

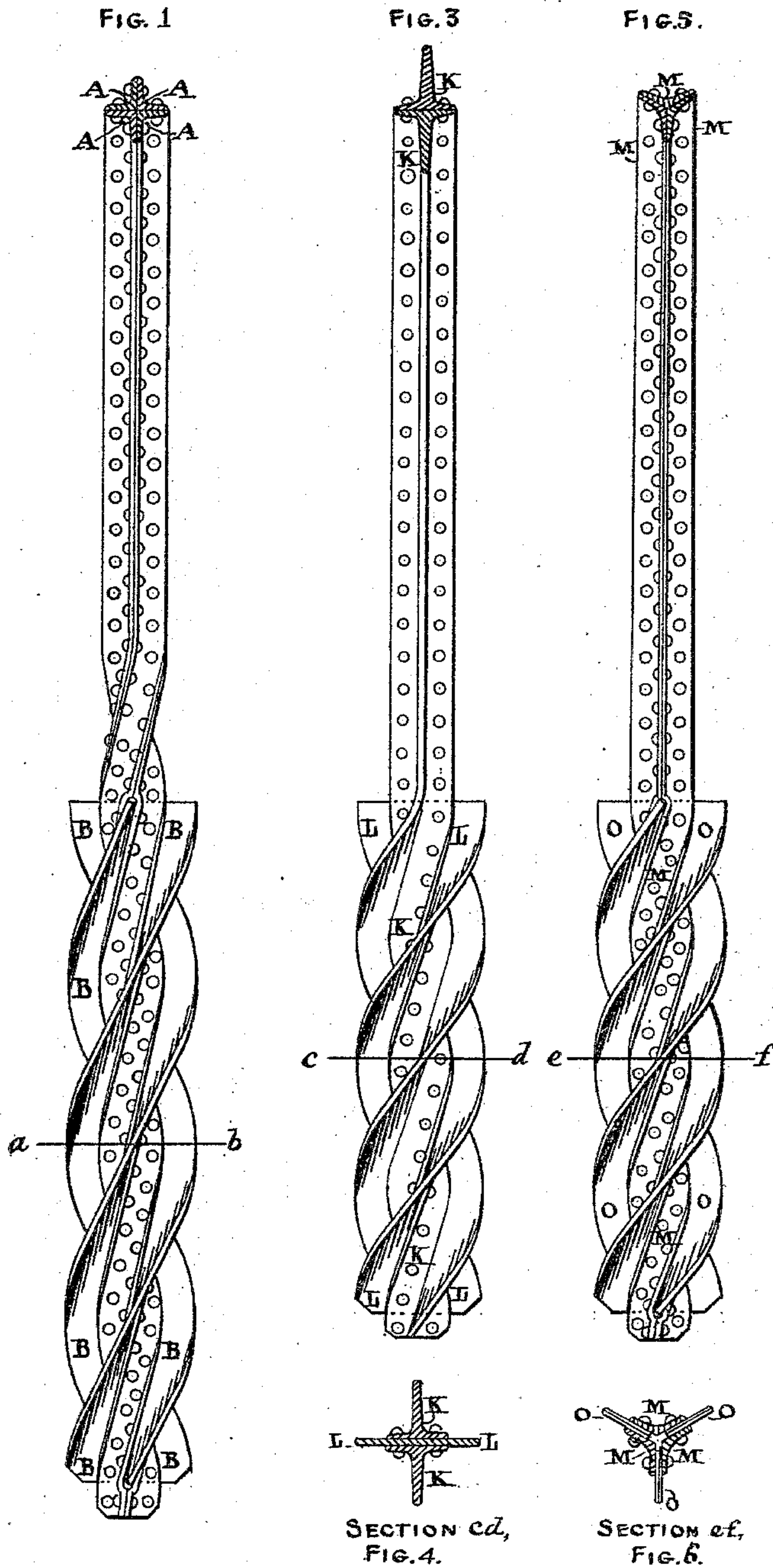
(No Model.)

A. B. BURTON.

FENCE POST.

No. 303,263.

