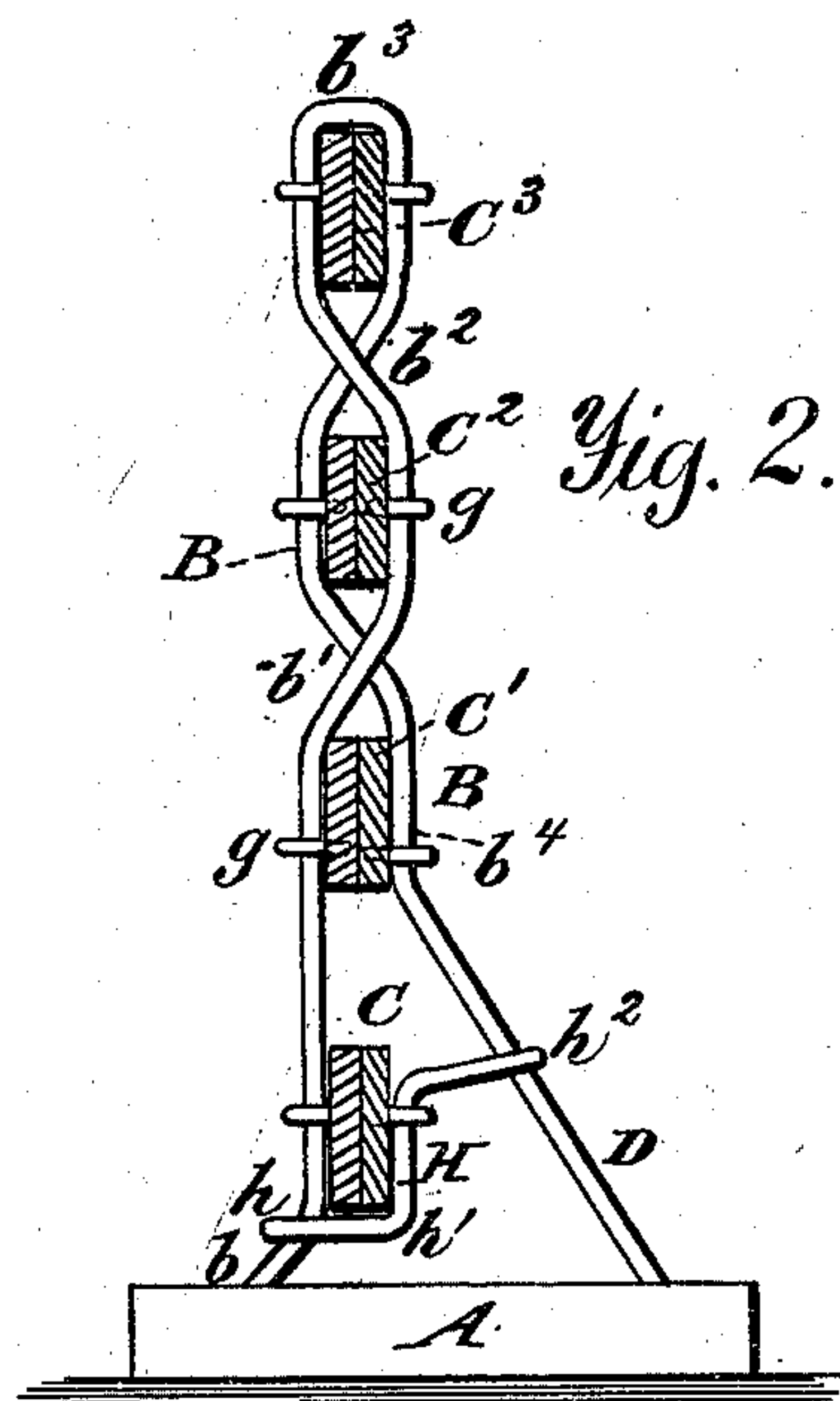
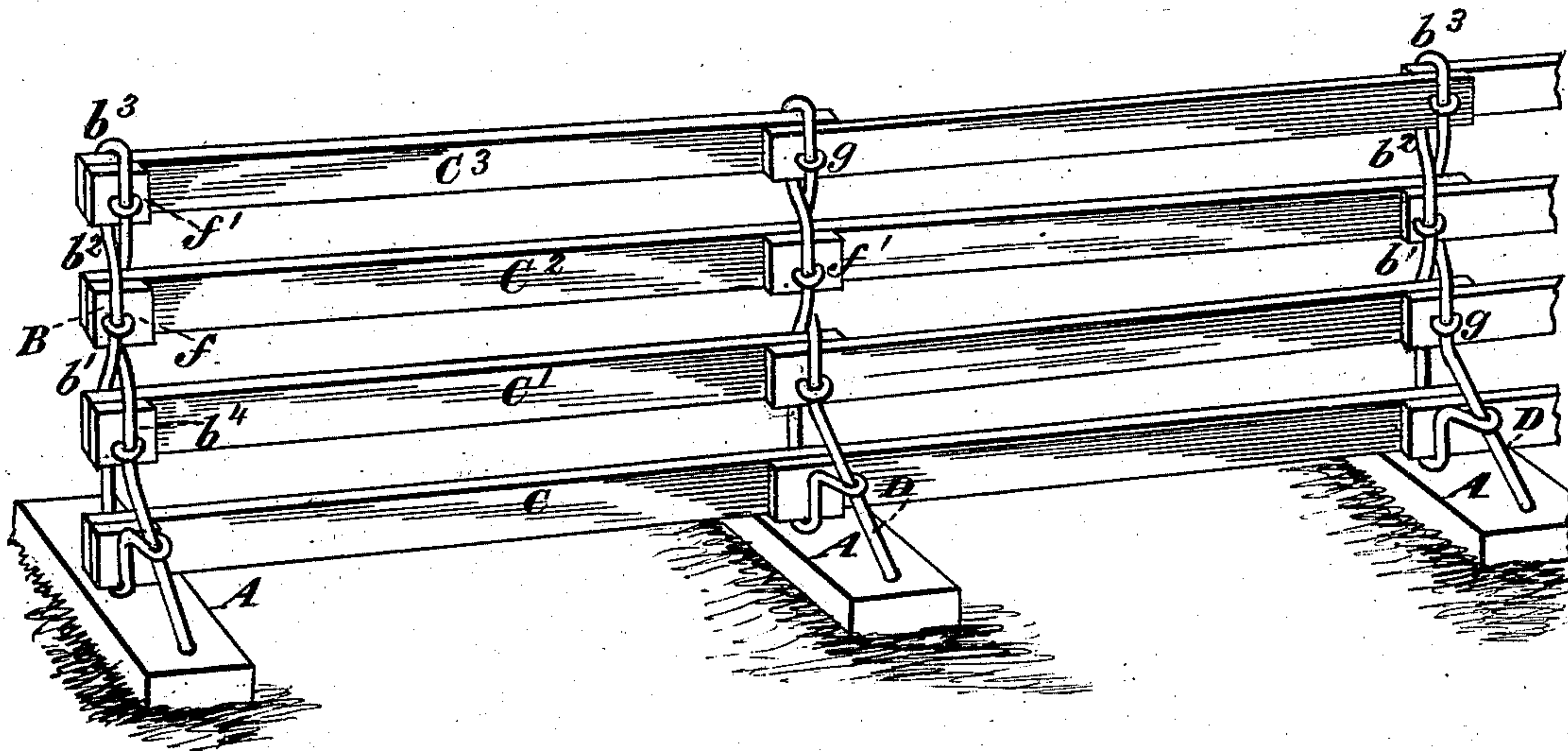


