The Schedule refers to an invention patented, and making part of the same, containing a description in the words of the said Jacob Perkins himself of an improvement in the mode of manufacturing nails etc. A short and general description of Jacob Perkins's invention. The inventors and discoverers, modes of making nails by which said improvement may be made by means of an Oldham or revolutionary cutting Engine, and a New or Heading Engine. The principle of the cutting Engine is that of a revolutionary motion, i.e., a roller with a central post in it in the circumference of the roller, and the die in the plate, directly above which is an elliptical slot. A sufficient force is given to the one to pass the roller being turned in a slow shape; the elliptically true acts almost guide to the shaping plate, and brings it in that direction with each die on the roller, so as to cut up the whole strip of metal without any manual assistance, after it is once put in the aperture of the shaping plate. The heading Engine is worked by the revolution of a turret wheel, having three slotted each of which lifts up a hammer, which gives three strokes each revolution of the wheel; on the wheel is fixed in a vice directly under the hammer, the three strokes forming the head of the nail, there is also affixed to the turret wheel, a piece of metal from which the head is formed. A solid metal plate of the same size as the head, is placed and sufficiently firm for the purpose of heading. When the metal piece comes to operate on the vice, to a spring pulls open the vice opening, and the tappet, and the turret again reaching the vice of the vice; another piece is put in the vice, and dropping down immediately on the jaws of the vice opening. It is to be known that cutting engines may work as well by water 250 revolutions in a minute each revolution produces 1000 nails. By the operation of one man or more of them, it is possible for the boy to count them, a more particular description of these engines is given in the specification, accompanied with drawings and written references being printed. And I the said Jacob Perkins do now certify that the Schedule contains a short and general description of my invention as specified in the particular we presented to the Secretary of State, praying that this patent may issue for the same according to law.

Jacob Perkins

Witnesses

Sam. Gravel

New N. Sheemaker

Photographic copy made from the original March 3, 1911.