

(Model.)

A. L. PORTER.

HINGE.

No. 283,277.

Patented Aug. 14, 1883.

FIG. 1.

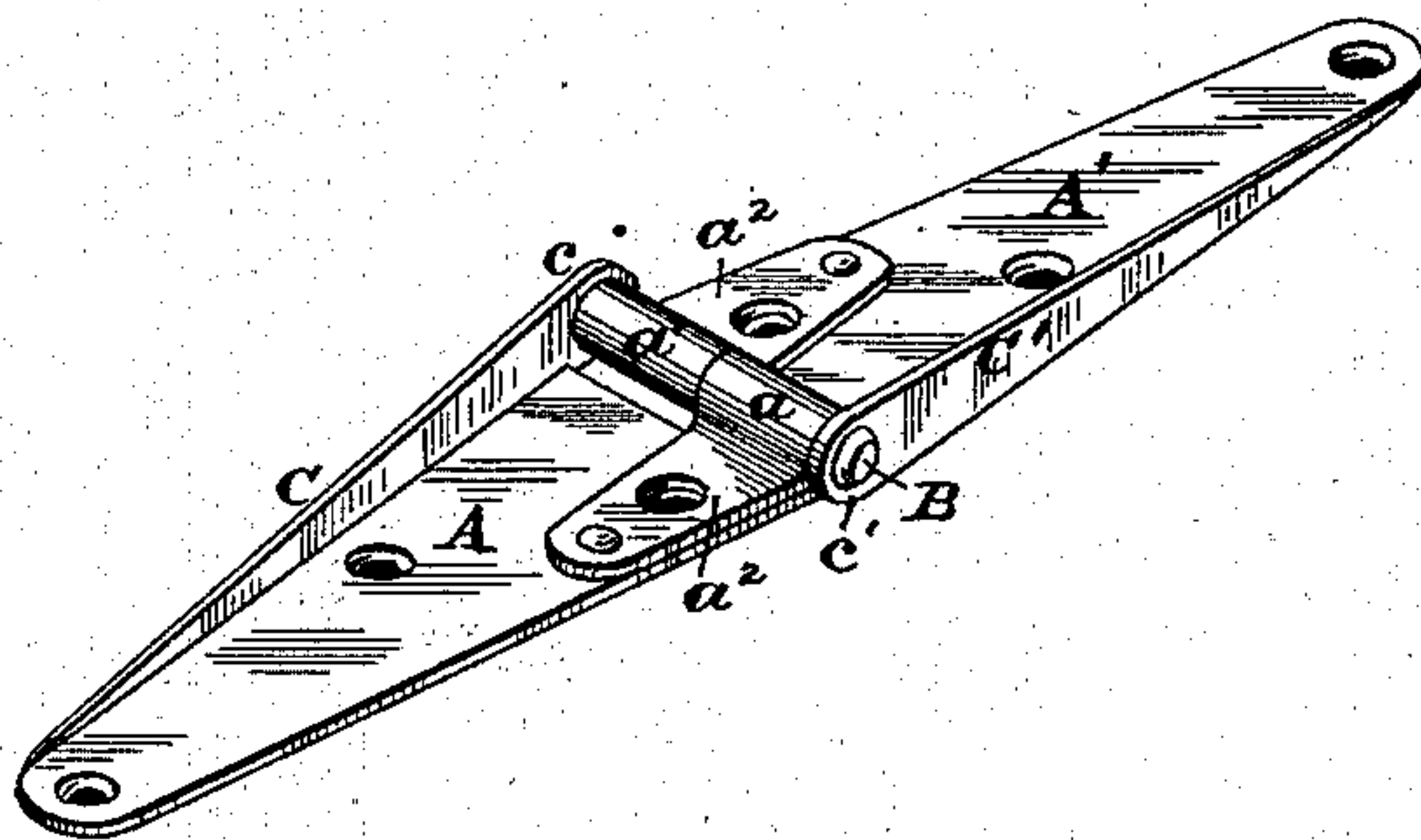
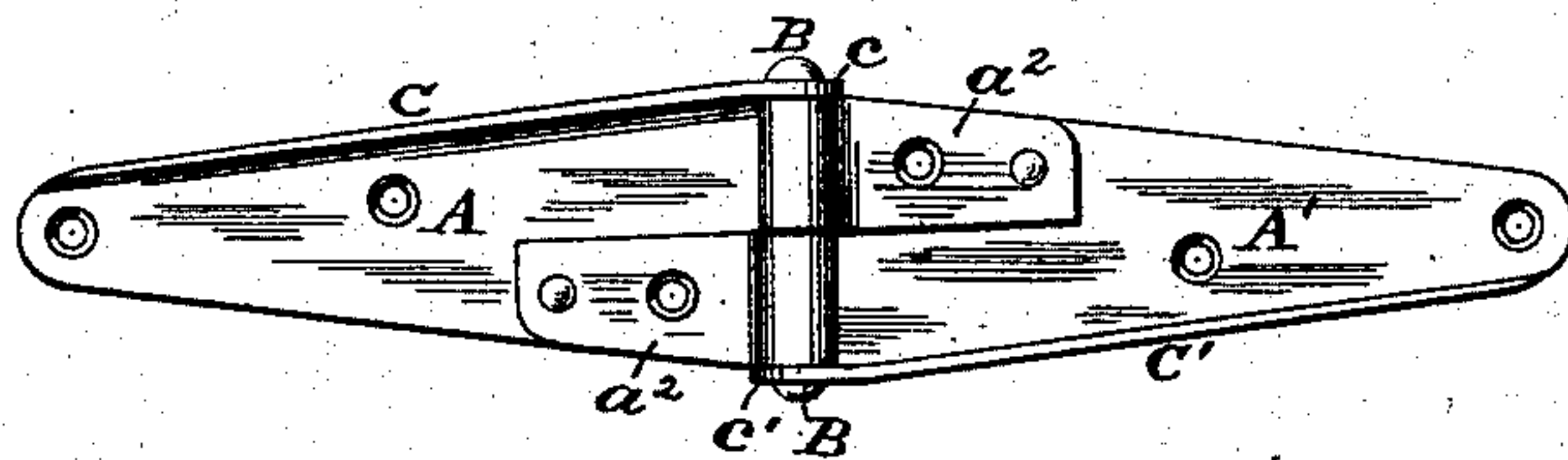


