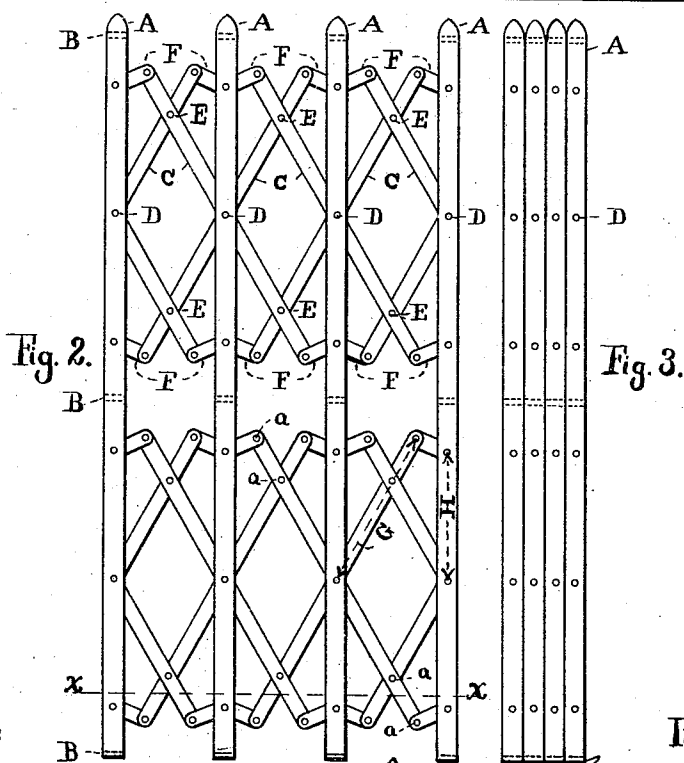
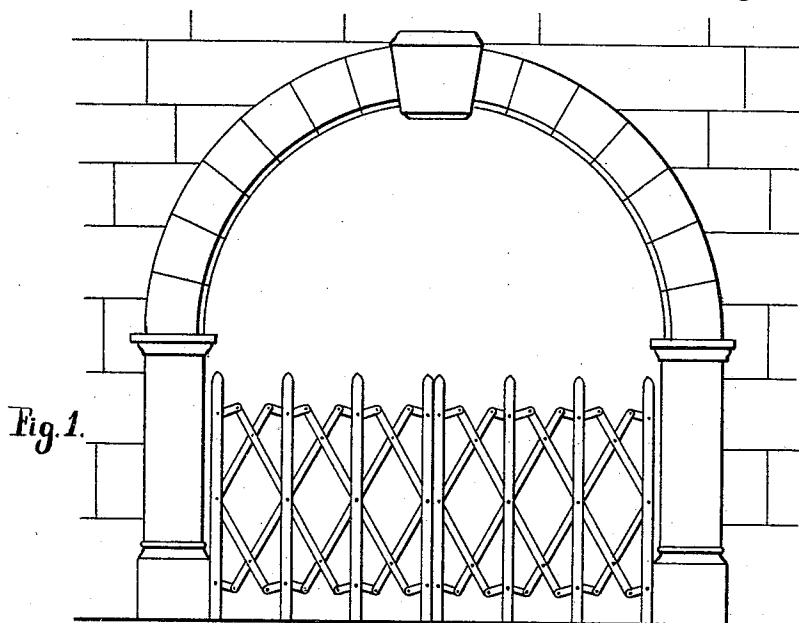


(No Model.)

E. COPPIETERS.
FOLDING GATE OR SCREEN.

No. 543,926.

Patented Aug. 6, 1895.



Witnesses:

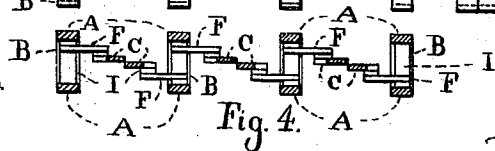
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UNITED STATES PATENT OFFICE.

