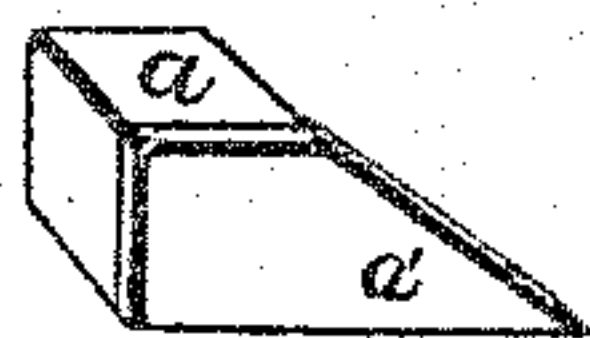
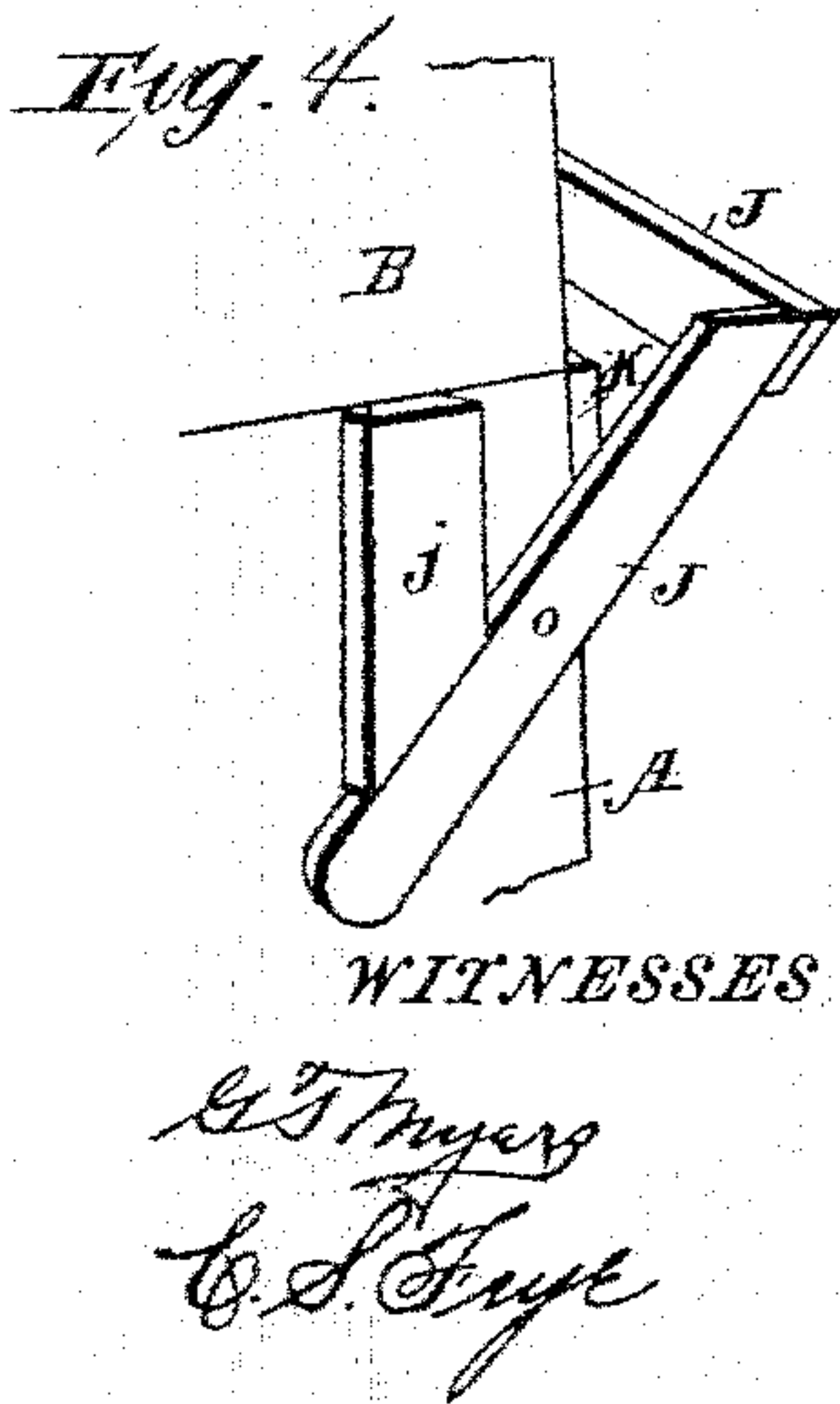
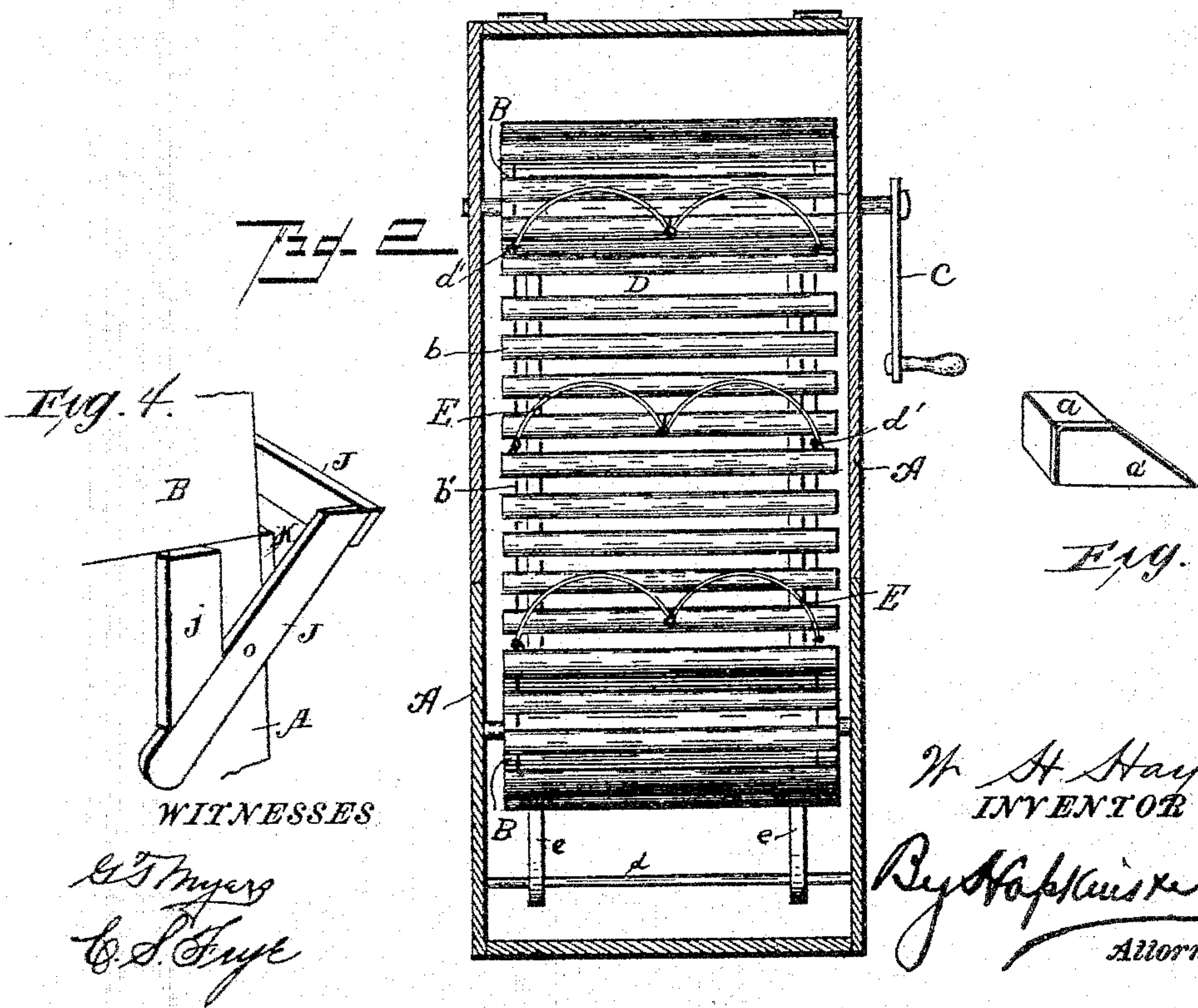
