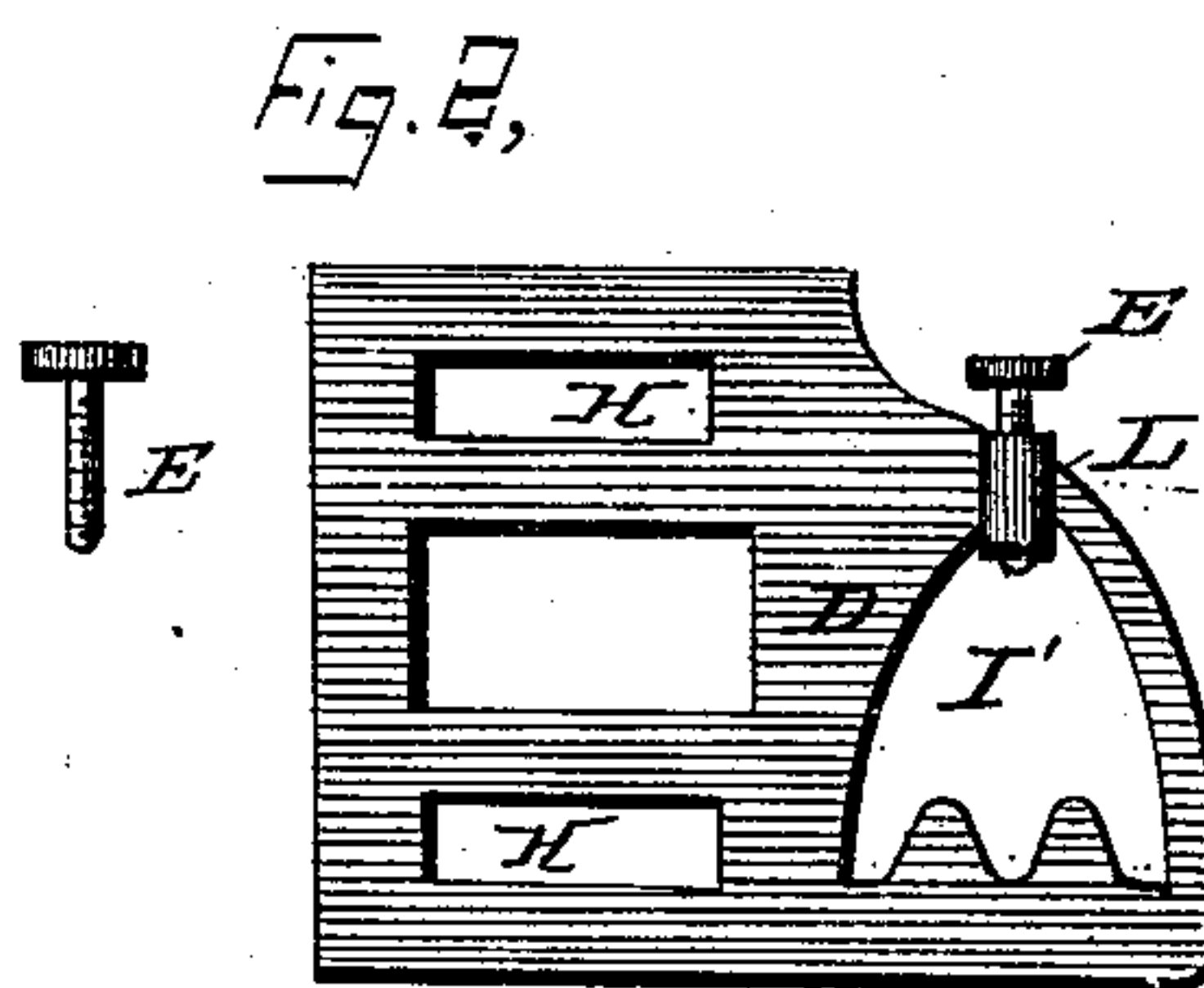
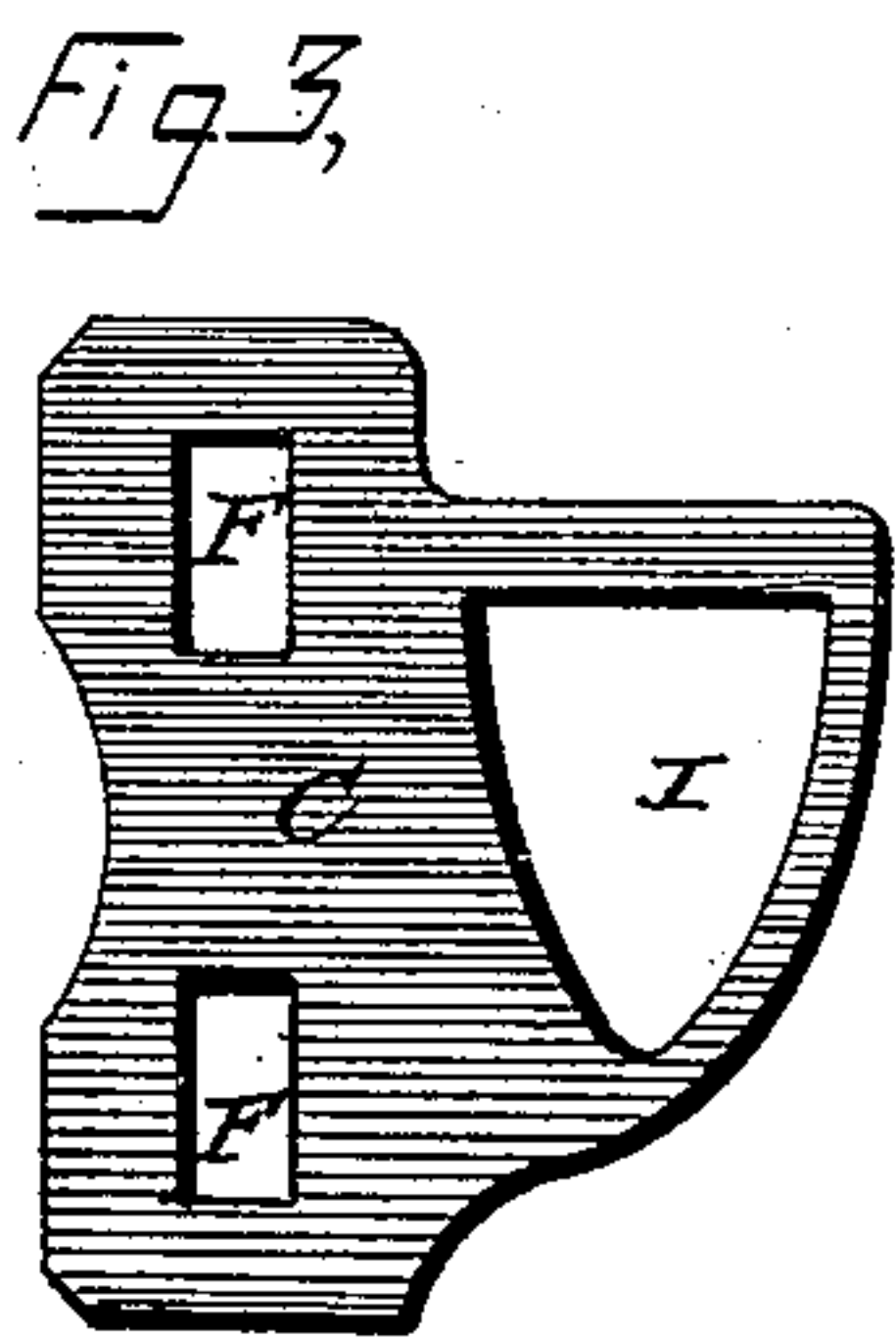