H. HILL.
Fence.

No. 229,315.

Patented June 29, 1880.

Fig. 1.



Witnesses.
A. Ruppert,
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UNITED STATES PATENT OFFICE.

HENRY HILL, OF CHESTER CROSS ROADS, OHIO.

FENCE.

SPECIFICATION forming part of Letters Patent No. 229,315, dated June 29, 1880.

Application filed January 27, 1880.

To all whom it may concern:

Be it known that I, HENRY HILL, of Chester Cross Roads, in the county of Geauga and State of Ohio, have invented certain new and useful
5 Improvements in Fences; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference
10 being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of rail fences in which a base-block is employed and
15 the rails are held in position by metal ties, as will be more fully hereinafter set forth, and specifically pointed out in the claim.

In what I consider the best manner of carrying out the invention I employ three base-
20 blocks to each section of fence or each part of the fence marked by the longest rails, and secure thereto one end of a metal rod slightly longer than twice the height of the fence. I then place a long rail with its transverse
25 plane arranged vertically against the rod, which is perpendicular as far up as the top of the second rail. This rod then is bent so as to pass under, upward, and over the third rail, under and upward and over the fourth or top
30 rail. The ends of the rails lap each other at the joints and make the thickness of two rails. Wherever a long rail is used and no short rail laps it, or at the end of the fence, a block of corresponding thickness is used, as shown.
35 The rod passes downward in opposite curves to those described until it reaches the second rail, from whence it is bent outward in an oblique direction, and is secured to the base-block, so as to form a brace. Staples which
40 embrace the rod are driven into the rails or blocks of all the joints except those of the lower rail, at which places ties embraced by the inner staple of the lower rail or rails, and in turn embracing the main rod upon each
45 side of the fence to form a seat for said lower rail or rails, are employed.

In the accompanying drawings, which form a part of this specification, Figure 1 is a perspective view of my improved fence, and Fig. 2 a vertical section.

Referring to the drawings, A represents the base-block, to which is secured one end, *b*, of a metal rod, B. This rod ascends vertically to the top of the second rail, C', at which point it is bent, as at *b'*, so as to pass under the third
55 rail, C², thence upward and back, as shown at *b*², to pass under the fourth rail, C³, thence upward, over, (see *b*³,) and downward, with opposite or reverse bends, as shown in the figures, until it reaches the point *b*⁴ on the rail
60 C', from whence it obliquely outward to form a brace, D, and is secured to the base-block A.

In the construction shown, C² and C represent long rails arranged alternately, as shown, and the space where overlapping ends are absent is filled by filling-blocks *f*. The rails are
65 secured to the rod B by staples *g*.

H represents a tie, which embraces the rod at *h*, passes under the lower rail, and forms a seat, *h'*, therefor, and embraces the stay D at
70 *h*², as shown.

The rod B may be bent at or near each of its ends, as shown in Fig. 2, if desired.

In practice the posts or metal rods are set in the base-plates, and then planted, at regular
75 distances apart, in the ground, when the rails are inserted therein in the usual manner.

I claim as my invention—

The combination of the base-block A and rod B D, bent as shown, and secured thereto, with
80 the staples *g* and tie H *h h'* *h*², as and for the purposes specified.

In testimony that I claim the foregoing I have hereunto set my hand this 14th day of January, 1880.

HENRY HILL.

Witnesses:

J. E. SMITH,
W. P. BETTS.