

(No Model.)

C. B. BRAINARD.

STAPLE.

No. 300,204.

Patented June 10, 1884.

Fig. 1.

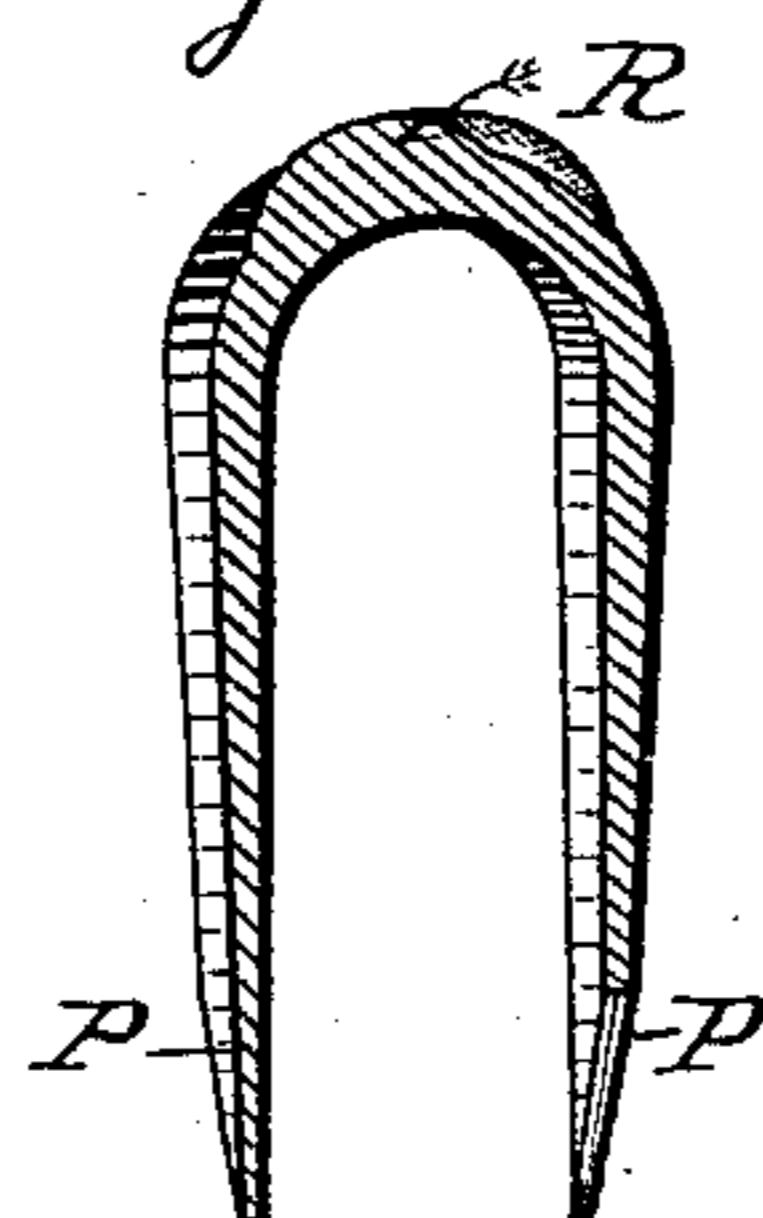


Fig. 2.

