(No Model.) 3 Sheets—Sheet 1.

H. MATTULLATH.

SANDING MACHINE FOR CONTINUOUS BARREL STAVES.

No. 421,953. Patented Feb. 25, 1890.

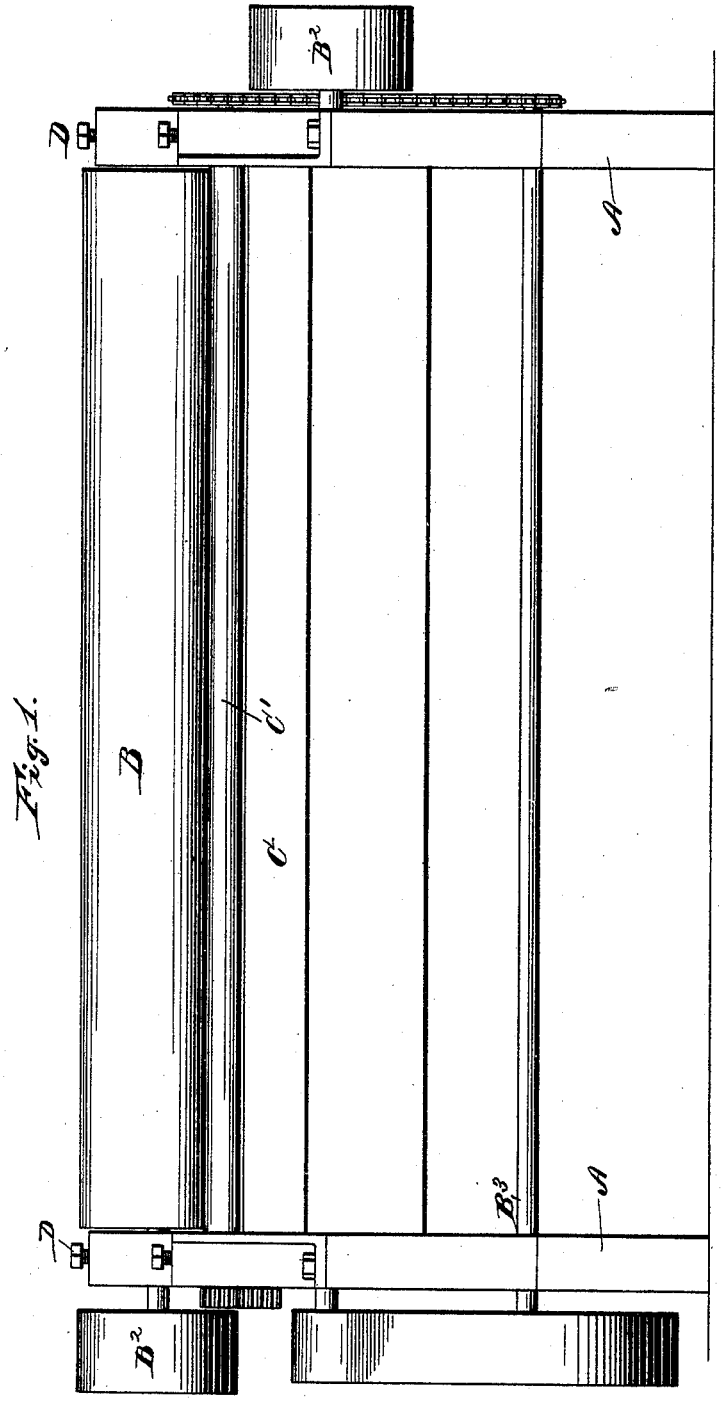

Fig. 1.

Attest.
John E. Wiles.
L. A. Doelty

Inventor.
Hugo Mattullath
By Wells W. Leggett
Atty.

(No Model.) 3 Sheets—Sheet 2.

