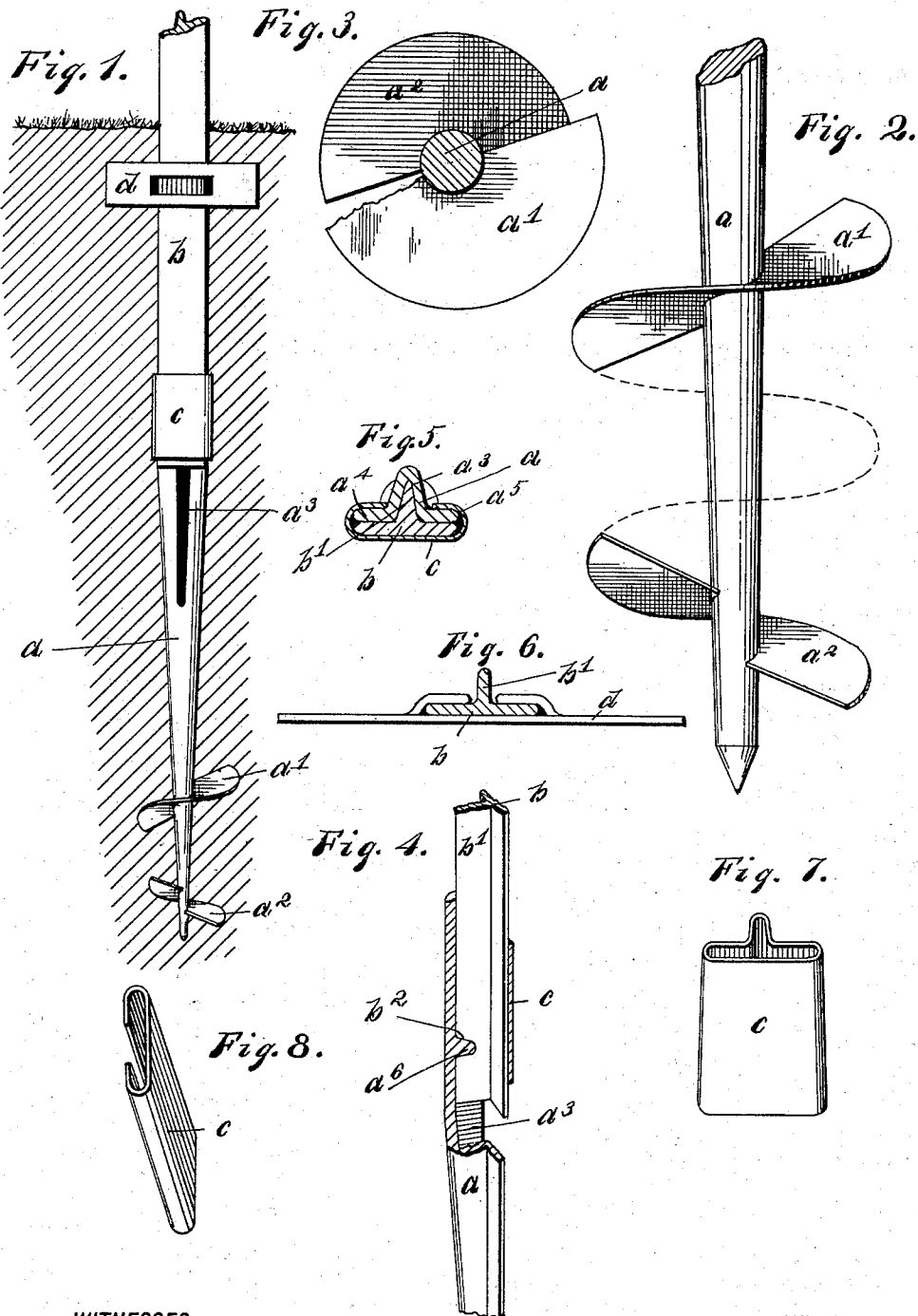


(No Model.)

H. BROWN.
FENCE POST.

No. 505,811.

Patented Oct. 3, 1893.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HARVEY BROWN, OF BRANDT, OHIO.

FENCE-POST.

SPECIFICATION forming part of Letters Patent No. 505,811, dated October 3, 1893.

Application filed July 29, 1892. Serial No. 441,564. (No model.)

To all whom it may concern:

Be it known that I, HARVEY BROWN, a citizen of the United States, residing at Brandt, in the county of Miami and State of Ohio, have invented certain new and useful Improvements in Fence-Posts, of which the following is a specification.

My invention relates to metal fence posts, and particularly relates to that class of fence posts made in parts, adapted to be joined together after one of the parts is inserted into the ground.

The object of my invention is to provide means for readily inserting one of the parts into the ground, the constructions being such as to offer the least resistance in entering the ground and yet be held firmly in place when planted.

A further object of my invention is to provide improved means for joining the parts together.