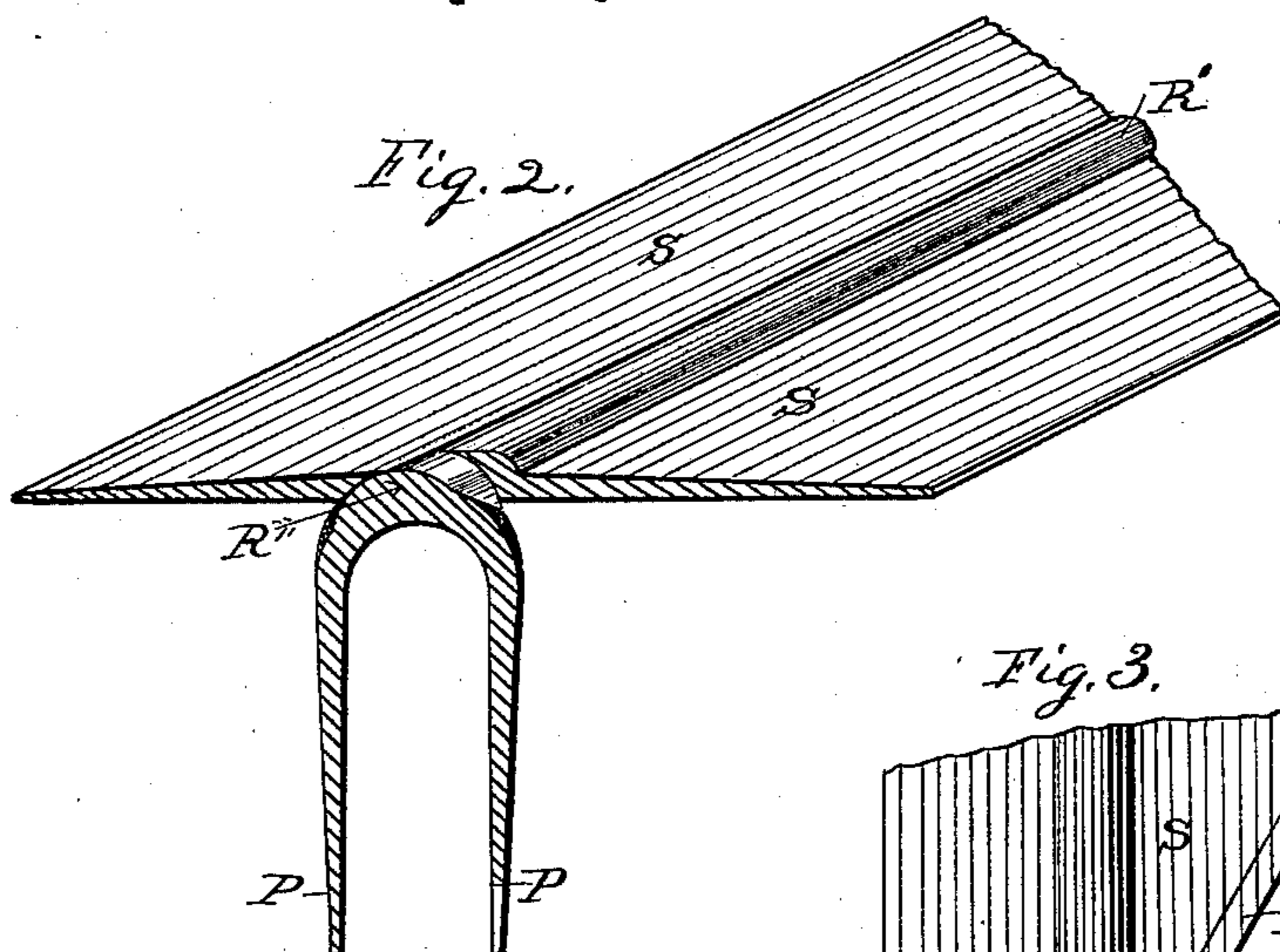
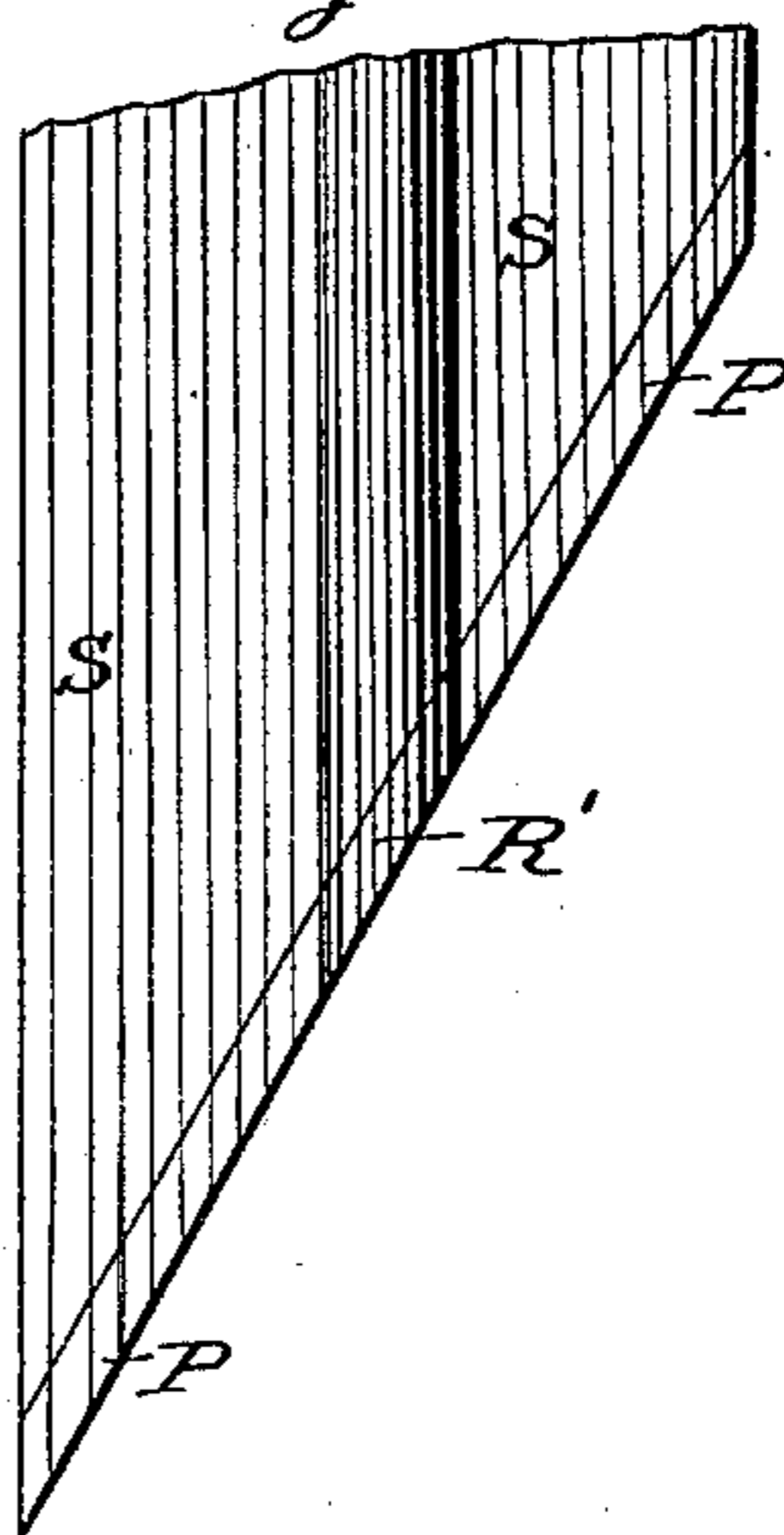