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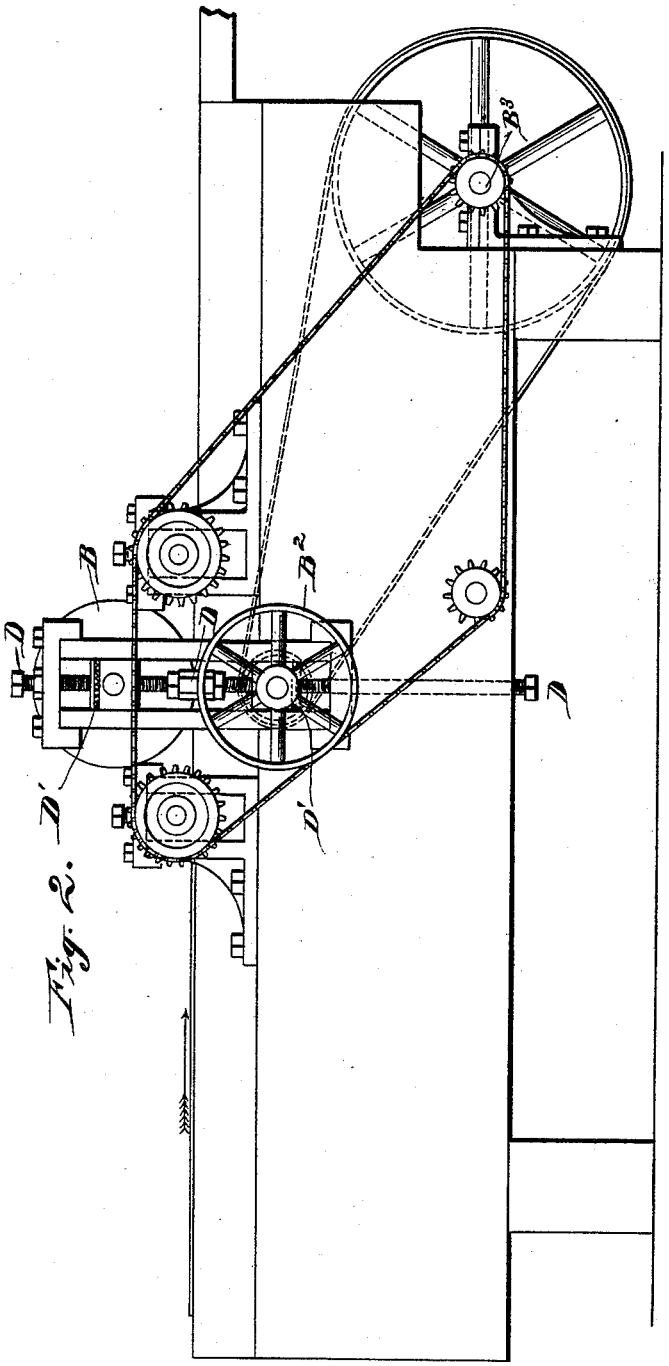

Attest.
John E. Miles.
L. A. Dueltz.

Inventor.
Hugo Mattullath
By Wells W. Leggett
Atty.

(No Model.) 3 Sheets—Sheet 3.

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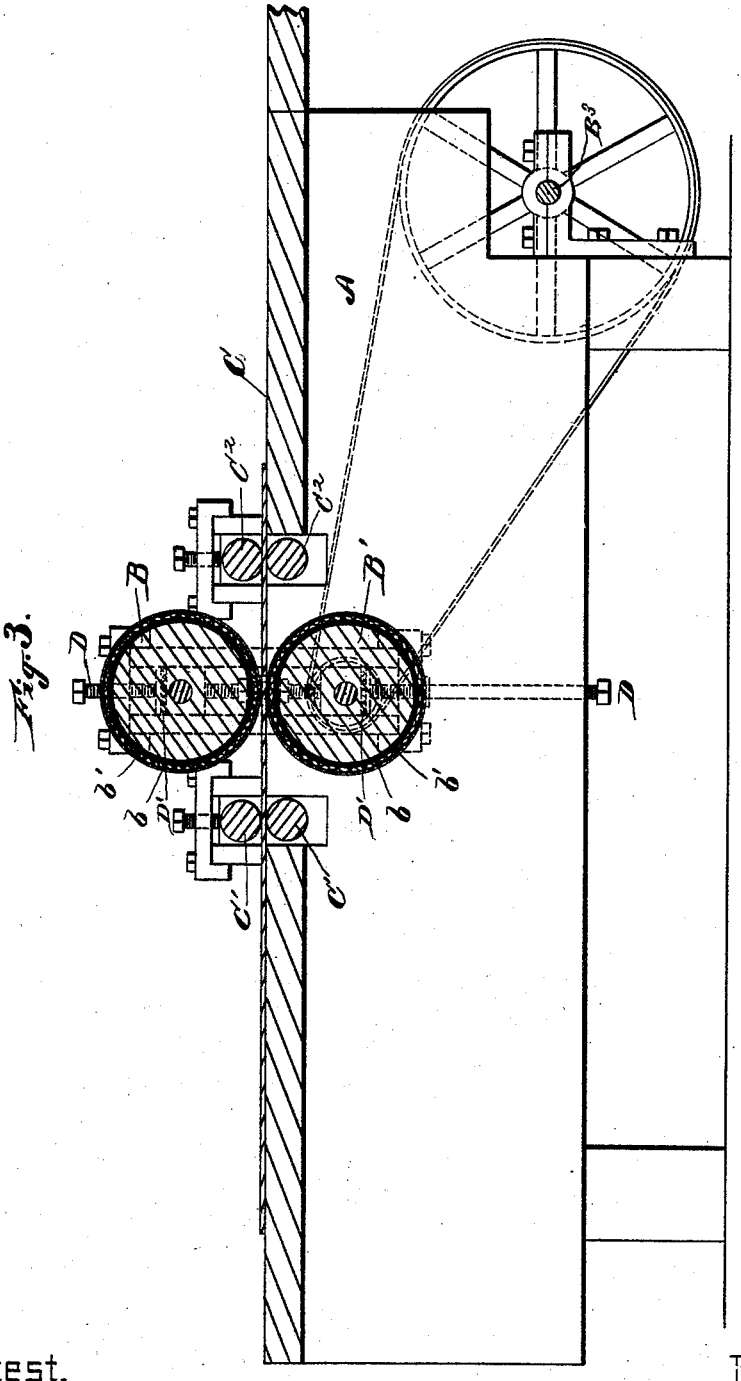

