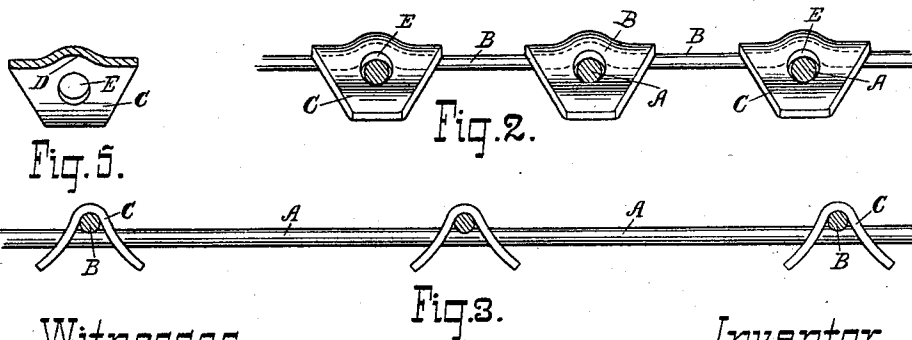
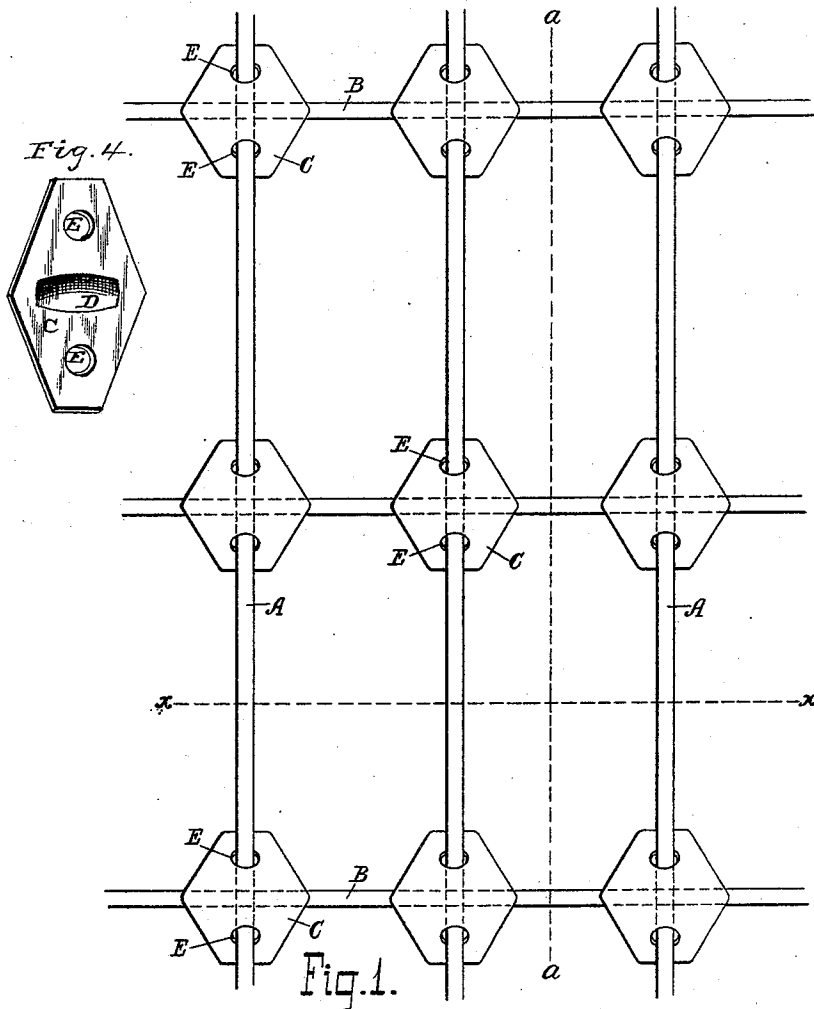


(No Model.)

S. S. CASEY.
METAL FABRIC.

No. 539,415.

Patented May 21, 1895.



Witnesses
Jas. Edmunds.
S. Mc Bain

Inventor
Selden S. Casey
By P. J. Edmunds
Attorney.

UNITED STATES PATENT OFFICE.

SELDEN S. CASEY, OF LONDON, CANADA.

METAL FABRIC.

SPECIFICATION forming part of Letters Patent No. 539,415, dated May 21, 1895.

Application filed May 31, 1893. Serial No. 476,301. (No model.)

To all whom it may concern:

Be it known that I, SELDEN S. CASEY, a subject of the Queen of Great Britain, and a resident of the city of London, in the Province of Ontario, Canada, have invented a new and useful Clip for Metal Fabrics and Wire Fences, of which the following specification, taken in connection with the accompanying drawings, forms a full, clear, and exact description.

