

No. 627,222.

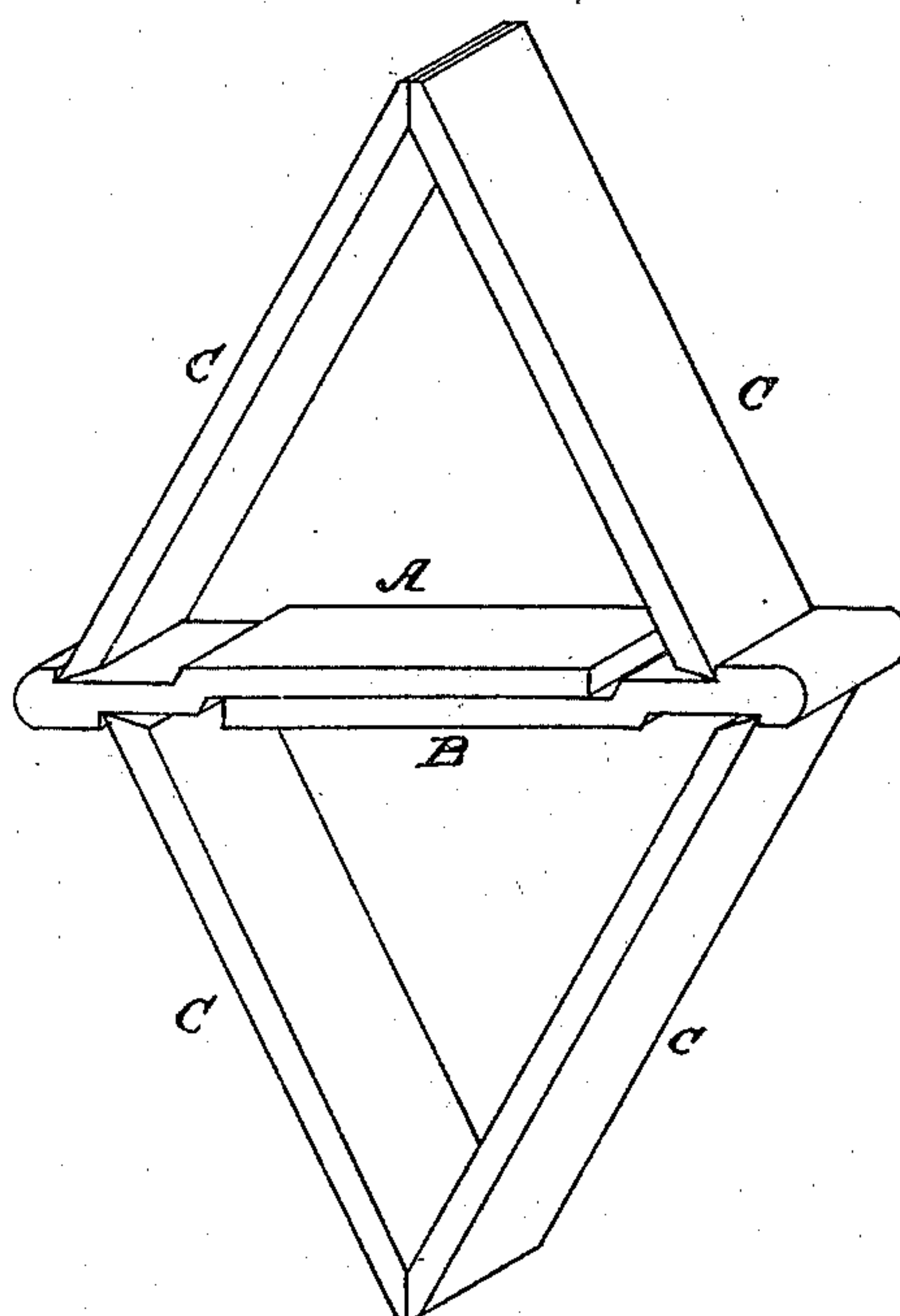
Patented June 20, 1899.

J. L. BUTLER.

STRUT FOR AUTOMATIC FIRE EXTINGUISHERS.

(Application filed July 21, 1898.)

(No Model.)



WITNESSES

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ATTORNEYS

INVENTOR

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# UNITED STATES PATENT OFFICE.

JAMES L. BUTLER, OF AKRON, OHIO, ASSIGNOR OF ONE-HALF TO RUSSELL  
T. DOBSON, OF SAME PLACE.

## STRUT FOR AUTOMATIC FIRE-EXTINGUISHERS.

SPECIFICATION forming part of Letters Patent No. 627,222, dated June 20, 1899.

Application filed July 21, 1898. Serial No. 686,489. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES L. BUTLER, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Struts for Automatic Fire-Extinguishers, of which the following is a specification.

My invention relates to improvements in fusible posts or struts used in automatic sprinklers to retain the cap that prevents the escape of water or gas.

The object of my invention is to provide a new and peculiarly sensitive strut to retain the cover to the vent and in which the pressure of the cap will tend directly to tear asunder the solder-joint.

To the aforesaid object my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described and then specifically pointed out in the claim, reference being had to the accompanying drawing, forming a part of this specification.

Referring to the drawing, A B are two strips of metal, each having the central portion offset approximately equal to its thickness and having the inner offset portions lapped upon each other and united by a solder fusible at a low temperature. Each has at one end a transverse flange on each side, the upper flange of the upper plate A being farther from the other end of the plate than the under,

and the under plate B having the relative position of the flanges reversed, and resting against these flanges are two pairs of short plates C, having their opposite ends uniting, forming a diamond, and arranged to be inserted in the arch of the vent (which is not shown, as the ordinary form of arch is employed) and against the cap of the vent. It will be observed from this arrangement that the pressure of the cap will tend directly to tear asunder the solder-joint.

I claim as my invention—

An improved strut for fire-extinguisher tips, consisting of two metallic strips, partially lapped upon each other and united by a fusible solder, each having end flanges at one end on opposite sides, the lower flange of the under plate and the upper flange of the top plate being farther from the opposite end of the plate than its opposite flange, in combination with two pairs of braces, arranged on opposite sides of said strips with their ends against said flanges, and their opposite ends uniting to rest against the cap and the arch respectively of the extinguisher-tip substantially as shown and described.

In testimony that I claim the above I hereunto set my hand.

JAMES L. BUTLER.

In presence of—

C. P. HUMPHREY,  
C. E. HUMPHREY.