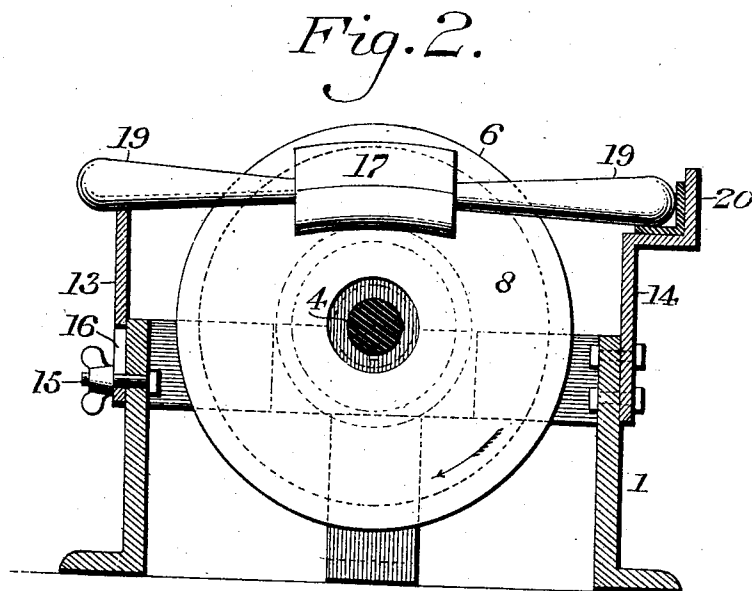
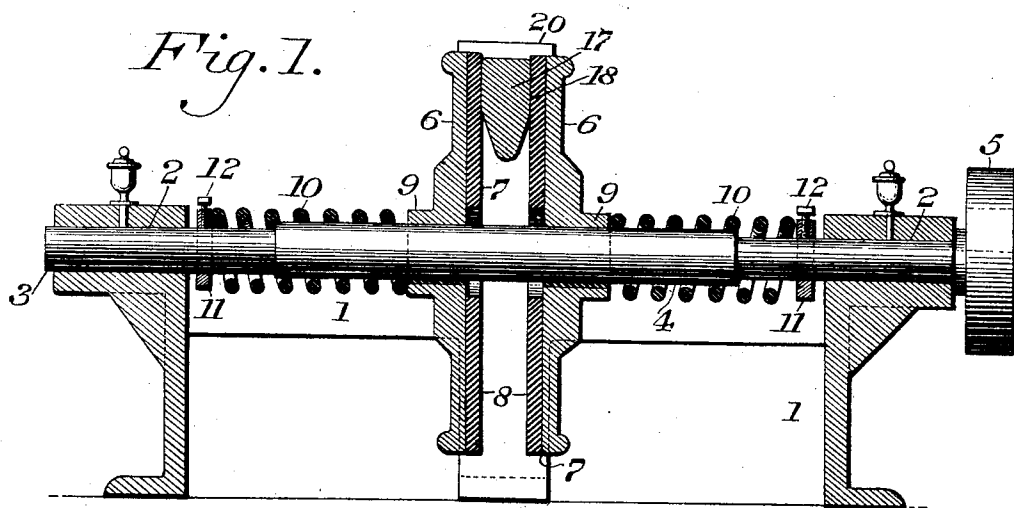


No. 762,052.

PATENTED JUNE 7, 1904.

A. L. HAYDEN.
IRONING DEVICE FOR SHOES, &c.
APPLICATION FILED OCT. 16, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

AMOS S. HAYDEN, OF AVON, MASSACHUSETTS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO ELLEN F. HAYDEN, OF AVON, MASSACHUSETTS.

IRONING DEVICE FOR SHOES, &c.

SPECIFICATION forming part of Letters Patent No. 762,052, dated June 7, 1904.

Application filed October 16 1903. Serial No. 177,248. (No model.)

To all whom it may concern:

Be it known that I, AMOS S. HAYDEN, a citizen of the United States, residing at Avon, in the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in Ironing Devices for Shoes, &c., of which the following is a specification.

My invention relates to an ironing device for shoes, &c.

It consists of a pair of rotatable wheels having friction-producing surfaces and provided with means for forcing them toward each other during rotation, whereby an iron or like tool placed therebetween will be heated.

My present device is an improvement on that shown in United States Patent No. 737,926, granted September 1, 1903, to William F. Packard and myself. It was found in the practical use of that machine that it tended to force the iron outward, so that considerable effort on the part of the operator was required to secure sufficient contact. My present device overcomes this defect and provides for any desired amount of friction.

Figures 1 and 2 represent, respectively, longitudinal and cross-sections of my device, a few parts being shown for the sake of clearness in elevation.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, 1 designates a standard having bearings 2 for a shaft 3, which may have an enlarged portion 4 and on which is mounted a driving-pulley 5. Mounted on the shaft 3 are two heads 6, the adjacent plane and parallel surfaces 7 of which are preferably faced with disks 8, of leather or like material. Pressing against the hubs 9 of the heads 6 are thrust-springs 10, the outer ends of which bear against collars 11, adjustably held on the shaft 3 by set-screws 12.

Secured to the frame or standard 1 intermediate its length are rests 13 14. I have shown one of these as vertically adjustable by means of a set-screw 15, playing in a slot 16 in the rest portion.

A tool 17 has flat parallel sides 18 and oppositely-extending handles 19.

The operation is as follows: The heads being rotated at sufficient speed it is obvious that a burnishing or like tool forced between them and held in place on the rests 13 14 will be highly heated by frictional contact with the revolving disks 8. As both the disks 8 and the sides 18 of the tool are plane and parallel, there will of course be no tendency to throw out the tool. By means of the movable rest 13 the tool is radially adjustable between the bases of the heads, so that wear of the disks 8 may be kept even from center to periphery. If the rotation is in the direction of the arrow shown in Fig. 2, the tendency toward tangential movement of the tool will be restrained by the upwardly-extending flange 20 on the rest 14. It is clear that the iron will be heated sufficiently for the burnishing required and that it cannot be burned or roughened.

Various changes may be made in the details of construction of my invention, and I do not, therefore, desire to be limited in each case to the same.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A tool-heating device comprising a pair of rotatable heads the adjacent faces of which are parallel and means for supporting a tool in frictional contact between said parallel faces.

2. A tool-heating device comprising a pair of rotatable heads, the adjacent faces of which are parallel, means for supporting a tool in frictional contact between said parallel faces and resilient means for forcing said heads toward each other.

3. A tool-heating device comprising a pair

of rotatable heads the adjacent faces of which
are parallel, means for supporting a tool in
frictional contact between said parallel faces
and means for resisting the tangential thrust
5 of said heads on said tool.

4. A tool-heating device comprising a pair
of rotatable heads the adjacent faces of which

are parallel and radially-adjustable means for
supporting a tool in frictional contact be-
tween said parallel faces.

AMOS S. HAYDEN.

Witnesses:

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