(No Model.)

G. P. FISHER, Jr.

STRIP FOR METAL FENCES.

No. 373,772. Patented Nov. 22, 1887.

Fig. 1.

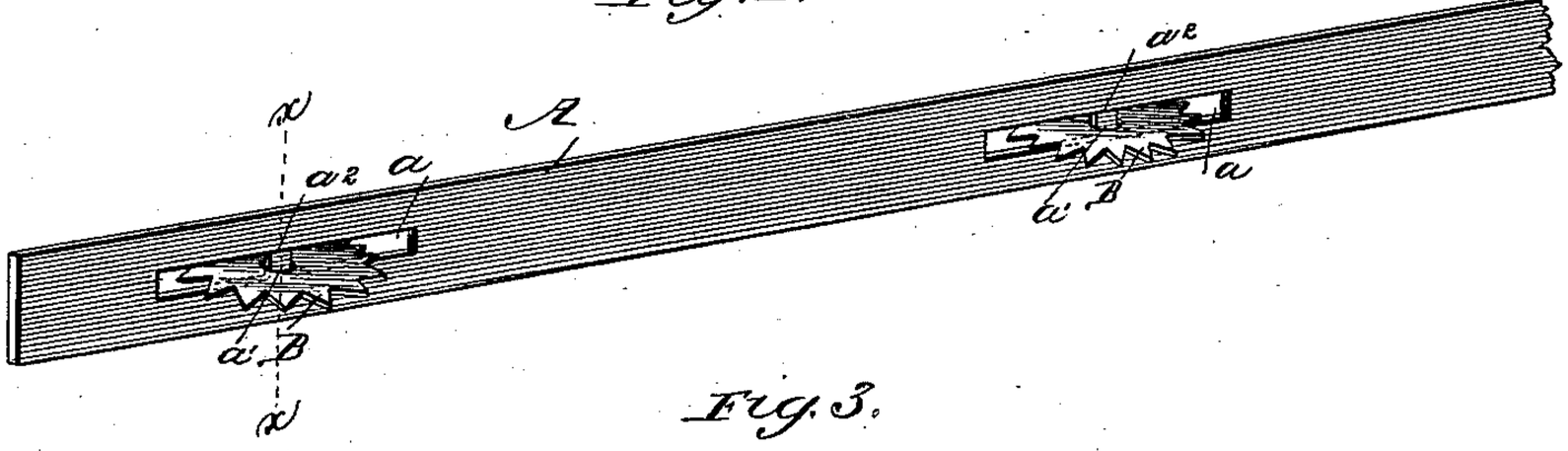


Fig. 3.

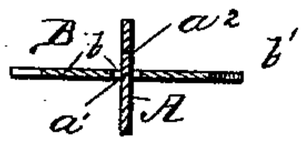


Fig. 2.

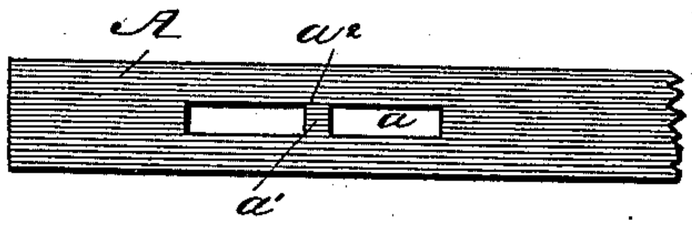


Fig. 4.

