

H. L. Butts,

File for Grooving Rolls,

N^o 76,599.

Patented Apr. 14, 1868.

Fig. 1.



Fig. 2.



Witnesses

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Inventor

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Atty

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HENRY L. BUTTS, OF NORWICH, CONNECTICUT.

Letters Patent No. 76,599, dated April 14, 1868; antedated March 28, 1868

IMPROVED FILE FOR GROOVING ROLLS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY L. BUTTS, of Norwich, in the county of New London, and State of Connecticut, have invented a new and useful Instrument for Filing the Grooves in Grooved-Metal Rollers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which are made a part of this specification.

The object of this invention is to provide an instrument with which the grooves of grooved-metal rollers may be filed perfectly straight and true. In the drawings—

Figure 1 represents a side view.

Figure 2 represents a section of the same.

This file is made of steel, hardened in the usual manner, of a uniform thickness and width, and having one or both edges planed bevelling, so as to get them all of the same bevel and thickness, to fit the groove in the rollers and work perfectly true.

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

The within-described tool, as an article of manufacture, constructed and used as and for the purpose herein specified.

H. L. BUTTS.

Witnesses:

F. E. BECKWITH,

GEO. FRED. LATHROP.