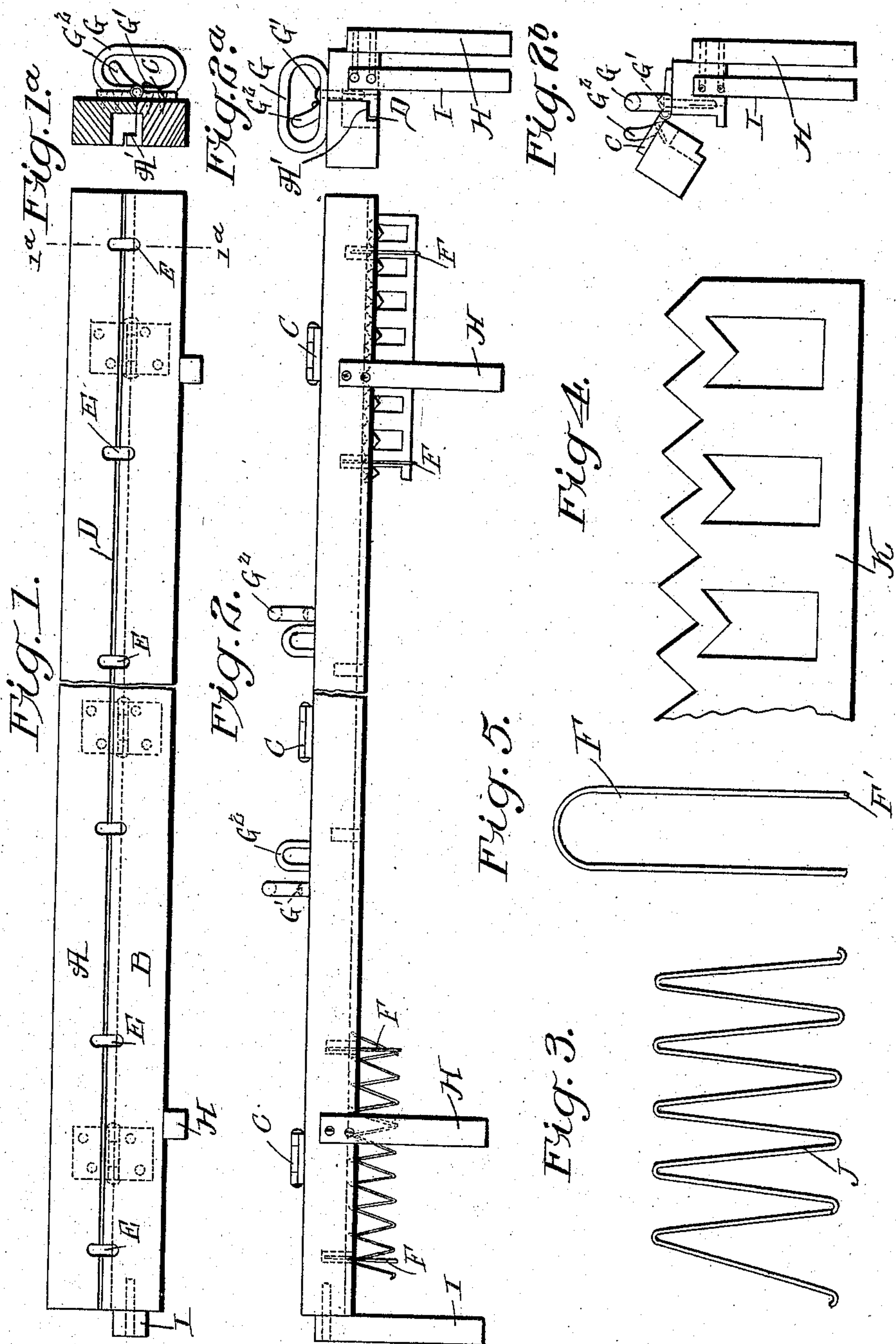


No. 815,787.

PATENTED MAR. 20, 1906.

J. A. BLAKE.
HOLDER FOR STAPLES, &c.
APPLICATION FILED NOV. 16, 1905.



WITNESSES:

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Samuel C. Wade,
Perry B. Turpin.

INVENTOR
JOHN A. BLAKE.
BY *Munn & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN A. BLAKE, OF LAFAYETTE, INDIANA.

HOLDER FOR STAPLES, &c.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN A. BLAKE, a citizen of the United States, residing at Lafayette, in the county of Tippecanoe and State of Indiana, have made certain new and useful Improvements in Holders for Staples, &c., of which the following is a specification.

