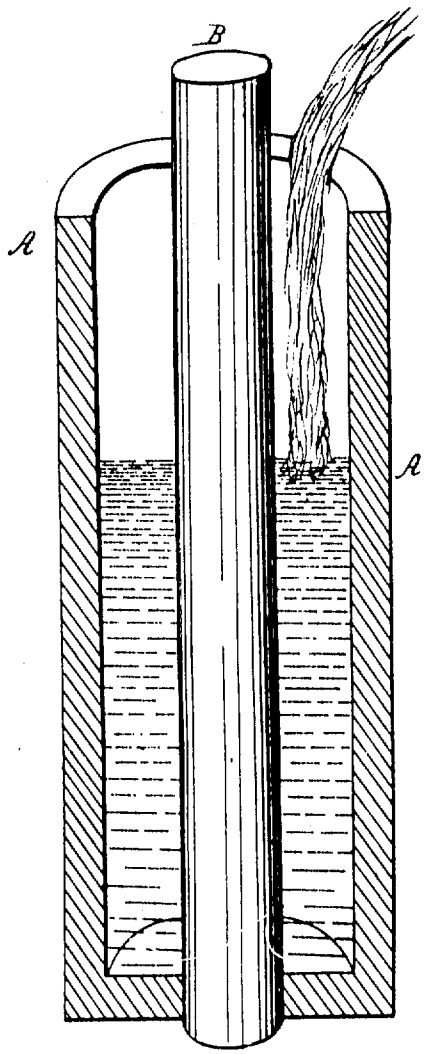
6654X

J. Wood,

Casting Rolls.

Patented July 20, 1831.



July 20 1831 10½

James Wood

6654X

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 James Wood himself of his improvement in the mode of manufacturing rollers of cast iron for laminating or flattening metals & for other purposes

To all whom it may concern—

Be it known that I James Wood have invented a new & improved mode of manufacturing rollers of cast iron for laminating or flattening metals & for other purposes and that the following is a full & exact description of my said invention—

I make a shaft of cast or wrought iron or steel or combinations thereof upon and around this shaft I afterwards cast iron so as to form the intended cylinder or flattening mill roller of the size and adapted to the purpose intended. This casting I sometimes effect in one operation and at other times I complete it in successive operations. The final casting by which the surface of the roller is formed is usually made in a chill or mould of cast or wrought iron turned perfectly true and so constructed as to receive and retain the shaft first named exactly in its centre. The roller so cast either chilled or not may afterwards be dressed by grinding in the usual way and the gudgeons if necessary may be turned. Such rollers may have grooves of various forms made in them by preparing the chill or iron mould with such projecting rims or rings as may be required. What I claim as

Corrected Mode

7/20/1831 Q654X

as new. & for which I ask a patent is the casting of iron rolls either chilled or not-chilled, for flattening or rolling metals or other substances upon shafts of steel wrought or cast iron or combinations thereof.

Witness
Th. Christian
I Patton Jr.

James Wood

Ord.
W.S.C.

315 words