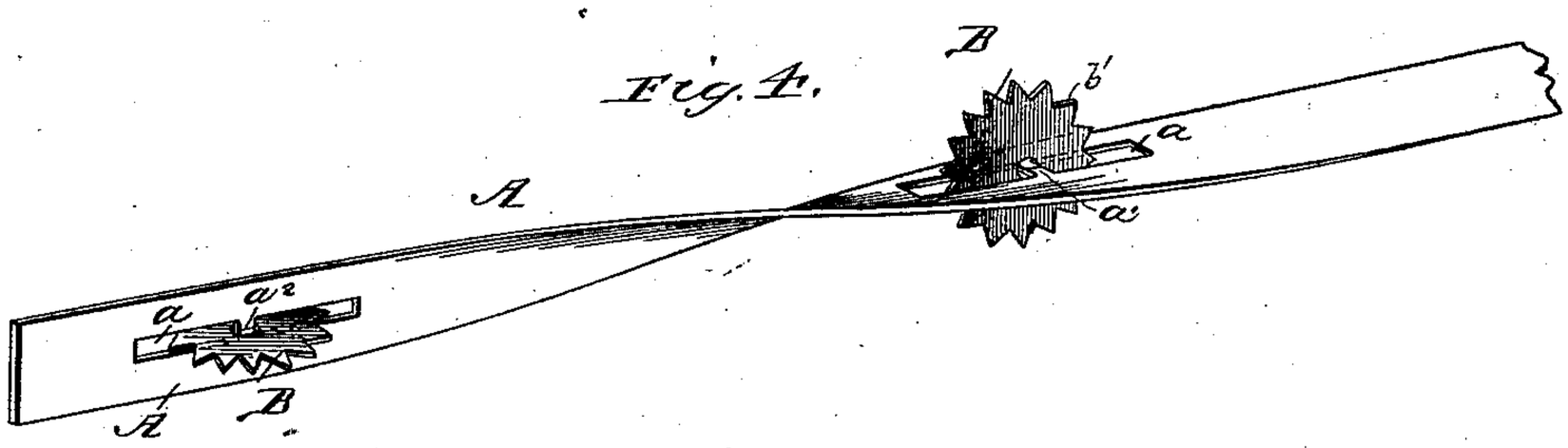


Fig. 5.

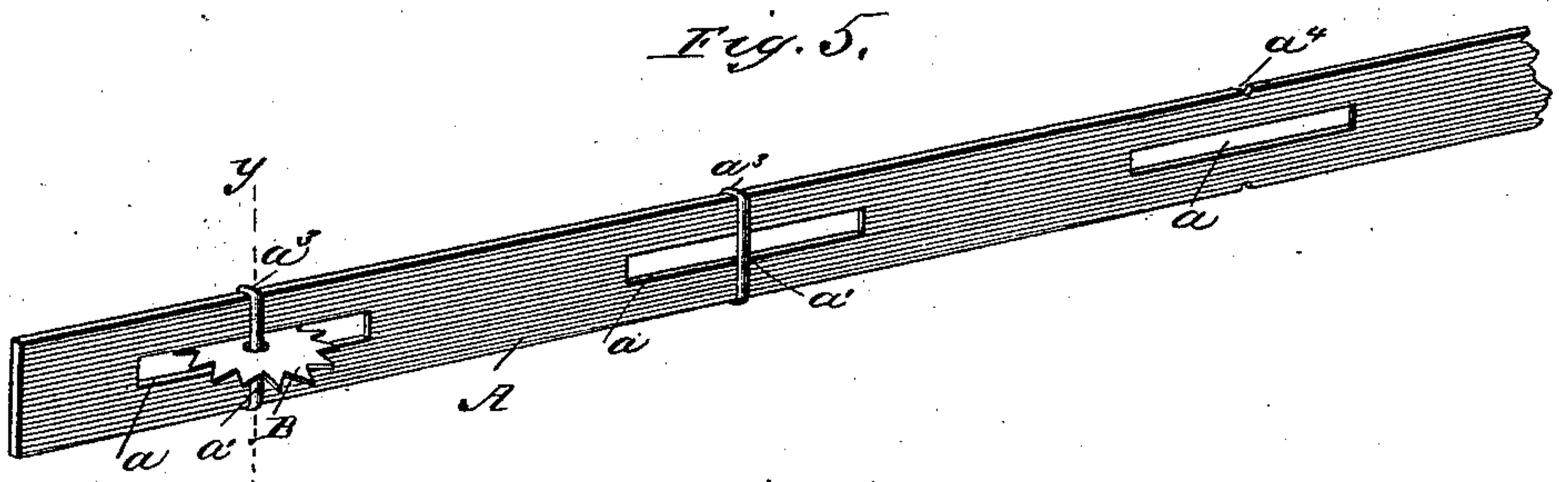
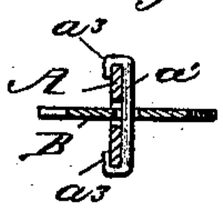


Fig. 6.



Witnesses.

W. Bossiter.

James Heine

Inventor.

Geo. P. Fisher Jr.

UNITED STATES PATENT OFFICE.

GEORGE P. FISHER, JR., OF CHICAGO, ILLINOIS.

STRIP FOR METAL FENCES.

SPECIFICATION forming part of Letters Patent No. 373,772, dated November 22, 1887.

Application filed September 6, 1887. Serial No. 248,927. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. FISHER, Jr., a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Strips for Metal Fences, of which I do declare the following to be a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My present invention has relation to the improvement of that class of metal fences in which the fence-strips are provided with a series of movable spurs or barbs located throughout their length at short distances apart, the purpose of such construction being to avoid the injury to stock incident to that form of metal fences in which the spurs or barbs are rigidly attached to the strips.

