J. Flinn.

Impd Self-Fastening Spring for Webbing.

No 72008 Patented Dec. 10, 1867.

Fig. 1.

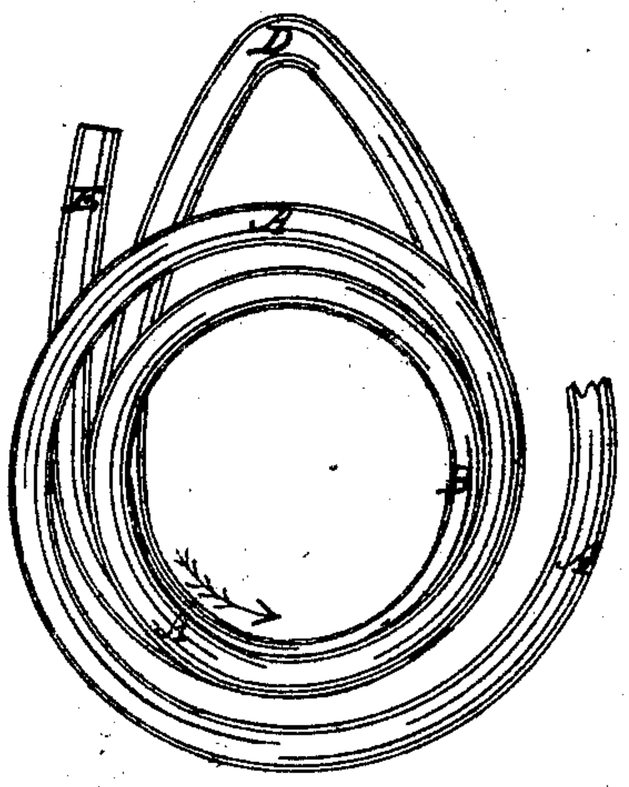


Fig. 2.

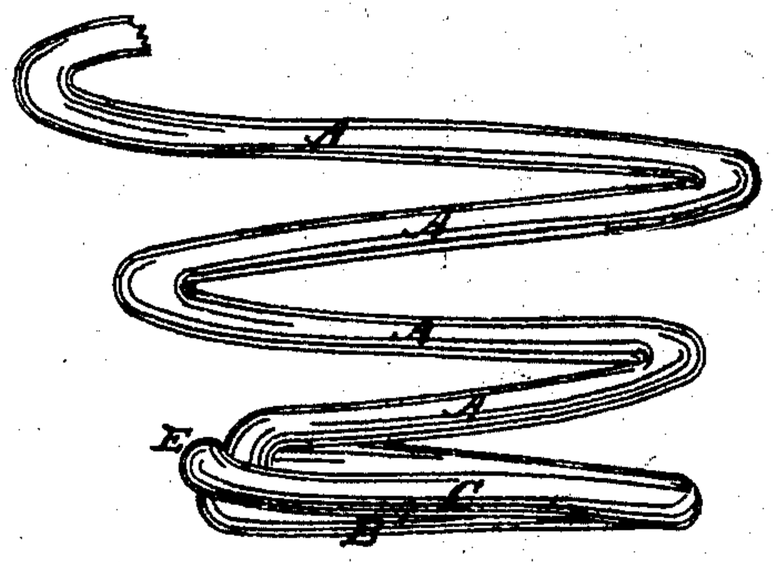
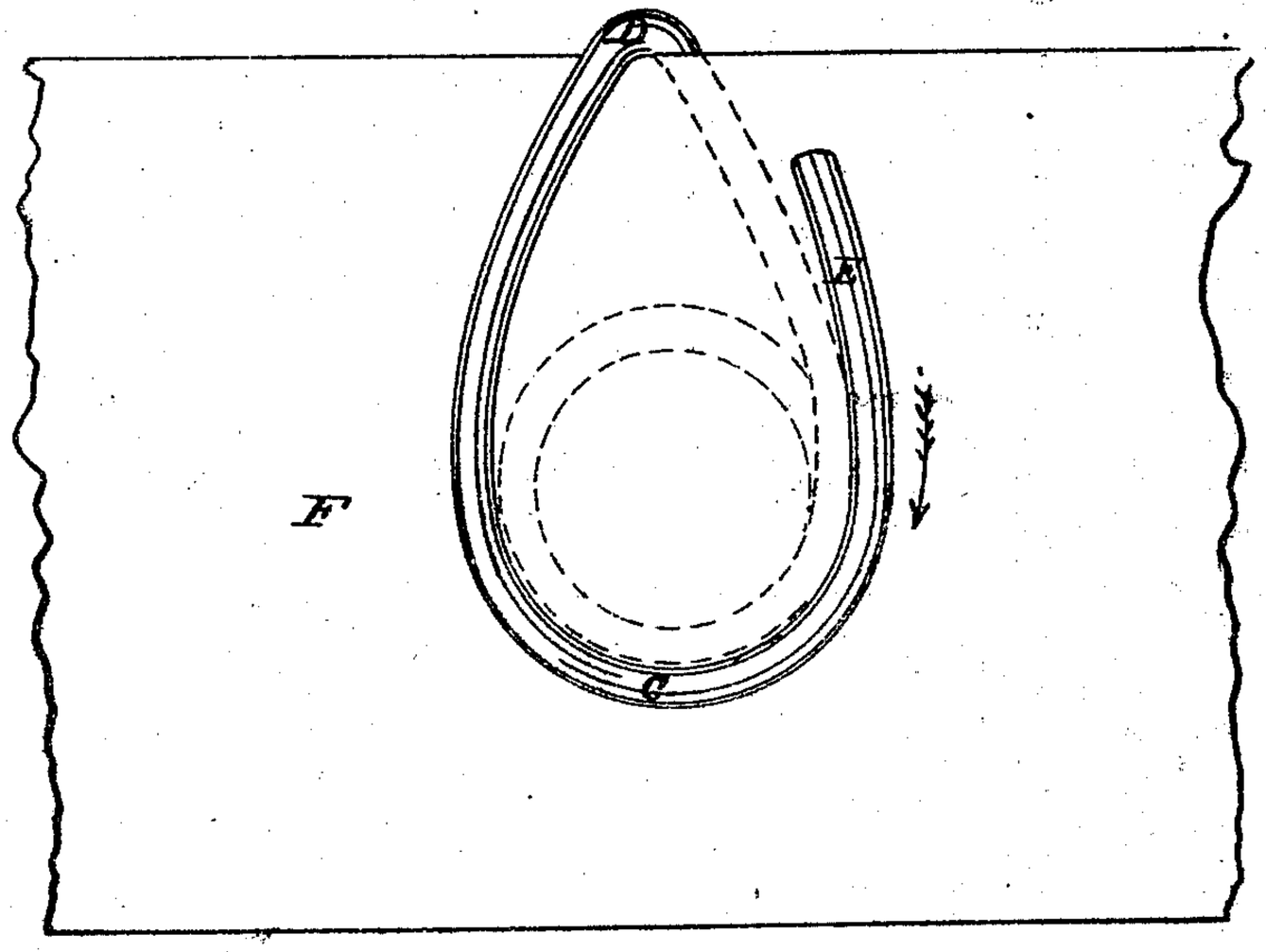