My invention is an improvement in devices for use in the manufacture of concrete fence-posts, and is in the nature of a holder for staples and for reinforcing spacers in applying said staples and spacers to the soft concrete in a mold; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 is a bottom plan view, and Fig. 2 a side elevation, of a device embodying my invention. Fig. 1^a is a cross-section on about line 1^a 1^a of Fig. 1, and Fig. 2^a is an end view of the holder, and Fig. 2^b is a similar view showing the holder open. Figs. 3 and 4 show different form of spacing devices, and Fig. 5 is a detail view of one of the staples.

In the construction shown the holder is in the nature of a clamp and comprises two longitudinal sections A and B, extending side by side and hinged together at C at their outer sides, so that they may be opened, as shown in Fig. 2^b, or be closed, as shown in Figs. 1, 1^a, and 2^a. At their meeting faces the sections A and B provide a longitudinal groove D, extending throughout the length of the sections A and B, and the section A is shouldered laterally at A' above the groove D to form a stop in inserting the spacers, presently described. I also provide the holder in its under side with the transverse sockets E, in which are fitted staples F, such as shown in Fig. 5 of the drawings, in the use of the invention, as presently described. On the section B, I pivot at G' the handles G, which may be turned across the joint between the sections A and B, as shown in Fig. 2^a, to hold the sections in the position shown in said figure, or may be turned into alinement with the section B when it is desired to open the clamping-holder, as shown in Fig. 2^b of the drawings. I also provide adjacent to the handles G and upon the section A handholds G², which may be utilized in opening the sections A and B when the handle G is turned to the position shown in Fig. 2^b of the drawings. The section B is provided with depending

side and end bars H and I, which form gages to guide the holder in applying the same to a mold-box.

In operation the spacers, which may be wire, as shown at J in Fig. 3, or may be toothed plates, as shown at K in Fig. 4, may have their toothed edges placed in the groove D, and the staples may have their points F' placed in the slots or sockets E, and the sections A and B be clamped together to hold the spacers and staples by turning the handles G to the positions shown in Figs. 1^a and 2^a. The device may now be taken by the handles and placed over any mold used in the construction of concrete posts which has been previously filled with soft concrete and the spacers and staples pressed down firmly until all portions thereof except those held by the clamping-holder will be submerged. Now by releasing the handles by turning them to the position shown in Fig. 2^b the clamping-holder may be opened to release the staples and spacers and lifted from the mold, so they will be retained in the concrete post when the latter hardens. The projecting portions of the spacers serve as guides for spacing any kind of wire fencing, and the points of the staples projecting from the post may be twisted together around the piece of wire placed lengthwise of the post, which will firmly hold the wire fencing in place on the post. By the invention it will be noticed I provide a holder having a seat within which to retain and protect a portion of the articles to be placed in the mold and which may be released to release said articles after the latter have been placed in the soft material of the mold. The construction is simple, easily operated, and will be found efficient for the purpose for which it is designed.

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

1. A clamping-holder substantially as herein described comprising two longitudinal sections hinged together and provided along their meeting faces with a groove forming a seat for one edge of the spacing device and also provided in said meeting edges with sockets for a staple, handles pivoted to one of the sections and arranged to be turned across the joint between the sections to lock the latter in closed position, and side and end bars forming gages for use in applying the holder to a mold-box, one of the sections being

provided above the groove with a shoulder forming a seat for the spacing device, substantially as set forth.

2. A holder for use substantially as described, comprising longitudinal sections jointed together and provided along their meeting edges with a groove forming a seat for a spacing device, and also with sockets for staples, substantially as set forth.

3. A holder comprising longitudinal sections hinged together at one edge and provided along their meeting faces at their opposite edges with a seat for a spacing device, and having above said seat a shoulder for limiting the insertion of said spacing device in the holder, substantially as set forth.

4. A holder comprising longitudinal sections hinged together at one edge and provided along their meeting edges at their opposite face with a groove forming a seat for a spacing device and also provided across said groove with sockets for staples, substantially as set forth.

5. The combination in a holder substantially as described, of the longitudinal sec-

tions adapted to clamp devices between them at one edge and hinged together at their other edges and provided with handles pivoted to one of the sections and arranged to be turned across the joint between the same to lock the same in closed position, substantially as set forth.

6. A holder comprising longitudinal sections hinged together and adapted to be opened to receive devices between them and to be closed to clamp said devices, and provided with depending bars forming gages for use in applying the holder to a mold-box, substantially as set forth.

7. A holder consisting of two sections hinged together and provided along their meeting edges in one face with seats for a spacing device and for staples, and means for holding the sections in position to clamp said staples and spacing device, substantially as set forth.

JOHN A. BLAKE.

Witnesses:

CHAS. T. STALLARD,
CHAS. B. JAMISON.