(12) **United States Patent**
Couch et al.

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(54) **NAILS,CUTTING,ROLLING &PLATING/NAIL MAC**

(76) Inventors: **Stephen Couch; Asa Towne**

Stephen Couch and Asa Towne
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The Schedule referred to in these Letters Patent making part of the same containing a description in the words of the said Stephen Couch & Asa Towne they, the said Stephen Couch & Asa Towne, have invented a new rolling & plating iron & cutting Nails. —

The dimensions of the following may be varied. The frame for the rollers to be made of cast iron, the rollers to be from 14 to 18 inches in length between the frame & from 18 to 24 inches in circumference to be made with iron & steel to be turned true & round & even with a screw in them so as to raise & lower the nails or bottom edges by it passing to the Cutter, which ought to be varied for nails & boards of large sizes. The water wheel for cutting to be from 4 to 6 feet in diameter as the load & fall of the water may require. The shaft to be from 2 feet to 3 feet in diameter, as the sizes of nails & boards may require. In length & from 10 to 20 feet in length or to have cranked Gudgeons at each ends. The shaft to be properly round with the necessary bands on the shaft as the sizes of nails & each band to be turned on the shaft, each band to have a dove put in with a dovetail & shaped from 6 to 12 inches between according to the sizes of the nails & to act so as to load & print every other nail opposite ways.

There have a Frame with 4 iron & steel Plates to each rollers to act as far in length as the shaft as the quantity of boards put on for different sizes of nails & boards. — The plates are to be to the Cutter by vibration of the same within as before the vibration is caused by water or a weight. —

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