Fig. 4.



Fig. 3.



Witnesses.

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STAPLE.

SPECIFICATION forming part of Letters Patent No. 300,204, dated June 10, 1884.

Application filed February 15, 1884. (No model.)

To all whom it may concern:

Be it known that I, CURTIS B. BRAINARD, a citizen of the United States of America, residing at Joliet, in the county of Will and State of Illinois, have invented certain new and useful Improvements in Staples, of which the following is a specification, reference being had therein to the accompanying drawings.

Figures 1 and 2 are perspective views; Fig. 3, a plan view of a section of a strip of metal from which the staple is cut, and Fig. 4 a cross-sectional view of said strip.

This invention relates to certain improvements in staples used for fencing purposes or other purposes, and relates particularly to the means for re-enforcing or strengthening the head of the staple at the place where the blow is struck in driving it by leaving additional metal on the head thicker in the center than at either end, diamond-shaped in form, and having said re-enforcing metal extend downward on the sides and run out in a point.

Referring to the drawings, Fig. 1 shows a perspective view of the staple, P P being its prods or legs, and R the additional re-enforcing part of the head. The staple is formed by shearing it off diagonally from the end of a metal strip rolled in form as shown in cross-section in Fig. 4. Fig. 3 shows the angle at which the staple is so sheared or cut off, and Fig. 2 shows how or in what manner it is so sheared off, the legs or prods being cut off first and bent downward in the proper form, and the head cut loose last, which is done by

properly-shaped punches and dies. In order to furnish the staple with the additional diamond-shaped re-enforcing head R, the strip S is rolled so as to leave the central rib, R', elevated above the contour of the strip, as shown in cross-section in Fig. 4. This rib when cut across diagonally, as shown in Fig. 3, will leave a diamond-shaped elevation or head immediately on the head of the staple, as shown in Figs. 1 and 2. This additional head R receives the blow when the staple is driven, and, being integral with it, renders it strong and not liable to break at that point. By severing the staple from the strip in a diagonal manner the points are formed on the ends of the prods or legs, but beveled in opposite directions, so that when the staple is driven the legs will spread, and thus lock the staple in the wood.

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

The staple described, having its head re-enforced and strengthened by means of the integral additional metal R, formed of a portion of the rib R' of the strip S by means of shearing the staple from the diagonal end of said strip, and having its points beveled in opposite directions, as and for the purpose set forth.

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Witnesses:

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JOSEPH L. HEMP.