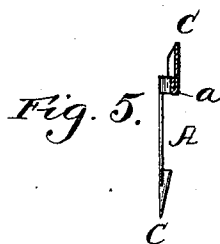
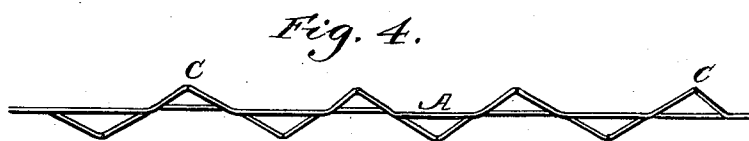
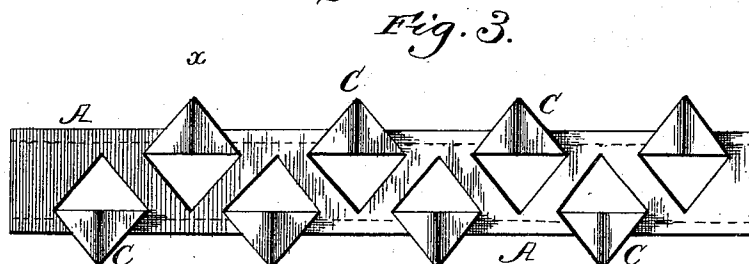
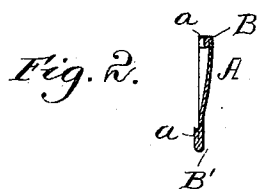
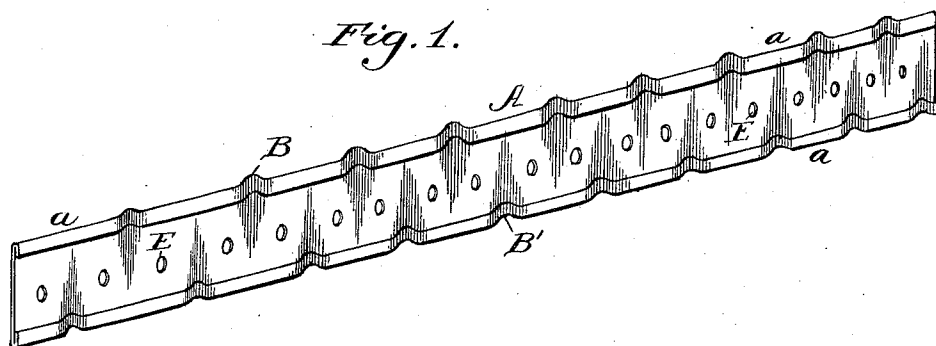


(No Model.)

R. B. PERKINS.
FENCE.

No. 478,170.

Patented July 5, 1892.



Witnesses:
J. B. McGivver.
William O. Belt.

Inventor:
Richard B. Perkins,
By *his Attorneys*
Edw. O. Smith

UNITED STATES PATENT OFFICE.

RICHARD B. PERKINS, OF HORNELLSVILLE, ASSIGNOR OF ONE HALF TO
CHARLES A. BALL, OF WELLSVILLE, NEW YORK.

FENCE.

SPECIFICATION forming part of Letters Patent No. 478,170, dated July 5, 1892.

Application filed September 29, 1891. Serial No. 407,183. (No specimens.)

To all whom it may concern:

Be it known that I, RICHARD B. PERKINS, a citizen of the United States, and a resident of Hornellsville, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Fences; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in fences of that class in which a continuous metallic strip or ribbon is employed; and the objects of the invention are to provide a simple and cheap ribbon which will accommodate itself to changes in temperature and to form barbs on said ribbon, which are reinforced or strengthened, without increasing the weight of the ribbon, the whole being formed out of a single piece of metal.

My improvements consist of a ribbon provided on one face with longitudinal strengthening-ribs and having a series of barbs stamped from the body thereof and bent to lie against the other side or face thereof, said ribbons or barbs being bent or crimped on alternate edges and on lines at right angles to the longitudinal axis of the ribbon to allow the metal to expand or contract with the varying changes of the temperature.

I have illustrated my improvements in the accompanying drawings, in which—

Figure 1 is a perspective view of a fence-ribbon embodying my improvements. Fig. 2 is a transverse vertical sectional view of the same. Fig. 3 is a side view of the ribbon provided with barbs. Fig. 4 is a plan view, and Fig. 5 is a vertical sectional view taken on the line xx of Fig. 3.

Like letters of reference denote corresponding parts in all the figures of the drawings, referring to which—

A designates a metallic strip or ribbon of the desired width suitable for use on metallic fencing. The ribbon A is provided on one face with longitudinal strengthening-ribs a , and these ribs are arranged at the upper and lower edges of the ribbon and are preferably of convex shape in cross-section, as shown in Fig. 2. This strip or ribbon A is furthermore

crimped or indented, as at B B', on lines at right angles to the longitudinal axis of the ribbon. The crimps B are formed at one edge of the ribbon and the crimps B' are formed at the opposite edge thereof, and said crimps are alternately arranged in relation to each other transversely of the ribbon instead of being in line with each other. The crimps being formed at the edges of the ribbon, it follows that the ribs a are also bent, and the crimps also extend centrally through the barbs C, whereby the strength and stability of the ribbon are increased and expansion and contraction of the ribbon, due to changes in temperature, are provided for. The barbs C are stamped or cut out from the body of the ribbon A between the longitudinal ribs a thereof, and they are bent to lie against the ribbon A and extend beyond the edges thereof on the side opposite to the ribs a . Each alternate barb extends above the upper edge of the ribbon A, and the intermediate barbs extend below such ribbon.

The ribbon A can be made of any desired length and attached to the posts in any suitable manner.

I have provided a simple and ornamental ribbon in which the barbs are strengthened, as well as the ribbon itself, without increasing the weight of the ribbon.

In Fig. 1 I have shown the ribbon A provided with a series of apertures E, which reduce the weight of the ribbon and give the same a more attractive appearance. These apertures are also for convenience in nailing the ribbon to posts or other places.

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

1. As an article of manufacture, the metallic fence ribbon or strip having the longitudinal strengthening-ribs on one side and the smooth surface on the other side thereof and the barbs stamped from the body of the ribbon and bent at right angles to the length of the ribbon to lie against the flat smooth side thereof, substantially as described.

2. As an article of manufacture, the metallic fence ribbon or strip having the integral longitudinal ribs on one side, the integral barbs

on its other side, and the crimps or indentations formed alternately on its edges and extending through the ribs and barbs on lines at right angles to the longitudinal axis of the ribbon, substantially as described.

5 3. As an article of manufacture, the metallic fence ribbon or strip provided with the longitudinal reinforcing-ribs and the alternate crimps on its edges, extending at right angles

to the longitudinal axis of the ribbon, substantially as described.

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

RICHARD B. PERKINS.

Witnesses:

E. B. KREASON,
FRANK C. WALBRIDGE.