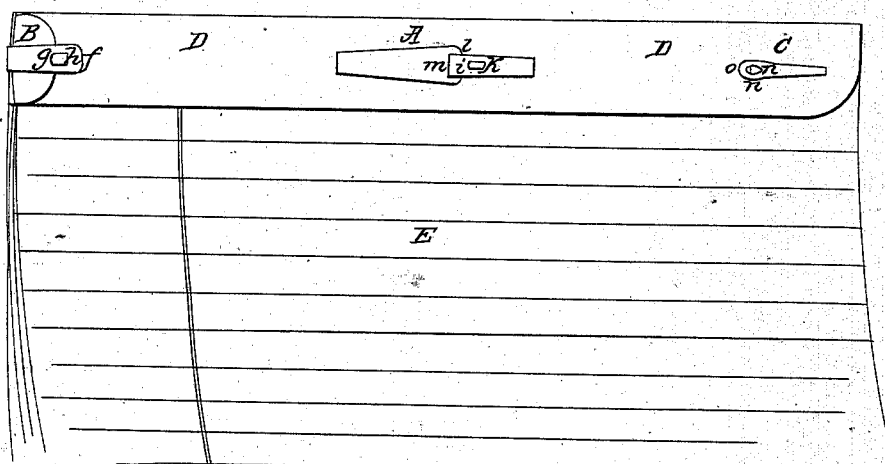


*Z. W. Denham,*  
*Paper Fastener.*

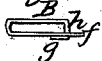
*N<sup>o</sup> 47526.*

*Patented May 2, 1865.*

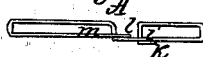
*Fig 1.*



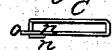
*Fig 2.*



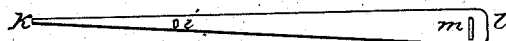
*Fig 3.*



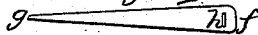
*Fig 4.*



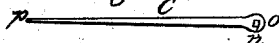
*Fig 5.*



*Fig 6. B*



*Fig 7. C*



*Witnesses;*  
*Jos. S. Gallaher,*  
*Samuel F. Thompson*

*Inventor;*  
*Z. W. Denham*

# UNITED STATES PATENT OFFICE.

Z. W. DENHAM, OF WASHINGTON, DISTRICT OF COLUMBIA.

## PAPER-FASTENER.

Specification forming part of Letters Patent No. **47,526**, dated May 2, 1865.

### *To all whom it may concern:*

Be it known that I, Z. W. DENHAM, of the city of Washington, in the District of Columbia, have invented a new and useful Improvement in Paper-Fasteners; 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, making a part of the specification.

The nature of my invention consists in attaching the papers together by means of a round or flat metal pin or fastener, the same being perforated at one end, as shown, in order that the other end, after being properly passed through the papers, may be returned through the said perforation, and the end then turned down to secure the papers, as shown.

In the drawings, Figure 1 shows several sheets of paper secured together by means of my improved fastener.

In all the figures, A, B, and C are the fasteners, the perforations at the large ends thereof being formed oval or oblong, as at M and H, Figs. 5 and 6, or round or half-round, as at N, Fig. 7.

The fastener A, Figs. 1, 3, and 5, is larger than the others, and may prove useful for attaching heavy or numerous papers. It has also two perforations, I and M, as plainly shown in Fig. 5.

In use A is passed four times through the paper, and is bent twice upon itself, as shown in Fig. 3. The other fasteners are simply passed twice through the papers, and the end bent once, as shown in Figs. 2 and 4.

If deemed desirable, the fastener may be bent to lap the ends of the papers, as shown at B, Fig. 1.

For all ordinary purposes I believe the small fastener C, made of thin metal or wire, will prove amply sufficient, but they may be made of any desired size, form, or thickness.

I am aware that metal paper-fasteners have been long in use; but I do not know or believe that any have been before known or used in which the fastener is returned through the paper and secured by being passed through an opening at one end of itself, and bent as described, sewing the papers together, as it were, by the use of a single metal piece or thread.

What I claim, therefore, as my invention, and desire to secure by Letters Patent of the United States, is—

The fasteners A, B, and C, substantially in the manner and for the purposes described.

Z. W. DENHAM.

Witnesses:

JNO. S. GALLAHER,  
DANIEL F. TOMPKINS.