

J. B. Hastings,
Roll-Polisher, &c.

Nº 92,309.

Patented Jul. 6. 1869.

Fig. 1.

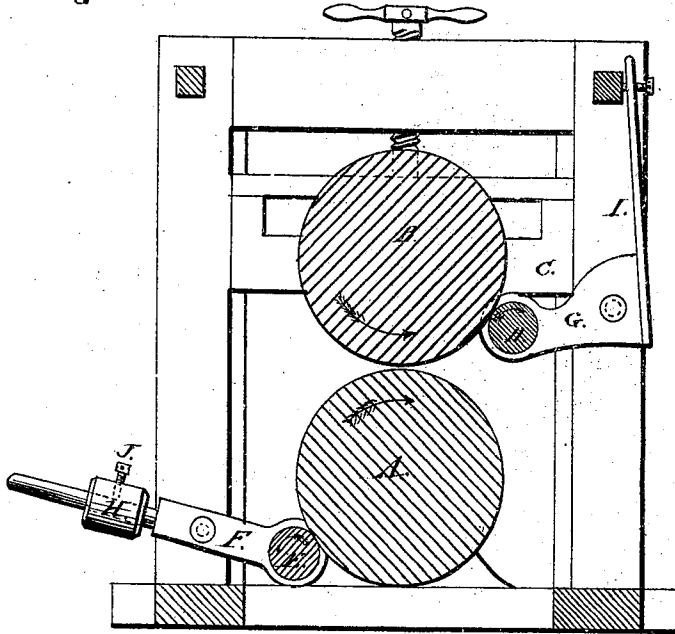
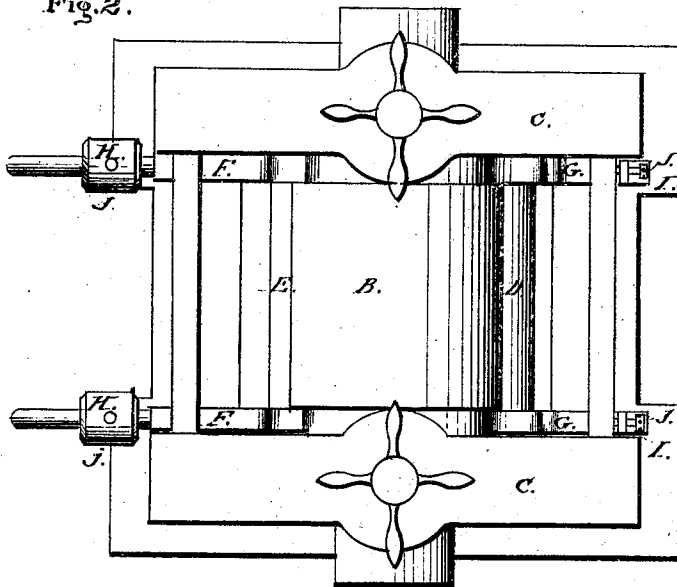


Fig. 2.



Witnesses:
William F. Bowers,
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Inventor:
J. B. Hastings
by his atty. Samuel Knight

United States Patent Office.

JOHN B. HASTINGS, OF IRONTON, OHIO, ASSIGNOR TO HIMSELF AND
LOVEARD T. DEAN; OF SAME PLACE.

Letters Patent No. 92,309, dated July 6, 1869.

IMPROVEMENT IN CLEANING AND POLISHING-ATTACHMENT TO SHEET-METAL ROLLS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, JOHN B. HASTINGS, of Ironton, Lawrence county, Ohio, have invented a certain new and useful Cleaning and Polishing-Attachment to Sheet-Metal Rolls; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

This is a new and useful attachment to the rolls employed in the manufacture of sheet-metal, whereby their surfaces are preserved in a clean and highly-polished condition, so as to not only last much longer, but produce smoother, better, and more finished work; and

My invention consists in applying to the periphery of each roll one or more pressure-rollers, which may be of cast-iron or other suitable material.

Figure 1 is a transverse section through a pair of "rolls," provided with my improvement.

Figure 2 is a top view of the same.

A is the lower, and B the upper of a pair of rolls, such as are customarily employed in the manufacture of sheet-iron and steel.

These rolls may be composed, as usual, of cast-iron, carefully turned off and polished, and be journaled in customary housings C.

The rolls are kept free from scales, and preserved at a high polish, by means of rollers D E, which may be made to press with any desired force against the pe-

ripheries of the rolls, by being journaled in the ends of levers F or G, whose other extremities may either have weight, or weights H, adjustable toward and from the fulcrum, or consist of a spring, I, having one or more temper-screws, J.

The cleansing-rollers should be so arranged, relatively to the rolls, as not to deposit their debris upon that part of the sheet entering the rolls.

The rollers successfully employed by me for this purpose have been of cast-iron, but I reserve the right to use any material that may be found to answer the purpose.

Experience with a pair of rolls thus provided justifies the belief that a material saving of time and labor is effected, beside the other advantages enumerated.

I claim herein as new, and of my invention—

1. The provision upon the periphery of a roll for making sheet-metal, of one or more pressure-rollers, substantially as set forth.

2. The arrangement of the pressure-rollers D E, journaled in levers F G, having adjustable weights, or springs H or J, for the purpose indicated.

In testimony of which invention, I hereunto set my hand.

JOHN B. HASTINGS.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.