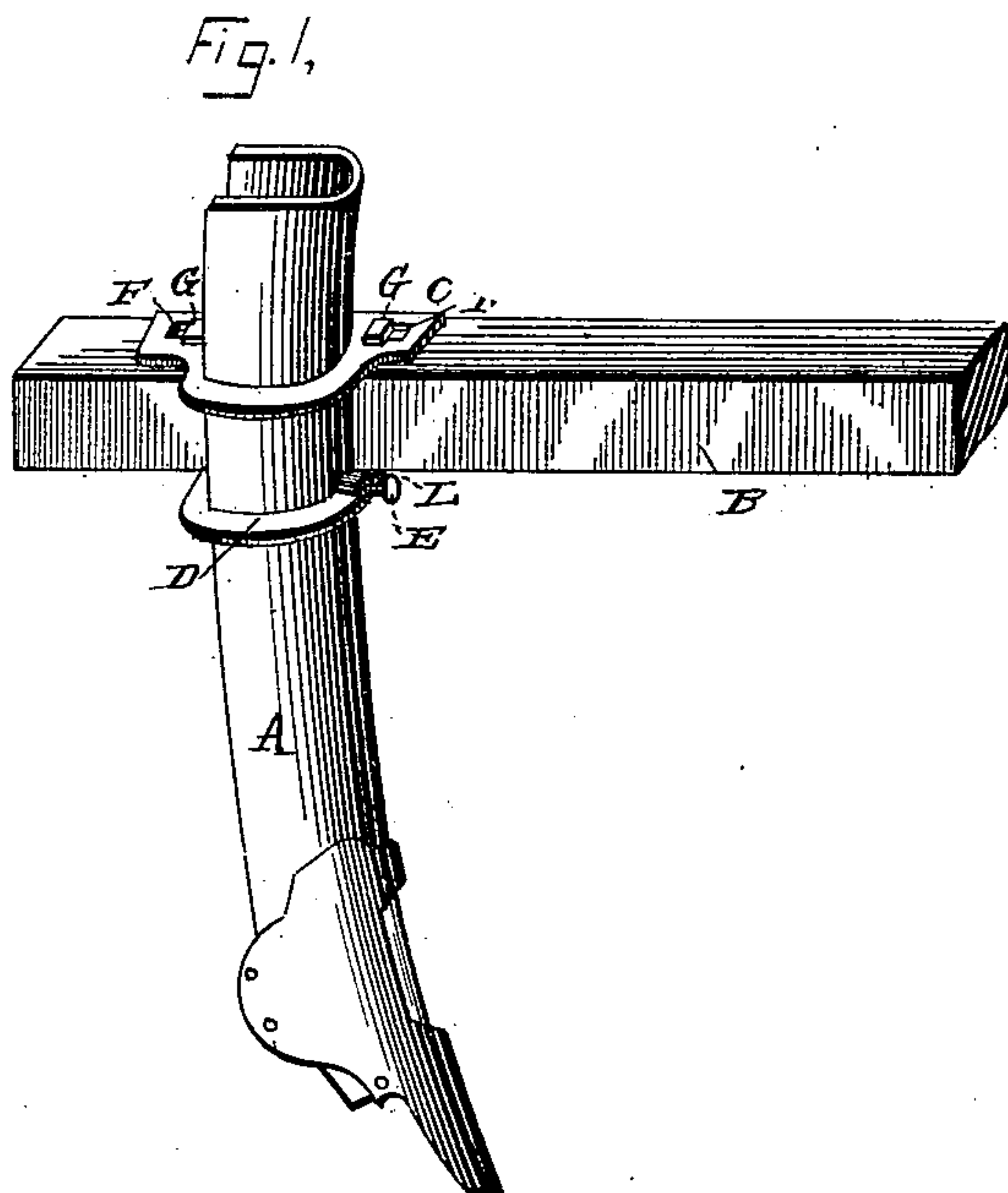


