

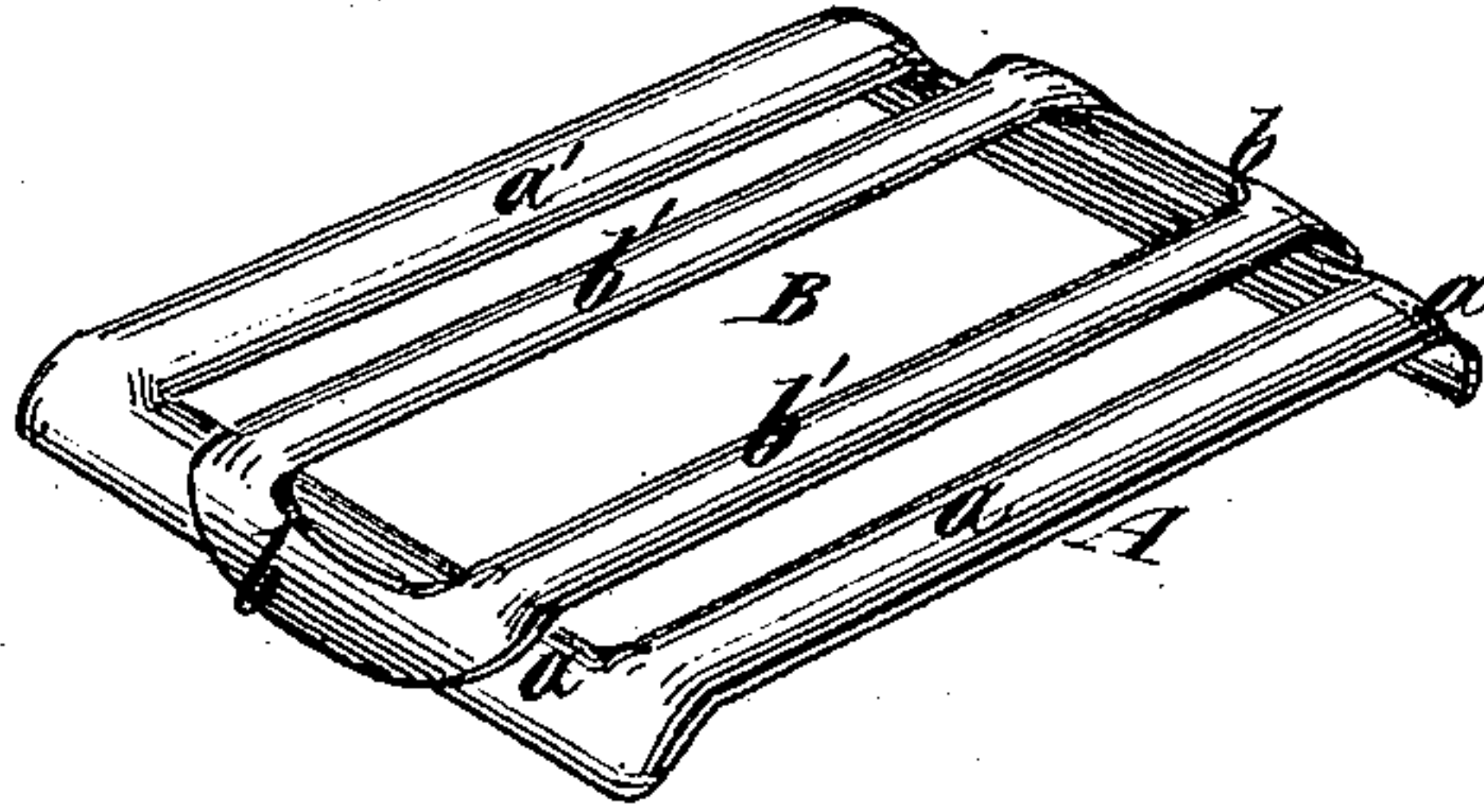
(No Model.)