Fig. 3.

Attest.
John E. Wiles.
L. A. Dueltz

Inventor.
Hugo Mattullath
By Wells W. Leggett
atty.

UNITED STATES PATENT OFFICE.

HUGO MATTULLATH, OF DETROIT, MICHIGAN.

SANDING-MACHINE FOR CONTINUOUS BARREL-STAVES.

SPECIFICATION forming part of Letters Patent No. 421,953, dated February 25, 1890.

Application filed February 11, 1889. Renewed January 20, 1890. Serial No. 337,500. (No model.)

To all whom it may concern:

Be it known that I, HUGO MATTULLATH, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Sanding-Machines for Continuous Barrel-Staves; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

In the drawings, Figure 1 is a front elevation, Fig. 2 a side elevation, and Fig. 3 a longitudinal central section, of a sanding-machine involving my invention.

It is the purpose of my invention to produce a sanding-machine adapted to simultaneously smooth both sides of a continuous stave or veneer, for use in the manufacture of continuous stave or veneer barrels.

In carrying out my invention, A represents a suitable frame-work.

B represents a heavy roller, preferably of wood, arranged over the feeding-table C. B′ represents a similar roller located beneath the feeding-table of the machine. These rollers are each provided with a covering of flannel, felt, or other suitable back *b*. They are then provided with said cloth *b′*, to the glued surface of which is applied the sand. These rollers B and B′ are connected by suitable gearing B^2 with the drive-shaft B^3, whereby they are given a rapid motion, preferably in a direction opposed to the motion of the continuous stave or veneer that is fed between them.

D represents means for adjusting the rollers nearer to or farther from each other to suit different thicknesses of stave-veneers, and each roller is by suitable spring D′ made to exert a yielding pressure against the stave or veneer.

C′ C^2 presents means whereby the stave or veneer is fed forward between the sanding-rollers. By this apparatus the stave-veneer is either before or after it is gored, although preferably before it is gored, made simultaneously smooth upon both sides, and so produces a barrel highly finished upon both its interior and exterior.

What I claim is—

A sanding-machine for simultaneously sanding both surfaces of a continuous barrel stave or veneer, the said machine consisting of a table for supporting the stave or veneer, sanding-rollers B B′, located one above and one below the level of an opening in the table, means, substantially as described, for rotating said rollers in a direction against the feed, said sanding-rollers being adjustable toward and from each other and provided with springs for giving them a yielding pressure against the stave or veneer, and feed mechanism, substantially as specified, for feeding the stave or veneer through between the sanding-rollers, as and for the purpose set forth.

In testimony whereof I sign this specification in the presence of two witnesses.

HUGO MATTULLATH.

Witnesses:
W. H. CHAMBERLIN,
L. A. DOELTZ.