Patented Aug. 12, 1884.



WITNESSES,

Joseph Pullman
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INVENTOR,

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UNITED STATES PATENT OFFICE.

AARON B. BURTON, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE DRIVEN SCREW POST AND PILE COMPANY, OF SAME PLACE.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 303,263, dated August 12, 1884.

Application filed August 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, AARON B. BURTON, of the city, county, and State of New York, have made and invented certain new and useful Improvements in Fence-Posts, of which the following is such a full, clear, and exact description as will enable others skilled in the art to make and use the same, when taken in connection with the accompanying drawings, in which—

Figure 1 is a front view showing cross-section at top of post built up of four pieces of angle-iron riveted together, and having inserted between the angle-irons, near the lower end, extension-webs; Fig. 2, a cross-section of Fig. 1 as at *a b*; Fig. 3, a front view showing cross-section at top of post built up of two pieces of T-iron riveted together, and having inserted between the T-irons, near the lower end, extension-webs; Fig. 4, a cross-section of Fig. 3 at *c d*; Fig. 5, a front view showing cross-section at top of post built up of three pieces of angle-iron riveted together, and having inserted between the angle-irons, near the lower ends, extension-webs. Fig. 6 is a cross-section of Fig. 5 at *e f*.

This my invention relates to posts having screw-flanges at or near the lower ends; and it consists in forming these posts of two or more pieces of angle-iron riveted together so as to form the flanges, and the various combinations hereinafter specified and claimed.

Angle-iron of various forms in cross-section may be twisted so as to form screw-flanges thereon; but it is not necessary to describe them.

The post shown in Figs. 1 and 2 is built of four pieces of right-angle iron riveted together. The pieces of right-angle iron *A A A A* are heated and twisted so that a screw form is given to the portion at or near one end, and the several adjacent pieces are then riveted together so as to form a solid post. In order to increase the bearing-surface without materially adding to the expense or weight of the post, I introduce in that portion of the post

where the screw is a flange or wing, *B B B B*, between each of the adjacent angle-pieces, and rivet through the angle-pieces and wings. These wings may be of greater or less size, according to the nature of the ground they are to be used in and the weight they are to sustain. The wings *B* may be introduced on only two sides, if desired, and will be found to give good results.

The post shown in Figs. 3 and 4 is built up by riveting two pieces of T-iron, *K K*, together by the flanges at the top of the *T*, one end of each piece of the T-iron having been heated and twisted into a screw form. Between the T-pieces may be placed a plate, *L*, of greater width than the top of the iron, and of corresponding screw curve with the T-irons. The T-irons *K K* and plate *L* are riveted together, so that the plate forms wings or flanges.

The post shown in Figs. 5 and 6 is built up by riveting three pieces of obtuse-angle iron, *M M M*, together by rivets through their adjacent webs or flanges, one end of each piece of the angle-iron having been heated and twisted into a screw form. Between each of the adjacent flanges may be inserted a piece of iron, *O O O*, having a screw curve corresponding with that given to the end of the angle-irons *M*, and the riveting is done through the adjacent flanges of the angle-irons and the plates *O O*, and the several parts may be fastened together straight before twisting them, and then be heated and twisted without departing from my invention.

The posts are shown with the additional pieces or wings. These, however, may be omitted, as the flanges of the angle-irons are sufficient for many purposes.

Among the advantages of a post formed as above described are the following: greater lightness for the strength, greater stability, greater bearing-surface for the metal used, and less displacement of soil in entering the ground.

I have described my invention as pertaining to fence-posts. It is equally applicable to piles for docks, foundations, or like uses; and I have

described it as made of iron. The same may be made of copper, steel, or other metal without departing from my invention.

What I claim as new, and desire to secure by
5 Letters Patent, is—

1. The combination, in a post, of two or more angle-irons, one end of each of which is twisted into a screw, fastened together so as to form a solid post with screw-flange, substan-
10 tially as specified.

2. The combination, in a post, of two or more angle-irons, one end of each of which is twisted into a screw, with a screw-plate attached thereto, substantially as specified.

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Witnesses:

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