I attain these objects by the constructions shown in the accompanying drawings, in which—

Figure 1 is an elevation view of a post embodying my invention, shown in place in the ground. Fig. 2 is an enlarged elevation of the bottom portion of the same, showing the arrangement of the screw-flanges for inserting the post to its position. Fig. 3 is a plan view of the same. Fig. 4 is a detail view, partly in section, showing the method of uniting the upper and lower parts of the post. Fig. 5 is a transverse sectional view of the same. Fig. 6 is a transverse sectional view of the upper portion of the post, showing an additional supporting flange. Figs. 7 and 8 are detail views of the clamp used for connecting the respective parts of the post, one of said views showing a slight modification.

Like parts are represented by similar letters of reference in the several views.

It has been common to form metallic fence posts with screw-threads, to cause the post to enter to the proper position in the ground, by revolving the post or the lower portion or section thereof. In practice the devices as heretofore constructed have been defective, in ordinary soil, for the reason that the screw-flanges engaged with and collected stones or other obstructions met with in its passage

into the ground, thus offering a great resistance to the insertion of the post and interfering with its solidity when in place. To overcome these difficulties I construct the lower portion of my improved post with a single screw-shaped flange or thread and cut away a portion of the screw-thread or flange for a distance of one or more threads in the length of the post so as to leave sectional flanges on opposite sides of the post and at a distance removed from each other equal to one or more threads, said flanges being of the same pitch and a continuation one of the other; or, in other words, I construct on opposite sides of the post sectional screw-shaped flanges at a distance removed from each other equal to one or more threads and forming a practical continuation one of the other, so that in inserting the post the respective flanges travel in the same pitch.

In the accompanying drawings, *a*, represents the lower portion of my improved post, adapted to be joined to the upper portion *b*, which is preferably formed of T-iron. The lower portion *a*, is formed with screw-flanges *a'* *a''*, of the same pitch and arranged on opposite sides of the post and at a distance removed from each other equal to one or more threads, so that if extended in the same pitch they would form one continuous thread. The upper portion of the lower section *a*, is formed with a slotted opening *a'''*, and projecting flanges or wings *a''''* *a'''''*. The upper T-shaped portion *b*, is adapted to join the lower portion with its central web or flange *b'*, engaging in the slotted opening *a'''*. The lower section is further provided with a projecting rib *a''''*, within the slotted portion *a'''*, adapted to engage in a notch or opening *b''*, formed in the web or flange *b'*, of the upper portion of the post, the parts being adapted, when in this position, to be securely held together by a clamping flange *c*, which slips over the upper portion *b*, of the post, and engages with the respective flanges *a''''* *a'''''*, of the lower portion of the post, said clamp *c*, being preferably formed slightly tapered so as to wedge the parts together, and thus thoroughly clamp and hold the same.

In Fig. 7 I have shown the clamp *c*, formed of a continuous piece of metal in the nature

of a band, formed to fit over and completely encircle the respective parts at the point of connection.

In Fig. 8 the clamp *c*, is shown of a C-shape in cross section, adapted to engage the side flanges only of the lower post section. On the upper section *b*, I preferably provide a supporting plate *d*, adapted to slip over the upper post section and be driven into the ground, so as to present a greater surface and hold the post against lateral movement.

By the construction and arrangement of the screw-shaped flange sections, as above described, it will be seen that means are provided for readily turning the post to its proper position in the ground, while at the same time stones or other obstructions of a considerable size may be passed between the screw-flanges without engaging therein or choking the entrance into the ground. The respective flanges, being practically continuations of each other and of the same pitch, will enter the ground with the least possible resistance, the other flange following directly in the path of the lower flange, thus preventing the least possible obstruction of the entrance of the post into the ground, and with the least disturbance of the earth or soil into which it enters; the construction also permits the soil to settle firmly against the lower portion of the post, while the arrangement of the screw-shaped flange sections on opposite sides offers a stronger resistance to the removal of the post by any other method than that by which it is placed in position. The means described for joining together the different post sections form a simple and effective method of securing the desired result.

Having thus described my invention, I claim—

1. A fence post the lower portion of which is provided with screw-shaped flanges on opposite sides thereof, which flanges extend only a portion of the way around said post, and which, if continued, would form portions of a single thread, said oppositely arranged flange sections being removed from each other the distance of one or more threads, substantially as specified.

2. A fence post, the lower section of which is provided with a divided thread adapted to form screw-shaped flanges on opposite sides of the post, which, if continued, would form portions of the same thread, said flange sections being each extended on one side of said post only, substantially as specified.

3. A fence post formed in two parts, one of said parts being constructed of T-iron the central web or flange of which is provided with a notch or opening in the side thereof, the other section being formed with projecting flanges to fit over the side wings of said T-iron, and a slotted opening to receive said central web or flange, a rib-shaped projection in said slotted opening to engage the notched web or flange, and a clamp having projecting wings to engage said T-shaped piece and flanges and hold the parts together, substantially as specified.

In testimony whereof I have hereunto set my hand this 26th day of July, A. D. 1892.

HARVEY BROWN.

Witnesses:

G. T. DEAN,

VELMA BROWN.