(No Model.)

R. FARIES.

FASTENING FOR SECTIONS OF WIRE.

No. 265,665. Patented Oct. 10, 1882.

Fig. 1.

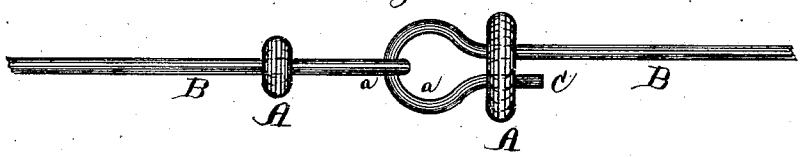


Fig. 2.

Fig. 3.

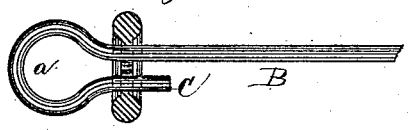


Fig. 4.

Fig. 5.

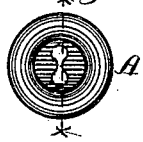


Fig. 6.

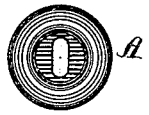


Fig. 7.

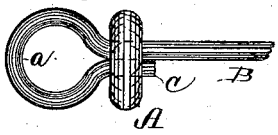
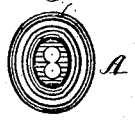


Fig. 8.



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Inventor,
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UNITED STATES PATENT OFFICE.

ROBERT FARIES, OF DECATUR, ILLINOIS.

FASTENING FOR SECTIONS OF WIRE.

SPECIFICATION forming part of Letters Patent No. 265,665, dated October 10, 1882.

Application filed September 24, 1881. (No model.)

To all whom it may concern:

Be it known that I, ROBERT FARIES, a citizen of the United States, residing at Decatur, in the county of Macon and State of Illinois, have invented a new and useful Improvement in Fastenings for Sections of Wire, of which the following is a specification.

My invention relates to improvements in rings for securing the two parts of wire in forming a splice such as is sometimes used in connecting the sections of check-row corn-planter wires, and for similar purposes.

The improvement consists in forming a solid ring with an oblong hole and a web of thinner metal toward the center for the purpose of enabling it to be more readily slipped over and swaged down onto the two parts of the wire to be secured. I attain these objects in the manner illustrated in the accompanying drawings, in which—

Figure 1 shows two sections of wire, B B, connected by loops *a a* and the returned end C and the main wire B secured together by my improved ring A. Fig. 2 is a side view of the ring A with the wires B C, Fig. 1, withdrawn, leaving two holes, *c c*. Fig. 3 shows ring A in section through line *y y*, Fig. 2, with wires B C in place. Fig. 4 is a section of Fig. 5 on line *x x*. Figs. 5, 6, and 8 are side views of ring A, Figs. 1, 3, and 7, showing oblong holes of different forms. Fig. 6 is the form preferred before being applied to the wire, it being most easily made, but assuming one of the forms shown in Figs. 2, 5, and 8 by the act of swaging down, the exact form being governed by the length of the hole in proportion to the size of the wires, the form of the dies, and the direction of greatest pressure in swaging down. When all of the conditions are best the form taken will be that shown in Fig. 8.

The outward form will be governed mostly by the same conditions as that of the inner form; but that is of comparatively little importance.

It will be seen that when the ring is properly swaged down the wires B C are secured independently of each other, whether they are in contact or not, and the withdrawal of one does not materially affect the tightness of the other. Under the present state of the art these rings are best made by casting them of malleable iron.

In my application of even date herewith I describe a ring as hammered or swaged down onto the two parts of the wire.

I am aware that prior to my invention loose collars have been slipped over the two parts of the wire with the view of securing them together. I therefore do not claim them, broadly; but

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

The ring or stop A for check-row wires, formed with an oblong hole, and a web of thinner metal toward its center, as and for the purpose specified.

ROBERT FARIES.

Witnesses:
JOHN B. BIXBY,
CHAS. P. HOUSUM.