(12) **United States Patent**
Hill

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(54) **BOOT & SHOE SOLES, CUTTING**

(76) Inventor: **Jonathan Hill**

Jonathan Hill of Billerica Massachusetts

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Jonathan Hill himself of his improvement in the Instrument for cutting Heel and Sole Rolls

Be it known to all to whom these presents shall come that Jonathan Hill of Billerica in the County of Middlesex and State of Massachusetts has invented a new and useful instrument for cutting soles for Boots & Shoes and that the following is a true and full description of said Instrument as invented by me. A hoop about eight inches in diameter is made of steel plate about two inches wide, which being made sharp at one end forms an endless knife which is bent in such a manner that the edge conforms to the shape of the sole of a Boot. From the back of the knife or cutter at the points which constitute the heel and the toe of the figure two arms project parallel to each other an inch or more from one inch wide and one fourth of an inch thick. The cutter being placed on a plane horizontal surface of a block of wood, like long of two or three feet in length and placed parallel to each other on the back of the cutter are standing long rivets, one on each side of the two arms which project upward. These bars are drawn towards each other by screws which pass horizontally through both till they press hard on the two arms. When the cutter is to be used a piece of sole leather is placed on the block of wood and the cutter is placed thereon and may be forced down by an eccentric lever or may be attached by means of the iron bars and screws to the vertical sides of a lever press such for instance as that described in Holtzapffel's Turning & other Mechanical Operations Volume 1st page 334. I claim as my invention the construction of the knife being entire and of one piece and the application of the same to the purpose of cutting soles by means of a lever or lever press

Witnesses { Harvell Stearns
W^m Whitford

Jona Hill

(Dated May 31. 1836)