

No. 831,303.

PATENTED SEPT. 18, 1906.

J. L. SCOTT.

NAIL.

APPLICATION FILED JULY 15, 1905.

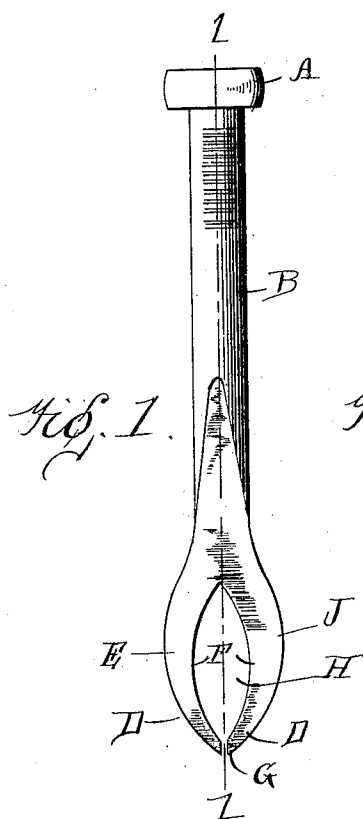


Fig. 1.

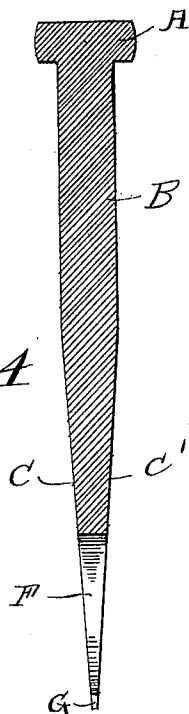


Fig. 4.

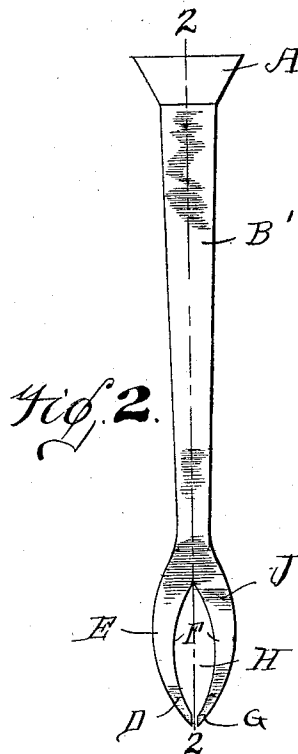


Fig. 2.

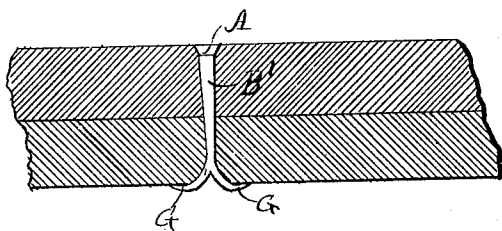
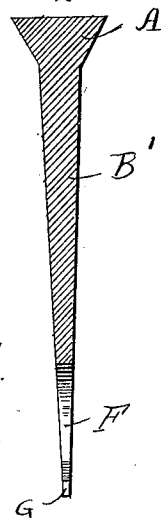


Fig. 3.

Fig. 5.



Witnesses
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No. 831,303.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES LUTHER SCOTT, a citizen of the United States, residing at Lair, in the county of Harrison and State of Kentucky, have invented certain new and useful Improvements in Nails, of which the following is a specification, reference being had therein to the accompanying drawings.

My present invention relates to improvements in nails, and the main object is the provision of a new and novel construction of nail; the entering-point of which is split and the members thereof bulged between their terminals and the point at which they join the body of the nail. By this means when the nail is driven the terminals enter the wood so that they clench, and should the nail pass all the way through the wood it can be readily clenched in opposite directions; but if it should not the terminals spread apart and engage the wood, so that the nail is securely held in place and not readily withdrawn or work loose, which is generally the case with nails as now constructed.

To attain these objects, my invention consists of novel features of construction and combination of parts, substantially as shown herein.

In the accompanying drawings, illustrative of my invention, Figure 1 is a side elevation of the wire nail made according to and embodying my invention. Fig. 2 is a similar view of a rectangular nail embodying my invention. Fig. 3 is a sectional view through two pieces of wood, showing the position the nail assumes when holding the two pieces of wood together. Fig. 4 is a cross-section taken on line 1 1 of Fig. 1. Fig. 5 is a cross-section taken on line 2 2 of Fig. 2.

Referring to the drawings, A designates the head of the nail, which in Fig. 1 is provided with the cylindrical body portion B, while in Fig. 2 with the rectangular body portion B'. Each one of the body portions terminates with the slightly-inclined flat portions C and C', respectively, the terminal of the nail being formed with the two prongs, tangs, or points D, each one of which is provided with the outwardly-curved portion E

and the inwardly-curved portion F, terminating in the entering-point G. In side elevation when the nail is formed the two prongs, tangs, or points provide an elliptical slot or opening H between the inner faces thereof, while their exterior surfaces produce the bulged portion J, it being mainly my invention to provide a nail having two prongs, tangs, or points the outer faces of which bulge and are out of line with the body of the nail and the line at which the points, prongs, or tangs enter the wood.

The bulge of the nail should be quite long relatively to the length of the nail and not so broad as is shown in the drawings to obtain the best results. I have found by experience that the points should be made longer and close together, so that when driven in the wood at the start the wood will hold the points together until they either separate or go straight through the wood. It has been my intention to produce the bulge to prevent the points from spreading too soon, so that they would clench just before passing through the wood, or if they did pass through the wood the points could be clenched upon the exterior, thus giving an equal strain on each side of the opening.

From the foregoing description it is evident that I provide a new and novel construction of nail which is simple in construction and will be immovably held in the wood after once driven therein, being especially desirable for all classes of work where nails are used and also in making hoops and the like, as the nail does not split the wood and provides a clench upon the exterior surface.

What I claim as new, and desire to secure by Letters Patent, is—

A nail provided with two prongs, so formed that their points lie close together, while their bodies are spaced and bulge outwardly in opposite directions, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES LUTHER SCOTT.

Witnesses:

STANLEY TALBOTT,
A. GOLDREY.