This invention relates to a clip, C, and it consists of a folded metal plate, in which are formed two separate and independent openings, E, E, and a central dish or cup shaped cavity, D, which cup shaped cavity, D, extends beyond and in addition to the fold of the clip, and about one-half of the distance across and centrally of said clip; and also of the same in combination with wires which intersect or cross each other, the object being by means of said clip, to lock and firmly hold together said wires where they intersect or cross each other.

In the accompanying drawings, Figure 1 shows wires intersecting or crossing each other and the application of my improved clip to said wires to firmly hold them together where they intersect or cross each other. Fig. 2 is a sectional view on the line xx of Fig. 1. Fig. 3 is a sectional view on the line aa of Fig. 1. Fig. 4 is a perspective view of the clip before being folded, showing the two openings through and the dish or cup shaped cavity therein. Fig. 5 is a cross-sectional view of the clip, showing one-half of the latter in perspective.

C, designates a clip of metal or other suitable material, in which is formed the two separate and independent openings, E, E, and the central dish or cup shaped cavity, D, which cup shaped cavity, D, extends beyond and in addition to the fold of the clip and about one-half of the distance across and centrally of said clip.

A, B, designate wires, which intersect or cross each other, and any number of these wires may be used and placed at the same or different distances apart, according to the size, closeness or kind of fabric or fence required.

The two separate and independent openings, E, E, and the dish or cup shaped cavity, D, are formed in the clip, C, as shown particu-

larly in Figs. 4, and, 5, and said clip is folded in a substantial U-shape as shown in Fig. 3, or in such a shape that the openings, E, E, will be opposite one another; and when said clip is adjusted properly on the wires, A, B, to clip them together, the folded portions will be at or about right angles to said wires. This dish or cup shaped cavity, D, is formed centrally in, and extends over about one half of the distance across said clip as shown in Figs. 4 and 5, so that when the latter is folded, the cavity will be in the fold, but will form a dish or cup shaped cavity which extends beyond and in addition to the fold; which cavity could not be formed by the folding of the clip.

The wires, A, B, are secured together where they cross each other as follows:—The wire, B, is firmly secured at its ends to posts or other suitable supports; and the clip, C, adjusted in connection therewith or in relation thereto, so that said wire, B, will rest in the fold of said clip. After the wire, B, is placed in fold, C, of the clip, the wire, A, is projected longitudinally through the openings, E, E. When adjusted as described, the wire, B, will be between the wire, A, and the clip, C.

By a wire crimping tool or other means not shown the wire, B, may be crimped before or after it is adjusted in the clip, C, the crimp on the wire, B, being placed or pressed in the cup shaped cavity, D, and the folded portions of the clip are pressed slightly outward or from one another to bind them on the wire, A, and thereby completely prevent the lateral or longitudinal movement of said wires, A, B; and further, in this invention, the portion of the clip, C, midway between its ends is solid, and has a central, dish or cup shaped cavity, D, therein, which cavity could not be formed by the folding of the clip, and the wire, B, has a crimp formed therein, which is inserted into this cavity, D, and this crimped portion of the wire, B, is locked in said cavity, D, by the wire, A, and prevented from moving longitudinally or vertically, thereby locking and firmly holding the wires together where they intersect or cross each other; and further, the clip, C, being folded at or about right angles to the wires, A, B, as shown in Fig. 3. When firmly securing them together where they intersect or cross each other, the strain of said wires are lengthwise on said clip, and said clips are thereby en-

abled to withstand a greater strain than if the strain of the wires on the clip were crosswise of the latter. Again, by compressing the folded ends of the clip, C, together, the wires, 5 A, B, may be separated sufficiently to remove them for repair or for the insertion of a new wire.

Having thus described my invention, I claim—

- 10 1. As a new article of manufacture, a clip for metal fabrics and wire fences, consisting of a folded plate, C, in which are formed two separate and independent openings, E, E, and a dish or cup shaped cavity, D, which cup
15 shaped cavity, D, extends beyond and in addition to the fold of the clip, and about one half of the distance across and centrally of said clip, substantially as and for the purpose set forth.

2. A clip for metal fabrics and wire fences, 20 consisting of a folded plate, C, in which are formed two separate and independent openings, E, E, and a dish or cup shaped cavity, D, which cup shaped cavity, D, extends beyond and in addition to the fold of the clip, 25 and about one half of the distance across and centrally of said clip, in combination with the wire, A, and the crimped wire, B, which intersect or cross each other, substantially as and for the purpose set forth. 30

In testimony whereof I affix my signature in the presence of the two undersigned witnesses.

SELDEN S. CASEY.

Witnesses:

P. J. EDMUNDS,
S. MCBAIN.