FIG. 2.



ATTEST:

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HINGE.

SPECIFICATION forming part of Letters Patent No. 283,277, dated August 14, 1883.

Application filed January 15, 1883. (Model.)

To all whom it may concern:

Be it known that I, ALONZO L. PORTER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Strap-Hinge; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to improvements in that class of hinges known to the art as "strap" or "plate" hinges; and the object of my improvement is to provide an improved construction and arrangement of the hinge-pivot eyes, whereby the hinge-leaves can be made in duplicate, as will hereinafter more fully appear. I attain these objects by the construction of parts illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved hinge. Fig. 2 is an elevation of the same.

As shown in the drawings, my improved hinge consists of two members, A A', of the usual shape, provided with pivot-eyes *a a'*, through which the pintle or rivet B passes to pivotally connect the hinge members together. The pivot-eyes *a a'* are each made one-half the width of the hinge, and may have a lap, *a²*, riveted to the main portion of the strap, as shown. Any other suitable mode of forming such eyes may be used without departing from the spirit of my invention. The members or straps A A' of the hinge are formed with a turned edge or flange, C C', the flange of the one being at the top of the hinge and of the other at the bottom, as shown. This improved construction admits of the members of the hinge being made alike—a feature in manu-

facture and use that possesses marked advantages.

In order to brace and support the ends of the pintle or rivet B, which are otherwise left unsupported by the halved construction of the pivot-eyes, as shown, I extend the flanges or turned edges, so as to form supporting-eyes *c c'* to receive the ends of said pintle or rivet, and support and brace the same in a very effective manner.

My improved construction of hinges, as above described, permits of the use of lighter material in construction, and yet be as strong and durable as an ordinary hinge of much heavier construction, these merits being due to the flanges or turned edges C C', which brace and stiffen the parts in a very effective manner.

I am aware that prior to my invention strap-hinges have been made with flanges or turned edges at both sides of their members or straps, so as to impart stiffness to the same. I therefore do not claim such construction, broadly; but

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

The leaves A A' of a strap-hinge, formed alike and interchangeable, with the pivot-eyes formed in halves, as set forth, and turned edges or flanges C C', having projecting ends that form supporting-eyes for the ends of the hinge pintle or rivet, all constructed and arranged as herein described, and for the purpose set forth.

ALONZO L. PORTER.

Witnesses:

ROBERT BURNS,
G. F. DEXTER.