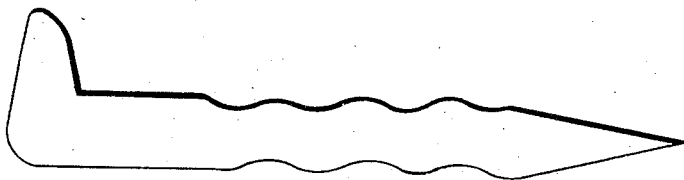
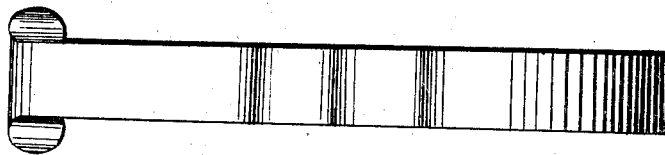
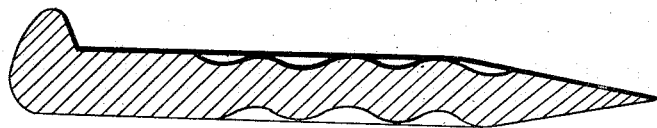


D.R. Pratt.

Spike.

N^o 51,265.

Patented Nov. 28, 1865.



Witnesses:

*W. C. Smith
J. A. Harris*

Inventor:

Daniel R. Pratt

UNITED STATES PATENT OFFICE.

DANIEL R. PRATT, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO
J. MARCUS RICE, OF SAME PLACE.

IMPROVED SPIKE.

Specification forming part of Letters Patent No. 51,265, dated November 28, 1865.

To all whom it may concern:

Be it known that I, DANIEL R. PRATT, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and Improved Spike and Nail for Fastening Wood and Metals Together for Railroads and other Purposes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying models and drawings, and to the letters of reference marked thereon.

The nature of my invention consists in corrugating the surfaces of the spikes or nails in such a manner as not to interfere with their being driven into the wood in the usual way nor prevent their being drawn without too much difficulty, as the surfaces are elliptic in both directions, from head to point and from point to head, of easy wave-shaped corrugations, and in such a manner as not to infringe upon the thickness and strength of the body of the nail or spike.

The advantages of this useful invention are, first, to prevent their being jarred out of their places when the timber is exposed to high atmospheric heat, as in the hot sun on a tie in the bed of a railway in midsummer, the sun causing the timber to shrink away from the spike or nail and the jarring motion of the train passing over the track will cause the spikes to rise out of their places when the surfaces are smooth, as in the old forms of spikes and nails, or as in bridges exposed to different temperatures and in buildings, when the heat of the sun will often shrink the timber so much that the nails will fall out themselves.

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

The above-described corrugated spike, as an article of manufacture.

DANIEL R. PRATT

Witnesses:

JOHNS HOLLINGSHEAD,
CHAS. SIKKEN.