(No Model.)

H. C. STAHL.
STANDARD CLAMP.

No. 270,855.

Patented Jan. 16, 1883.



WITNESSES:

Ad. L. Dietrich
J. G. Hinkel

Harlow Stahl,
INVENTOR.
by Louis Bagger & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

HARLOW C. STAHL, OF FREMONT, OHIO, ASSIGNOR TO THE FREMONT CULTIVATOR COMPANY, OF SAME PLACE.

STANDARD-CLAMP.

SPECIFICATION forming part of Letters Patent No. 270,855, dated January 16, 1883.

Application filed September 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, HARLOW C. STAHL, of Fremont, in the county of Sandusky and State of Ohio, have invented certain new and useful
5 Improvements in Cultivator-Standard Clamps; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the
10 same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a view of the device complete and attached to a plow-beam. Fig. 2 is a view
15 of the plate attached to the under side of the beam, with the set or binding screw for holding the standard; and Fig. 3 is a view of the upper plate.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to fastening devices or clamps for securing a standard or cultivator-tooth to a plow-beam or drag-bar; and it consists in an improvement upon the cultivator-standard clamp for which Letters Patent of
25 the United States No. 252,536 were granted to me on the 17th day of January, 1882. The coupling or fastening device described in the said Letters Patent is composed of two plates
30 of substantially the same shape as the plates C and D, (shown in the accompanying drawings,) which are made, by preference, of malleable cast-iron, but which may, if desired, be cut or stamped from metal plates. In the upper plate, C, is, as in the present case, made
35 an opening, I, of such a size and shape as to exactly fit the standard or tooth A, and also two longitudinal slots, F F, to receive the bolts G G, which clamp it to the beam B. The under plate, D, has also an aperture, I', to fit the
40 standard or tooth A, and has two lateral or cross slots, H H, to receive the fastening-bolts G G. This part of plates C and D does not differ from that shown in my Patent No. 252,536,
45 and is for the same purpose—viz., to provide for the standard, by simple and convenient

means, a vertical adjustment, a forward and back adjustment of the pitch, and also the lateral inclination of the standard; but in Patent No. 252,536 the upper plate, C, is provided with a lug which receives a set-screw
50 adapted to bind against the back part of the tooth or standard A, whereas by my present improvement the top plate is left plain or smooth; but the under plate has a lug, L, at
55 its front side, through which is inserted a binding-screw or set-screw, E, which bears against the front side of the tooth. Several important advantages result from this change in construction of plates C and D and from the changed
60 location of the set-screw. Where hollow metal standards are used formed of steel plate bent into proper shape (a construction shown in the drawings, which we prefer to use on account
65 of its lightness, combined with great strength and stiffness) a much shorter screw may be used. The screw being shorter will take a firmer hold, and is not so liable to bend or break. The vertical adjustment of the standard is effected with greater ease, and the point of bearing
70 of the screw on the standard will be nearer the shovels and nearer the point of resistance.

Having thus described my improvement, I claim and desire to secure by Letters Patent of the United States—

The cultivator-standard clamp or coupling
75 composed of the sliding plate C, encircling the standard A, and provided with the longitudinal slots F F, the plate D, having cross-slots H H, and provided with the lug L and binding-screw E, bolts G G, and beam or drag-bar B, constructed and combined substantially as
80 and for the purpose herein shown and described.

In testimony that I claim the foregoing as
85 my own I have hereunto affixed my signature in presence of two witnesses.

HARLOW C. STAHL.

Witnesses:

HENRY HERMSINGER,
JOSEPH STRINLY.