

W. B. JOHNS.
PAPER-FASTENER.

No. 176,641.

Patented April 25, 1876.

Fig. 1.

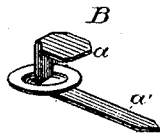


Fig. 3.



Fig. 2.

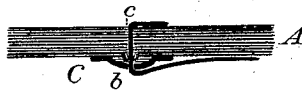


Fig. 4.

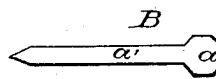
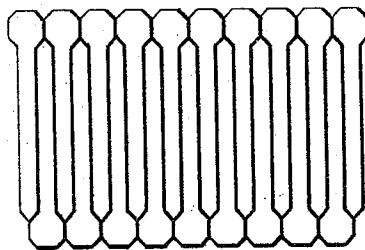


Fig. 5.



Attest:
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UNITED STATES PATENT OFFICE

WILLIAM B. JOHNS, OF GEORGETOWN, DISTRICT OF COLUMBIA.

IMPROVEMENT IN PAPER-FASTENERS.

Specification forming part of Letters Patent No. **176,641**, dated April 25, 1876; application filed March 11, 1876.

To all whom it may concern:

Be it known that I, WILLIAM B. JOHNS, of Georgetown, in the county of Washington and District of Columbia, have invented a new and useful Improvement in Paper-Fasteners; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is an improvement in devices for fastening together sheets of paper, and one more especially designed for very heavy documents, the advantages being principally in the convenience with which it can be applied, and the security and firmness with which the paper is held.

My invention consists in the combination, with the tongue of a paper-fastener, of a plate adapted to be passed over the end of the said tongue on the opposite side of the paper from its head; and, further, in the construction and combination of the parts composing my fastener, all as more fully hereinafter explained.

To enable others skilled in the art to manufacture my device, I proceed to describe the same in connection with the drawings, in which—

Figure 1 is a perspective view of my device in position; Fig. 2, a central vertical section; Fig. 3, a separate view of the plate; Fig. 4, a separate view of the tongue, and Fig. 5 a plan of a metal plate from which the tongues are cut.

Like letters denote corresponding parts in each figure.

A represents any number of sheets of paper secured together by my fastener. B is a tongue of the form shown in Fig. 4, which has an enlarged end, *a*, of any desired shape, and a long shank or tongue, *a'*, preferably ending in a point. The large end *a* of the tongue is bent at right angles to the shank *a'* to form a head, which rests close to one side of the paper when the fastener is in position. C is a metal plate, preferably circular in outline, having a central circular raised portion, *b*, and a hole, *b'*, through the plate in the center of such raised portion. The plate C is adapted to be placed on one side of the paper over the end of a hole, *c*, punched through the same by any convenient means, the tongue

being passed through the hole from the opposite side and bent down upon the plate. When the hole *c* is punched the paper around one side of the hole is forced out from the surface. The plate C is placed over that side of the hole, and the projecting paper is inclosed by the raised portion *b*, allowing the edge of the plate to rest firmly on the surface of the paper. The raised portion *b* also insures the compression of the sheets of paper together, since, when the tongue is bent over upon such plate, the raised portion forming the fulcrum, the plate is forced down upon the paper. The raised portion also acts as a guide for the end of the tongue in passing to the hole *b'*, the plate, if out of line, being moved into the required position.

This plate can be used in connection with a wire tongue, the shape of the hole *b'* being the only part requiring change.

The construction of the tongue A forms a cheap and efficient device for the purpose. In the ordinary fasteners having two tongues, the tongues are liable to spring apart and catch in the paper when being forced through the opening. In my device the single tongue obviates this objection.

In Fig. 5 is represented the manner in which any number of the tongues can be cut or stamped from a sheet of metal without waste.

Having thus fully described my device and explained some of its advantages, what I claim as new, and desire to secure by Letters Patent, is—

1. In a paper-fastener, the combination of a tongue and a plate adapted to be passed over the end of such tongue on the opposite side of the paper from its head, substantially as described and shown.

2. In the paper-fastener described, the combination of the tongue B, having the enlarged end *a* and shank *a'*, and the plate C, having the central raised portion *b* and hole *b'*, all constructed and arranged substantially as shown and specified.

This specification signed and witnessed this 9th day of March, 1876.

WILLIAM B. JOHNS.

Witnesses:

R. N. DYER,
CHARLES THURMAN.