S. WALES.  
Slide or Connection for Straps.

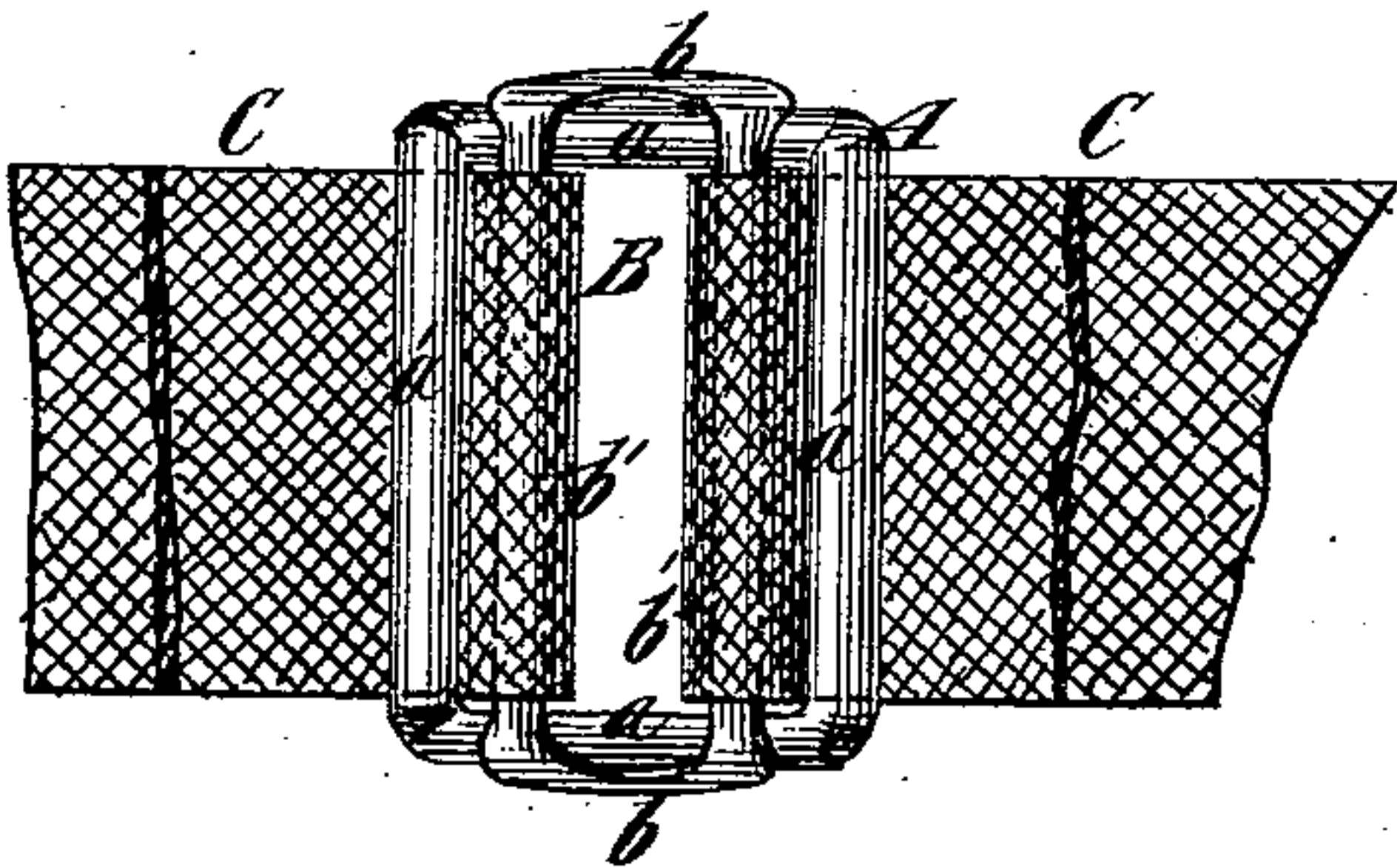
No. 241,255.

Patented May 10, 1881.