In the construction of this class of fences it has been heretofore proposed to provide the flat metal fence-strips with a series of spurs attached thereto by means of rivets in such manner that the plane of the spurs or movable barbs was parallel to the plane of the fence-strip. This construction, however, is objectionable, for the reasons, among others, that the spurs, when extending parallel to the plane of the fence-strip, and consequently in vertical direction, do not present their points in the most advantageous position for preventing cattle from moving against the fence; and, moreover, there is difficulty in attaching the spurs to the fence-strips by rivets in such manner as to permit a free revolution of the spurs or barbs and at the same time securely connect them with the strip.

My present invention has for its object to avoid the objections incident to prior constructions of metal fences; and to this end it consists in the several novel features of construction hereinafter described, illustrated in the accompanying drawings, and particularly defined in the claims at the end of this specification.

Figure 1 is a perspective view illustrating one form of my improved fence-strip. Fig. 2 is a detail side view of a portion of such strip with the spur removed therefrom. Fig. 3 is a view in transverse section on line *x x* of Fig. 1. Fig. 4 is a perspective view of a modified form of my invention. Fig. 5 shows a modification. Fig. 6 is a view in transverse section on line *y y* of Fig. 5.

A designates the main body of the fence-strip, which may be of any suitable width and thickness, and *a* denotes a series of spaces or openings formed in the body of the strip. Across each opening *a* of the strip, and at its center, extends the pivot or piece *a'*, whereon will be mounted a movable spur or barb, B, of suitable construction, the preferred form being that of a circular spur having a central opening, *b*, and a series of points or teeth, *b'*, at its periphery. The spur-holding piece or pivot *a'* is by preference formed integrally with the main body of the strip A, a slit, a^2, separating one end of the spur holding piece from the adjacent edge of the slot *a*, so that these parts may be readily separated for the insertion of the spurs B upon the pivots *a'* and subsequently restored to the position shown in Fig. 1 of the drawings.

In the form of my invention illustrated in Fig. 4 of the drawings the body A of the strip is provided with the slots *a*, as in Fig. 1; but the spur-holding piece or pivot *a'* is provided with the slot a^2 at its center instead of at one end, as illustrated in Fig. 1 of the drawings. In this form of my invention, also, the strip A is shown as twisted, in order to present the movable barbs or spurs at different angles, the strip A being preferably given a quarter-twist between adjacent spurs.

In the form of my invention illustrated in Fig. 5 of the drawings the movable spurs or barbs B are held within the slots *a* of the strip A, as in the forms of the invention hereinbefore described; but in this construction the spur-holding pieces or pivots *a'* are formed separate from the main strip A, and are connected thereto, preferably by bending the ends a^3 around the opposite edges of the strip A, which at such points is preferably provided with slots a^4 to prevent the longitudinal displacement of the spur-holding pieces *a'*; and it will be readily seen that when the spur-holding pivot or piece *a* has its ends thus bent over the edge of the main strip A the ends will be clamped against the strip, so as to firmly hold the parts together.

While I regard the construction illustrated

in Fig. 1 of the drawings as the preferred embodiment of my invention, it will be seen that the constructions also illustrated in Figs. 4 and 5 are equally within the scope thereof.

It will be readily understood that in constructing the fence of my improved fence-strips the strips will be attached to the posts in any well-known or suitable manner, being preferably arranged with the edge of each strip upward, in order that the flat sides of the strip will be so exposed as to be readily seen by the cattle, and the points of the spurs will be in such position as to most effectively serve to prevent the breaking down of the fence.

While I have illustrated in the accompanying drawings but one form of movable spur or barb it will be readily understood that other forms of movable spurs or barbs may be employed without departing from the spirit of the invention, and I therefore do not wish the term "spur" as herein employed to be regarded as a term of limitation, being designed to cover equally other forms of movable barbs or spurs.

I am aware that it has been heretofore proposed to form barbed fences of several strands of wire having short wires extending transversely thereof and having movable spurs mounted upon such short wires between the main strands, an example of this type of fence being illustrated in Patent No. 230,445, dated July 27, 1880. To such construction, therefore, I do not wish to be understood as making any claim.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A metal fence-strip having spaces in the body thereof and provided with spur-holding pieces and with spurs held upon said pieces and within said spaces, substantially as described.

2. A metal fence-strip having cut-away spaces formed therein, and having integral therewith spur-holding pieces, and having spurs upon said pieces, substantially as described.

GEORGE P. FISHER, JR.

Witnesses:
JAMES H. PEIRCE,
I. B. CARPENTER.