

(No Model.)

H. K. JONES.

NAIL.

No. 318,566.

Patented May 26, 1885.

Fig. 1.



Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

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SPECIFICATION forming part of Letters Patent No. 318,566, dated May 26, 1885.

Application filed February 25, 1885. (No specimens.)

To all whom it may concern:

Be it known that I, HORACE K. JONES, a citizen of the United States, residing at the city and county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Nails, which improvements are fully set forth and described in the following specification, reference being had to the accompanying drawings, which show, at—

10 Figure 1, a finished nail of my new construction, and at Fig. 2 a section of the barbed wire from which said nail is made.

My object in this invention is to produce drive-nails, preferably from wire previously
15 prepared, which are so barbed that they may be easily driven home, but which cannot be withdrawn without forcibly tearing or splitting the wood in which they are embedded. I accomplish the desired result by making the
20 body of said nail in the form of a series of barbs concentric with and reaching entirely around said nail, said barbs being an integral part of the line of wire from which the nail is made. In other words, the body of said nail
25 is formed as a series of cones or frustums of cones, each of which is joined at its base to the apex of the next of the series. The side of said barb or cone which first enters the wood (that is to say, the side toward the point) is
30 of a gradual bevel or taper, so that it enters as a wedge; but the side toward the head is at right angles, or approximately at right an-

gles, to the longitudinal center of the wire. It will be readily seen that these barbs act as ratchet-teeth as the nail is driven home, and
35 that said nail cannot be removed without great force; also, that, owing to its unusual holding-power, fewer nails need be used than with the ordinary cut or wrought nails now in common use. The wire from which said
40 barbed nails are made (see Fig. 2) is prepared in continuous rods or strips, as described in a separate application for Letters Patent of equal date with this. The ready-prepared
45 barbed wire is then cut into proper lengths for the nails to be made, and said blanks are then headed and pointed by any of the methods now in practical use.

Having thus described my invention, I claim as new and wish to secure by Letters Patent— 50

As a new article of manufacture, a suitably headed and pointed drive-nail whose body portion is formed with a series of concentric barbs or cones, the end of said barbs or cones which confronts the head of the nail being ap-
55 proximately at right angles to the longitudinal center of said body, forming ratchet-teeth, substantially as described, and for the purpose specified.

HORACE K. JONES.

Witnesses:

EDDY N. SMITH,
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