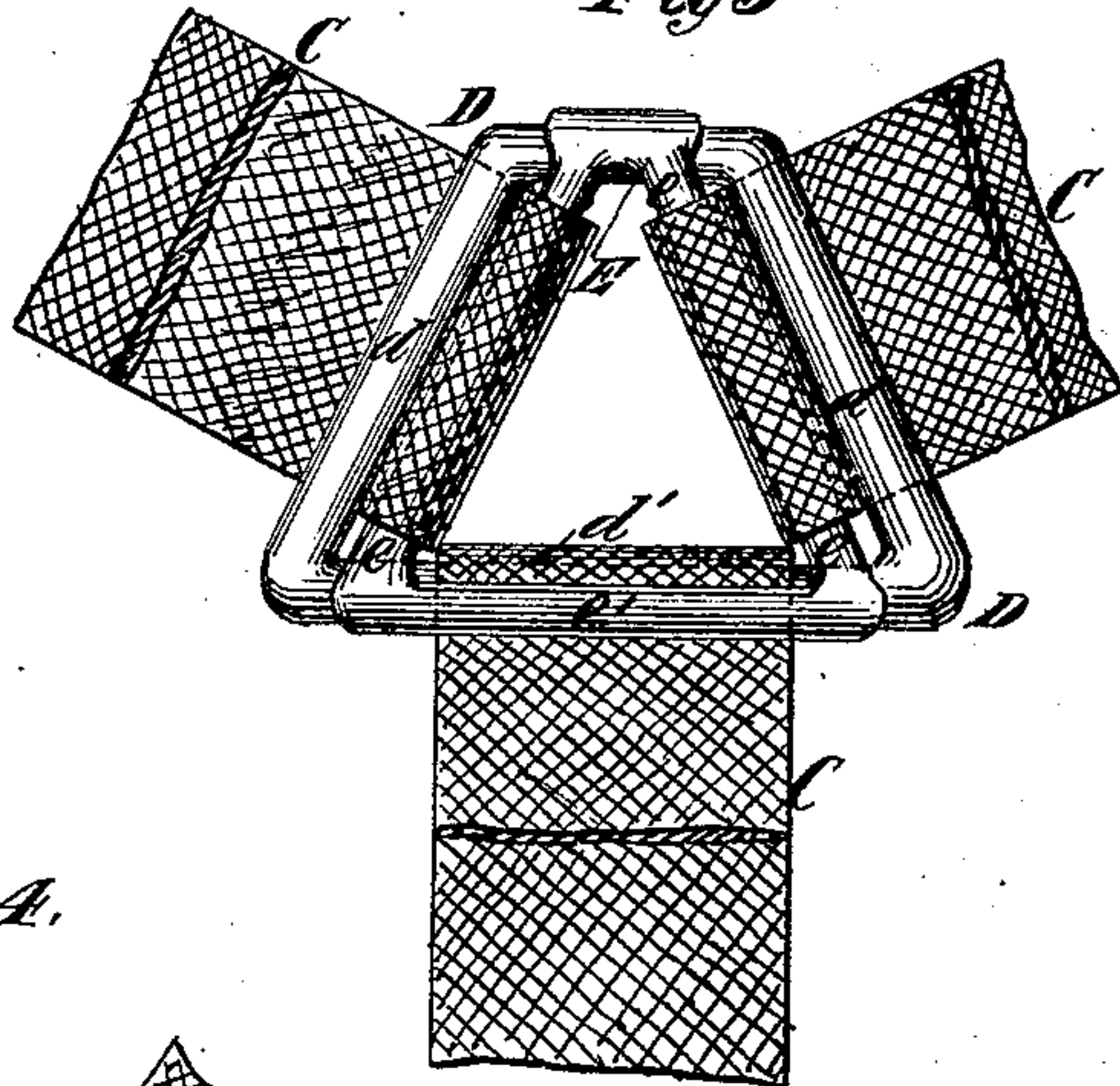
*Fig 1.*



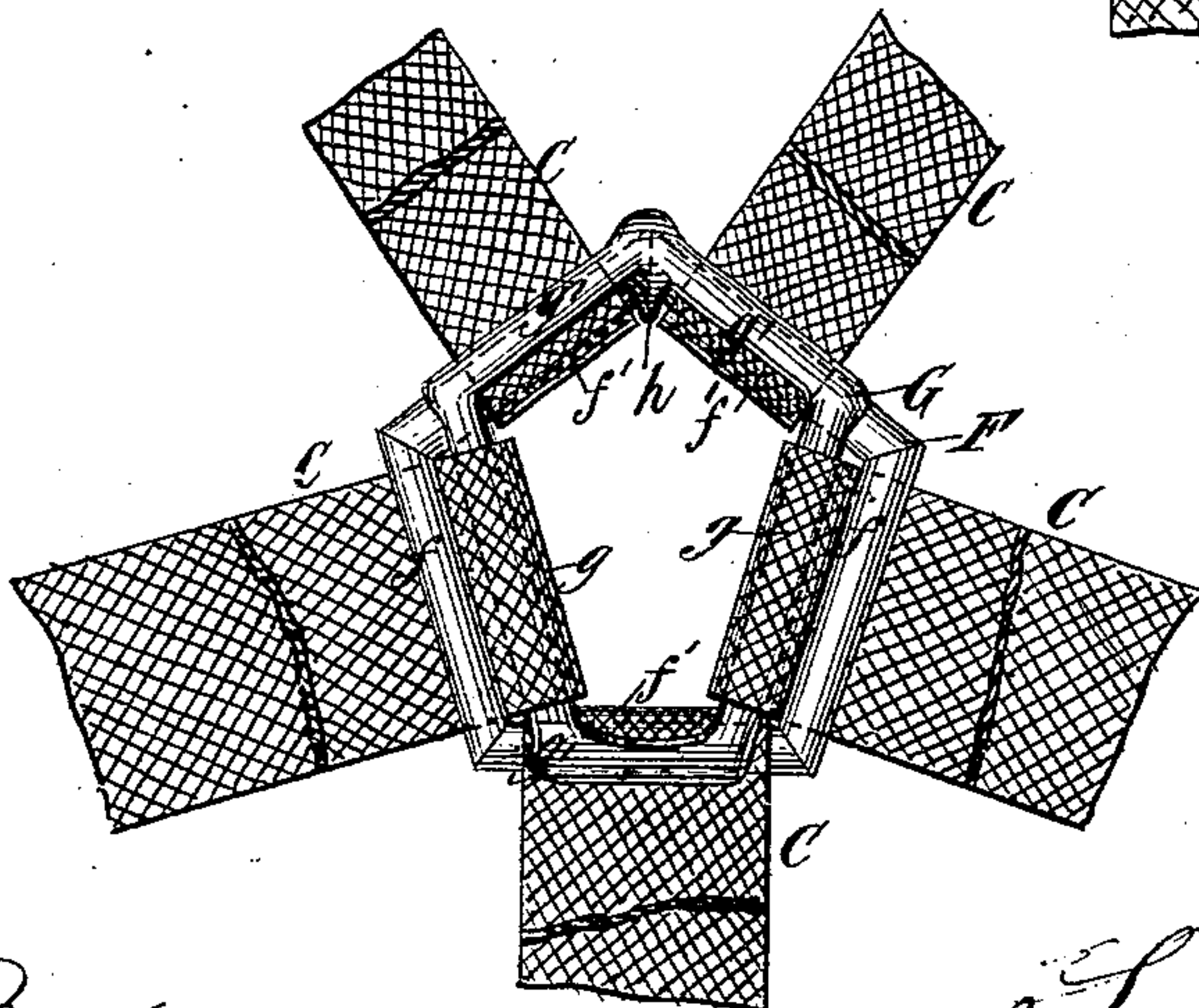
*Fig 2.*



*Fig 3.*



*Fig 4.*



Witnesses

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# UNITED STATES PATENT OFFICE.

SIGOURNEY WALES, OF WATERBURY, CONNECTICUT, ASSIGNOR, BY MESNE ASSIGNMENT, TO HARRIOT H. WALES, OF SAME PLACE.

## SLIDE OR CONNECTION FOR STRAPS.

SPECIFICATION forming part of Letters Patent No. 241,255, dated May 10, 1881.

Application filed July 12, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, SIGOURNEY WALES, of Waterbury, in the county of New Haven and State of Connecticut, have invented a certain  
5 new and Improved Slide or Connection for Straps, &c., of which the following is a specification.

The object of my invention is to provide a simple and inexpensive device whereby two or  
10 more straps or strips of flexible material may be connected so that they may be conveniently adjusted in length, as hereinafter described.

My invention consists in a slide or connection composed of two frames of rectangular or  
15 polygonal form and of unequal size, the smaller overlapping the larger upon opposite sides or ends, and supported thereon, and the two frames being so combined that the smaller may be moved upon the larger or raised therefrom  
20 to facilitate the adjustment of straps.

The straps or strips to be connected are looped over the bars constituting opposite sides of the auxiliary frame, and passed under the bars of the main frame; and when so connected a pull  
25 upon the straps or strips will hold the auxiliary frame tightly upon the main frame, and yet permit the auxiliary frame to be raised from the main frame to enable the straps to be adjusted. If desirable, other straps or strips  
30 may be looped over the inverted-U-shaped bars of the main frame under the impinging bars of the auxiliary frame.

