

W. L. KELLER.
STAPLE ANCHOR.
APPLICATION FILED AUG. 2, 1910.

1,013,398.

Patented Jan. 2, 1912.

Fig. 1.

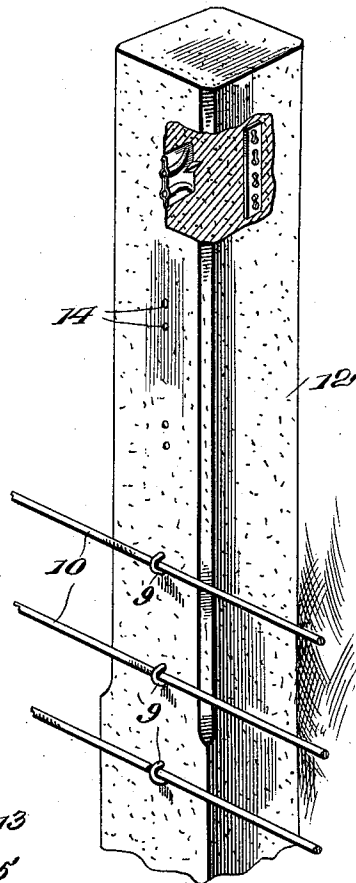


Fig. 2.

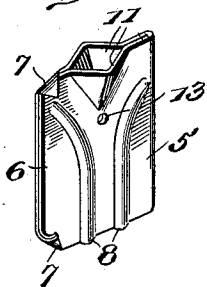
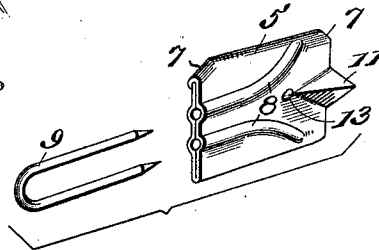


Fig. 3.



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UNITED STATES PATENT OFFICE.

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STAPLE-ANCHOR.

1,013,398.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Original application filed November 3, 1909, Serial No. 526,019. Divided and this application filed August 2, 1910. Serial No. 575,157.

To all whom it may concern:

Be it known that I, WILLIAM L. KELLER, citizen of the United States, residing at Kearney, in the county of Buffalo and State of Nebraska, have invented certain new and useful Improvements in Staple-Anchors, of which the following is a specification.

This invention relates to fence posts and more particularly to a novel form of staple anchoring member especially designed for use in connection with a post mold of the construction shown in my pending application filed in the United States Patent Office on the 3rd day of November 1909, under Serial No. 526,019, and of which the present application forms a division.

The object of the invention is to provide a staple anchoring member adapted to be embedded in the body of a post during the formation of the latter and which shall effectually hold the staples in engagement with the line wires so as to prevent accidental displacement of said line wires.

A further object is to form the staple anchoring member in such a manner that when a staple is positioned over a line wire and driven into a post, the opposite ends of said staple will be bent laterally by the anchoring member, thus to prevent the staple from pulling out.

A further object is to provide a staple anchoring member, the construction of which is such that the same may be stamped, pressed or otherwise formed of scrap iron, tin or other waste material, thus reducing the cost of manufacture to a minimum.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a staple anchoring member constructed in accordance with my invention, showing the same in position on a fence post; Fig. 2 is a perspective view of one of the staple anchoring members, detached; Fig. 3 is a similar view, showing a staple in position to enter one of the staple anchoring members.

Corresponding and like parts are referred

to in the following description and indicated in all the views of the drawings by the same reference characters.

The staple anchoring member forming the subject matter of the present invention is preferably formed from a single strip of scrap iron, tin or other suitable material bent upon itself at 5 to form mating plates 6, the metal constituting the corners of the plates being pressed inwardly into engagement with the exterior face of one of said plates, as indicated at 7 in order to hold the plates in assembled position.

The metal forming the inner walls of the plates 6 is pressed, stamped or otherwise formed with guiding grooves 8, said grooves opening through one end of the staple anchoring member and having their opposite ends deflected laterally and spaced from the other end of said staple anchoring member in order to deflect the adjacent legs of a staple 9 when the latter is positioned over a line wire 10 of a fence post and driven into the staple anchoring member. The metal constituting the plates 6 is pressed outwardly to form oppositely disposed projections 11 defining a substantially triangular cement receiving pocket which serves to assist in anchoring the member in the cement, concrete or other material constituting the body of the post 12.

If desired, a rivet or similar fastening device 13 may be driven through the plates comprising the staple anchoring member in order to assist in retaining said plates in assembled position.

The staple anchoring members are preferably embedded in the material constituting the body of the post during the formation of the latter with the outer ends of said staple anchoring members disposed flush with the exterior face of the post so as to provide spaced recesses 14 at the upper ends of the grooves 8 to permit the insertion of the staples 9.

When the post is erected, the line wires are strung thereon in the usual manner, after which the pointed ends of the staples are inserted in the openings 14 and said staples pressed inwardly which causes the legs thereof to enter the grooves 8, the diverging ends of said grooves serving to deflect the legs of the staples laterally and thus prevent accidental withdrawal of the staples from the post, while at the same

time securely fastening the line wires in position on said post.

While the anchoring member is shown in connection with a fence post, it will of course be understood that said anchoring members may be applied to columns, pillars or any other suitable supporting member without departing from the spirit of the invention.

10 Having thus described the invention, what is claimed as new is:

1. The combination with a concrete body portion, of a staple anchoring member embedded in the body portion and formed of 15 a single piece of metal bent upon itself to produce mating plates, the metal forming said plates being pressed outwardly to form diverging grooves adapted to receive a wire engaging staple, and the metal constituting 20 the plates being pressed laterally between the diverging ends of the guiding grooves to form angular projections defining substantially triangular cement receiving pockets.

2. A staple anchoring member formed of 25 a single piece of metal bent upon itself to form mating plates, the metal at the corners of the plates being bent inwardly and laterally, and the metal constituting the abutting faces of the plates being pressed later- 30 ally to form grooves having their outer ends

opening through one end of the anchoring member and adapted to receive a staple and their inner ends spaced apart and deflected laterally in opposite directions, and a fastening device piercing the plates between 35 the diverging ends of the grooves.

3. A staple anchoring member formed of a single piece of metal bent upon itself to produce mating plates, the longitudinal edges of the plates at the upper and lower 40 corners thereof being pressed laterally and inwardly, there being guiding grooves formed in said plates and having their outer ends opening through one end of said anchoring member and their inner ends 45 spaced apart and deflected laterally on diverging lines, the metal constituting the plates being pressed laterally between the diverging ends of the grooves to form angular projections defining a substantially 50 triangular shaped cement receiving pocket, and a single fastening device piercing both plates at a point between said grooves.

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

WILLIAM L. KELLER. [L. s.]

Witnesses:

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CLARA L. BENNETT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."