EVARISTE COPPIETERS, OF SAN FRANCISCO, CALIFORNIA.

FOLDING GATE OR SCREEN.

SPECIFICATION forming part of Letters Patent No. 543,926, dated August 6, 1895.

Application filed March 25, 1895. Serial No. 543,120. (No model.)

To all whom it may concern:

Be it known that I, EVARISTE COPPIETERS, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented certain new and useful Improvements in Folding Gates or Screens; and I hereby declare the following specification and the drawings therewith to be a complete description of my invention, with the manner of constructing and applying the same.

My invention relates to gates or screens, made of metal bars, capable of lateral folding and extension, retaining full rigidity in all positions, and symmetrical in appearance.

My improvements consist of a double set of vertical bars or pickets connected in one plane by rigid cross-struts and the other way by interposed links or lattice-work attached to adjacent and also to alternate pickets occupying different vertical planes, so as to fold closely and at all points afford a firm support vertically and diagonally to the main bars or pickets, as will be more clearly pointed out in the description to follow, and in the claims at the end of this specification.

In the drawings, Figure 1 shows a pair of gates with a single set of diagonals or lattice-work, showing the invention in its most simple form as erected in a gateway. Fig. 2 shows a gate or screen provided with two sets of links or diagonals and extended. Fig. 3 shows the same gate folded or closed. Fig. 4 is a section on the line xx in Fig. 2, showing the position of the various members in their vertical planes.

Similar letters of reference are employed throughout to designate like parts in the drawings.

The main vertical members or pickets marked A are in pairs, joined at the ends and between sections of the lattice-work by rigid cross-struts B, as indicated in Figs. 2, 3, and 4. These pickets A can be made of any length, and the sections of the links or screenwork can be of any number, to accommodate the length or height, two sections, as shown in Fig. 2, being sufficient to explain the method of construction.

The pickets A are preferably of rectangular section, as shown in Fig. 4, but their outer faces can be circular, oval, or have any desired contour, including, when required, channel-bars or other sections to increase their stiffness.

The main pivoted lattice bars or links C have fulera at five points a , the central one being fixed or attached to adjacent pickets A at D, as seen in Figs. 2 and 3. The links or bars C are also loosely riveted to each other at E, where they cross, and at their outer end are attached to the short links F. These short links F are pivotally attached to alternate main pickets A. The length of these short links F deducted from the distance G, Fig. 2, produces the distance H, thus permitting the lattice-work to fold, as shown in Fig. 3.

By observing Fig. 4 it will be seen that the two sets of links C and F are in different planes vertically, and when folded come within the width of a single link and within the width of the pickets A. To dispose these links in their proper planes, spacing-ferrules I are placed on the rivets between the links, as seen in Fig. 4. By employing sections or series of the links or lattice-work, it will be seen that, as in Figs. 1 and 2, one or more such sections or series can be used as the length or height of a gate may require, and thus the links C and F can be made uniform and answer in all cases the same.

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

1. In a folding gate or screen, a double set of vertical main bars or pickets A, rigidly joined together by cross struts B, with interposed long and short links C and F, connecting in the manner substantially as described.

2. In a folding gate or screen, vertical members or pickets in pairs, joined by cross bars or struts, in the manner described, a series of long links pivoted to each other and to adjacent vertical bars or pickets, and at their ends to short links attached to alternate pickets, in the manner substantially as described.

3. In a folding gate or screen, sets or pairs

of vertical pickets joined together in the manner described, the pairs of pickets supported by long links or bars having five fulera or pivotal points each, one on the pickets, two
5 on corresponding links, and two on short links attached to alternate sets of vertical pickets, in the manner substantially as described.

In testimony whereof I have hereunto affixed my signature in the presence of two witnesses.

EVARISTE COPPIETERS.

Witnesses:

ALFRED A. ENQUIST,
WILSON D. BENT, Jr.