Fig. 3.



Witnesses.

Benj Chrystie

Wm H Morison

Inventor.

John Flinn

United States Patent Office.

JOHN FLINN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO ARCHER STEEL, OF THE SAME PLACE.

Letters Patent No. 72,008, *dated December* 10, 1867.

IMPROVED SELF-FASTENING SPRING FOR WEBBING.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN FLINN, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and improved Self-Fastening Spring for Application to Webbing; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a sectional plane view, and

Figure 2 a sectional elevation of the said improved spring, and

Figure 3 a plane view of the under side of the webbing, having one of the said springs applied thereto—

Like letters of reference indicating the same parts when in the different figures.

The spiral wire springs hitherto used in making the spring-seats or bottoms of chairs, sofas, &c., require to be sewed fast to the webbing, and, consequently, are very liable to wear loose, become detached, and slipped out of place, in a short time, by use.

The object of my invention is to obviate this result, by making the springs self-fastening, or capable of holding themselves properly and durably in position when applied to the webbing.

It consists in so bending one end of the spiral coil of wire, in making the spring, that a spring-clamp will be formed thereat, which will hold the spring permanently in place, after it has been applied, by slipping it over the webbing, substantially as hereinafter described.

In the drawings, A A are the spring coils, and B C D E the clamping-coils. The wire from the clamping-coil B is extended outward therefrom, in a larger curve, C, to about an inch, more or less, and then, by a short turn at D, backward to the opposite side, and a little above the said coil B, thence around the same, by a concentric curve, to the first-mentioned side, and, finally, outward therefrom tangentially to about an inch, more or less, where it is cut off, as shown by E, in figs. 1 and 3. The circular part, C, of D and E, after the spring has been thus formed, remains sprung partly over and in contact with the upper side of the coil B, producing together the said spring-clamp.

The spring thus constructed is applied to the webbing F (see fig. 3) by slipping the opening left between the coil C and the next coil above it, so as to bring the one edge of the said webbing F between them, and then rotating the whole spring around, in the direction of the arrows, until the parts C D E are brought into the position shown in fig. 3, on the under side of the stretched webbing of the seat, and consequently the circular coil B into the relative position on the opposite side of the webbing, as indicated by the dotted lines in the same figure, thus clamping the webbing between them so as to keep the spring securely and permanently in place. The distance of the short bend D from the circular coil B is intended to be made more or less, as the width of the particular webbing used may require, in order that the centre of the coil B will come to the middle of the webbing to which it is to be applied, as shown in fig. 3.

It will be seen that this self-fastening spring will permanently hold itself in place on the webbing without the aid of any sewing whatever for the purpose, and, moreover, that it can be applied with much greater facility than the old spring.

What I claim as my invention, and desire to secure by Letters Patent, is confined to the following, viz:

I claim a spiral spring, for webbing, having the wire at one end of the spiral coils A A bent in the manner described and shown by B C D E, for the purpose specified.

JOHN FLINN.

Witnesses:

BENJ. MORISON,

WM. H. MORISON,