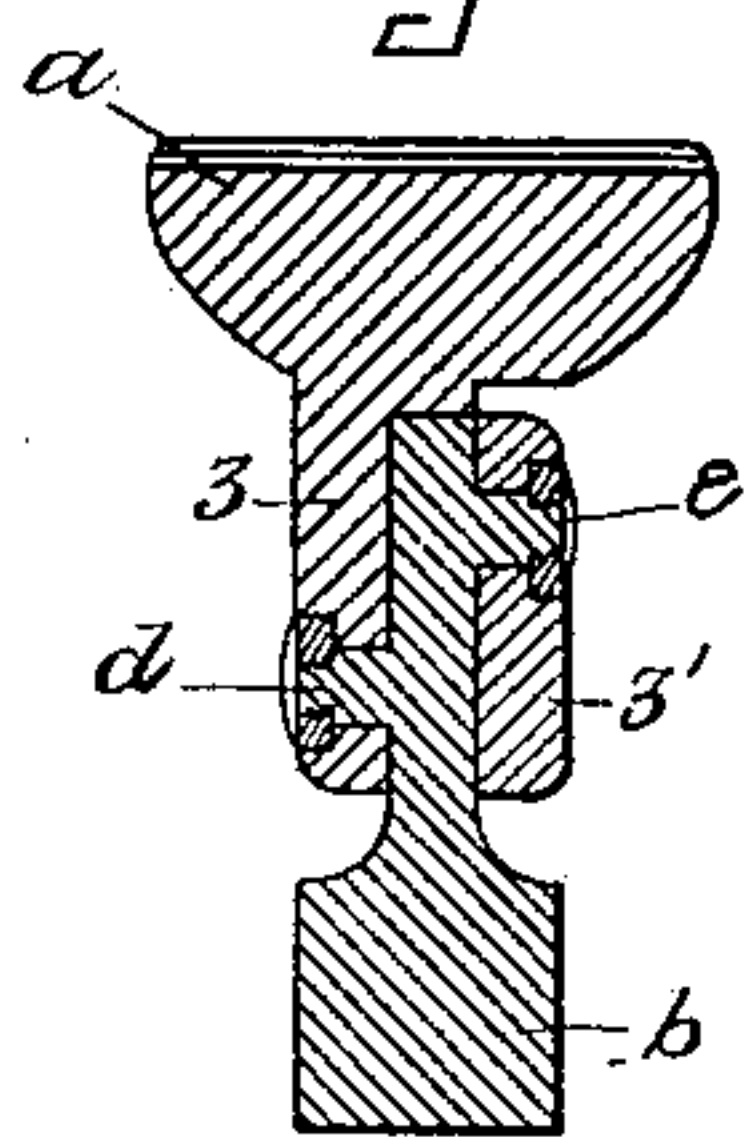
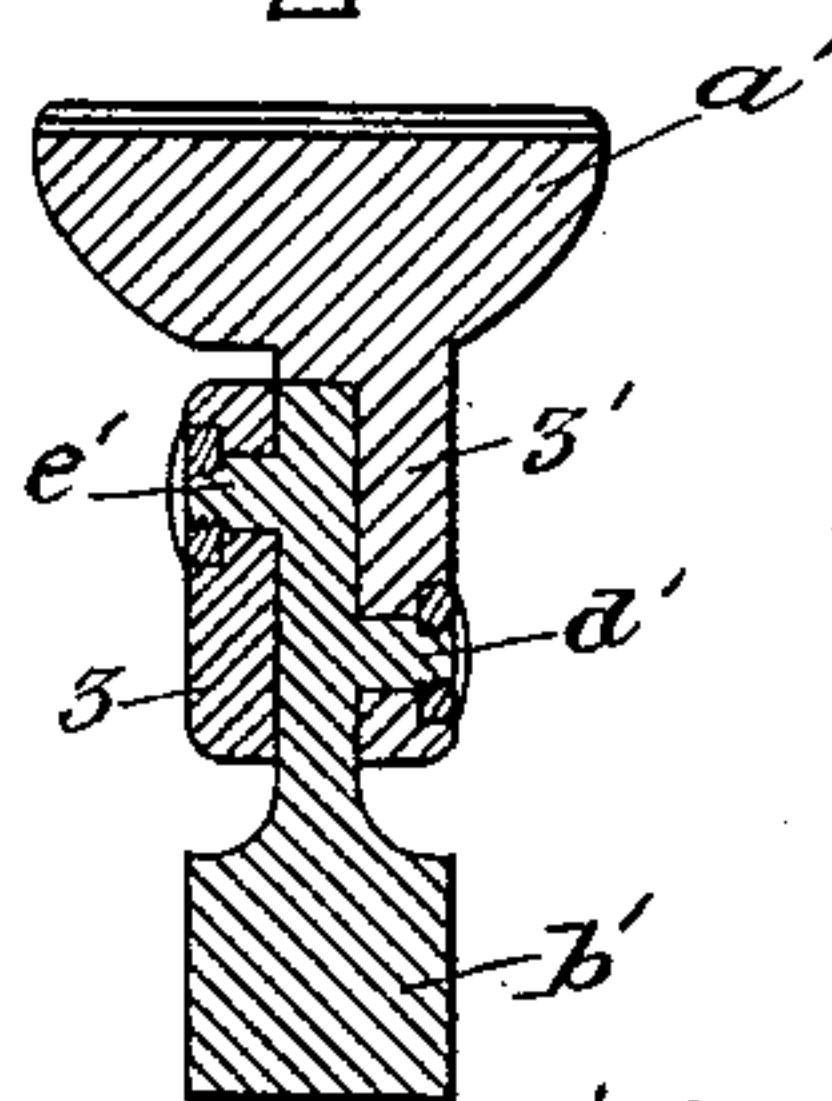


