John W. Thompson Impr in Gates

PATENTED

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Fig 1

72120

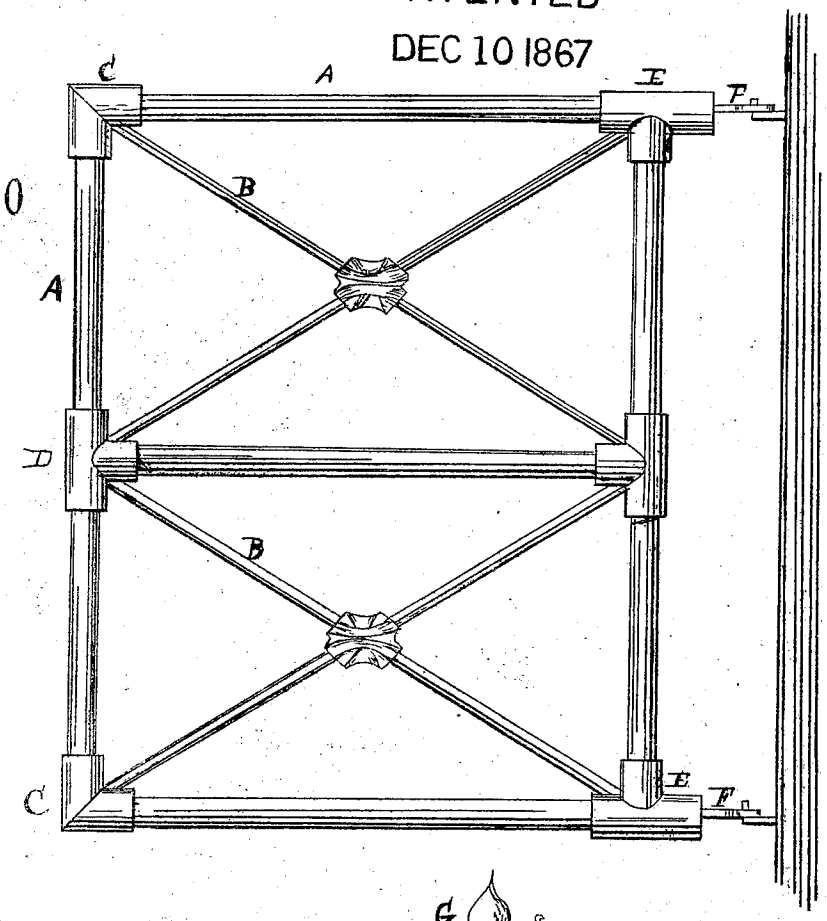


Fig 2

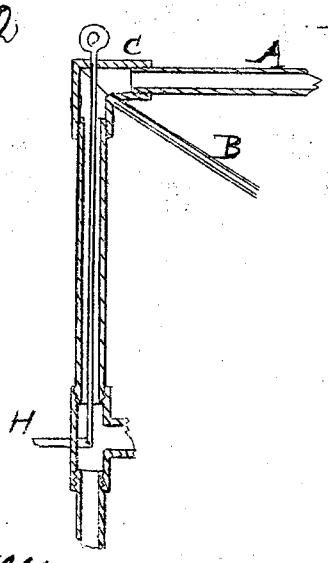
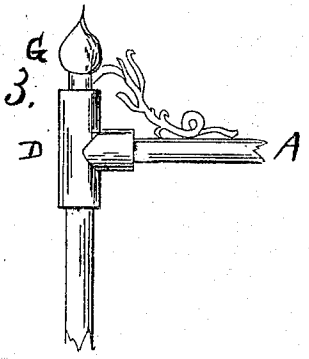


Fig 3.



John W Thompson

Inventor

Witnesses

Anson. P. Kinney,

F. M. Thompson.

United States Patent Office.

JOHN W. THOMPSON, OF GREENFIELD, MASSACHUSETTS.

Letters Patent No. 72,120, *dated December* 10, 1867.

IMPROVEMENT IN GATES.

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, JOHN W. THOMPSON, of Greenfield, in the county of Franklin, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in the Construction of Farm and other Gates; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to use it.

This invention is designed to be used in the construction of the lighter class of farm-gates, as well as for gates to be used in various enclosures about dwelling-houses, parks, cemeteries, and other places where a light, graceful, and durable gate is desired, whether in connection with a plain or ornamented fence or hedge.

Figure 1 represents a perspective view of my gate as hung.

Figure 2, a cross-section through the front and top, showing the construction

Figure 3, a perspective view of an upper corner of the gate.

It is very well known to all having any practical experience, that gates of wood, however carefully and strongly made, are very liable to sag, and, getting out of their true shape, fail to shut, and soon become useless. They also require to be kept thoroughly painted to prevent decay from water penetrating the joints, and the consequent swelling and shrinking of the wood and their speedy destruction. This is both troublesome and expensive. Iron gates have, therefore, been made for many years, but having heretofore always been constructed of solid bars or rods, have been very expensive, very heavy, and therefore very inconvenient. Gates made according to my invention are not liable to these objections.

I make my gate of any suitable iron or other metallic tubing, A B, as, for instance, and perhaps cheapest and most convenient, common gas-pipe of the proper relative sizes for the stiles, rails, and braces or cross-pieces of whatever sized gate I wish to make. These I join together by suitable iron or other metallic coupling or fastenings, C D, commonly the angles, T's, and other connections used for joining gas-pipe, as represented in the drawings. The back corners, E, may be fitted with T's, into the outside ends of which the hooks or eyes F, with which the gate is to be hung, may be secured. The upper corners may both be furnished with T's, so that if desired an ornament may be screwed upon the top, as at G in fig. 3. The latch or other fastening for the gate may be easily and neatly managed by having a rod passing down inside the front stile, as at H in fig. 2.

It will thus be seen that I combine in my gate all the requisites to be desired—strength, durability, lightness, gracefulness, and easiness of hanging and fastening.

I do not confine myself to any particular form of gate; but

I claim, and desire to secure by Letters Patent—

A gate, made of metallic tubing and connections, substantially as herein set forth and described,

JOHN W. THOMPSON.

Witnesses:

ANSON K. WARNER,

F. M. THOMPSON.