In the accompanying drawings, Figure 1 represents a perspective view of a connection  
35 or slide embodying my invention, and comprising two frames of rectangular form. Fig. 2 represents a plan view of such connection or slide with straps or strips connected to opposite sides thereof. Fig. 3 represents a plan of  
40 a connection or slide of approximately triangular form, having straps or strips connected to three sides thereof; and Fig. 4 represents a plan of a connection or slide of polygonal form and straps or strips connected to all the sides  
45 thereof.

Similar letters of reference designate corresponding parts in all the figures.

A B, Figs. 1 and 2, designate the two parts  
50 of which my connection or slide is composed, and which consists of two rectangular frames

preferably stamped from sheet metal, the main frame A being somewhat broader than the auxiliary frame B, and forming a support therefor. The opposite ends, *a*, of the main frame A are overlapped by and support the ends *b* of  
55 the auxiliary frame B, and preferably the bars forming both the ends are of inverted-U shape in their transverse section, so that the auxiliary frame will be held in proper relation to the main frame. The slot or opening in the  
60 auxiliary frame B is preferably extended into the portions thereof which bear upon the main frame A, so as to lessen the bearing of the former frame upon the latter and permit it to slide easily thereon.  
65

The manner of connecting the flexible straps or strips C to the slide or connection is shown clearly in Fig. 2. The two straps or strips are looped over the bars *b'*, forming the opposite  
70 sides of the frame B, and are passed under the bars *a'*, forming the corresponding sides of the frame A. When so connected the pull or strain upon the straps or strips holds the two frames tightly together. To adjust the straps or strips  
75 it is only necessary to pull up the fly ends, whereupon the said straps or strips will slip readily with a strong pull.

It will be observed that the auxiliary and main frames are not connected in any way, save that the latter supports the former, and hence  
80 facility is afforded for lifting or moving the auxiliary frame away from the main frame when it is desired to slip the straps longitudinally, for the purpose of lengthening or shortening them. The frame B can be readily lifted  
85 from the frame A to facilitate the adjustment of the straps.

The slide or connection represented in Fig. 3 is similar to that just described, except that the two frames D and E are approximately trian-  
90 gular in shape, and three straps or strips, C, are connected thereto instead of two. Two of these straps or strips are looped over the bars *e* and passed under the bars *d* in the manner heretofore described, while the third is simply looped  
95 over the end bar, *d'*, of the frame D and held between it and the impinging bar *e'* of the frame E.

In the connection or slide shown in Fig. 4 the two frames F G are represented as polygo- 100



nal in shape, having five straps, C, connected thereto. Two of these straps are looped over the bars *g* and passed under the bars *f*, as previously described, while the remaining three  
5 straps are looped around the bars *f'* of the frame F, and held between them and the impinging bars *g'* of the frame G. When the frames are polygonal, as shown in Fig. 4, the auxiliary frame G may be provided with lips *h* at  
10 the angles to prevent the straps upon adjacent sides from passing over one another.

By my invention I produce a connection or slide which is very simple in construction, and in which provision is afforded for longitudinal  
15 adjustment, as above described.

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

1. A slide or connection composed of two frames of rectangular or polygonal shape and  
20 of unequal size, the smaller overlapping the larger upon opposite sides or ends and supported thereon, and the two frames being so combined that the smaller may be moved upon the larger or raised therefrom to facilitate the  
25 adjustment of straps, substantially as specified.

2. The combination, with a slide or connection composed of a main frame and a smaller auxiliary frame overlapping the main frame

upon opposite sides or ends and supported thereon, but otherwise having no connection  
30 therewith, of straps or strips of flexible material looped over the bars of the auxiliary frame and passed under the bars of the main frame, thereby serving to hold the auxiliary frame upon the main frame, substantially as specified. 35

3. The combination, with a slide or connection composed of a main frame and a smaller auxiliary frame overlapping the main frame upon opposite sides or ends and supported  
40 thereon, but otherwise having no connection therewith, of straps or strips of flexible material looped over the bars of the auxiliary frame and passed under the bars of the main frame, and other straps or strips looped round bars  
45 of the main frame, between it and the impinging portions of the auxiliary frame, substantially as and for the purpose specified.

4. The combination, with the frame F, of the smaller frame G, provided with the inwardly-projecting lip *h*, substantially as and for the  
50 purpose specified.

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Witnesses:

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