Fig. 4.



WITNESSES.

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INVENTOR.

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# UNITED STATES PATENT OFFICE.

HERBERT S. BROWNSON, OF BOSTON, ASSIGNOR OF ONE-THIRD TO CHARLES F. BROWN, OF READING, AND ARTHUR W. CROSSLEY, OF BOSTON, MASSACHUSETTS.

## CUTTING-NIPPERS.

SPECIFICATION forming part of Letters Patent No. 386,736, dated July 24, 1888.

Application filed September 30, 1887. Serial No. 251,092. (Model.)

*To all whom it may concern:*

Be it known that I, HERBERT S. BROWNSON, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain  
5 new and useful Improvements in Cutting-Nippers, of which the following is a specification.

This invention has for its object to produce a simple and effective wire cutting nippers;  
10 and it consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a side elevation of my improved nippers.  
15 Fig. 2 represents a side elevation of the cutting-jaws of the nippers. Figs. 3 and 4 represent, respectively, sections on lines *x x* and *y y*, Fig. 1.

The same letters of reference indicate the  
20 same parts in all the figures.

In the drawings, *a a'* represent the jaws of my improved cutting-nippers, said jaws having cutting-edges 2 2' and extensions or arms 3 3', which extend inwardly from the cutting  
25 portions of the jaws, as shown.

*b b'* represent handles or levers, each of which is pivotally connected with one of the jaws at a given point and with the arm of the other jaw at a different point—that is to say,  
30 the lever *b* is connected by a stud or screw, *d*, with the lower portion of the jaw *a*, and by a stud or screw, *e*, with the arm 3' of the jaw *a'*, while the lever *b'* is connected by a stud or screw,

*d'*, with the jaw *a'*, and by a stud or screw, *e'*, with the arm 3 of the jaw *a*. The studs *d e d'* 35 *e'* are out of line with each other, as shown in Figs. 1, 3, and 4, and the studs *d d'* constitute the fulcrums of the levers *b b'*.

The portions of the levers shown in the drawings as above the studs *d d'* constitute 40 the shorter arms of the levers, and are connected with the jaws *a a'* by the studs *e e'*.

It will be seen that when the longer arms of the levers *b b'* are moved toward each other the shorter arms are moved apart with a pow- 45 erful leverage, thereby moving the jaws toward each other, the power being utilized to the best advantage.

My improved nippers are capable of cutting the largest wire which it is possible to 50 cut by hand appliances.

I claim—

The improved cutting-nippers consisting of the jaws *a a'*, having the oppositely-projecting arms 3 3', and the levers *b b'*, fulcrumed, re- 55 spectively, on the jaws *a a'*, and having their shorter arms pivotally connected, respectively, to the arms 3 and 3', as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two sub- 60 scribing witnesses, this 20th day of September, A. D. 1887.

HERBERT S. BROWNSON.

Witnesses:

C. F. BROWN,  
A. D. HARRISON.