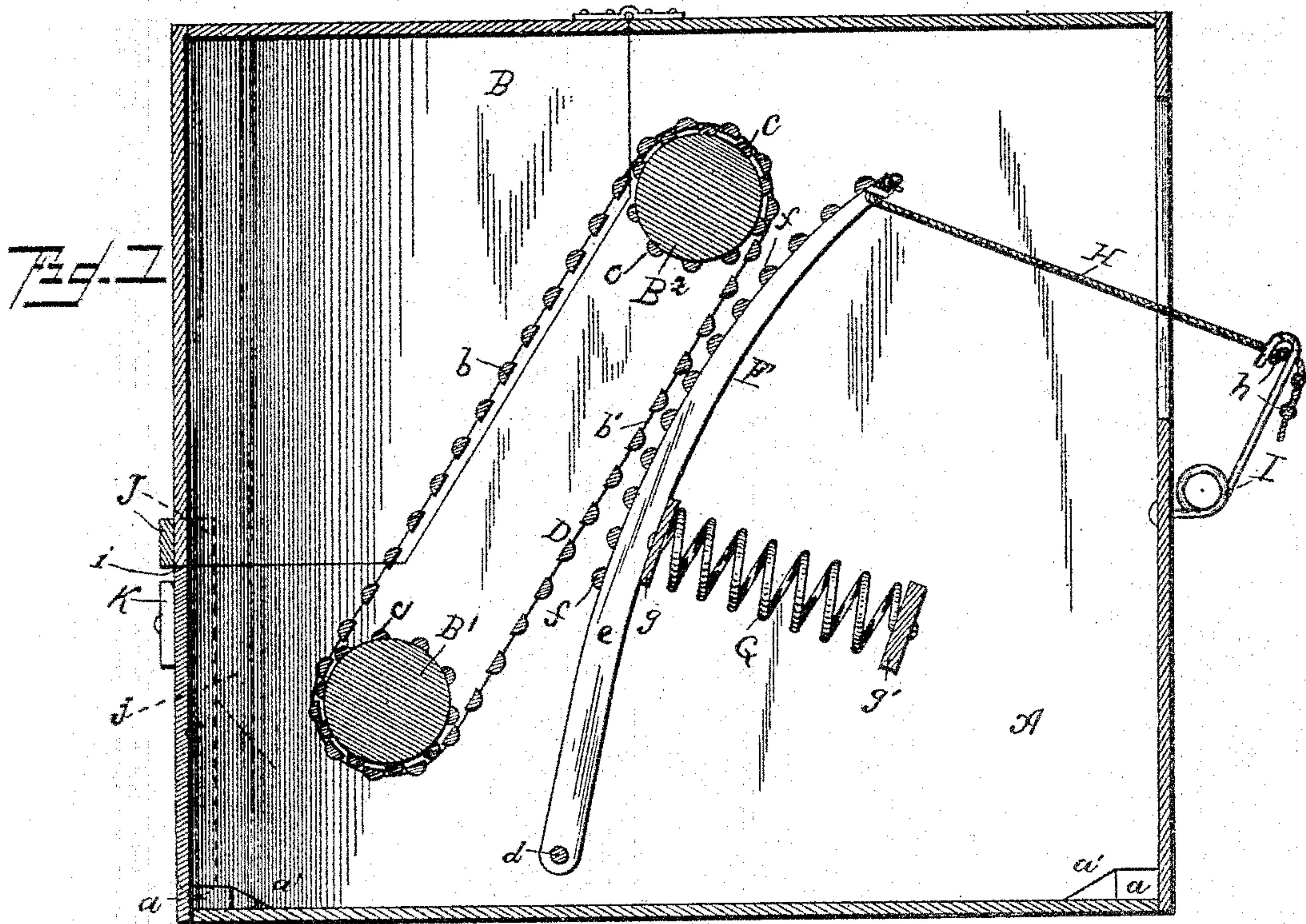


(No Model.)

W. H. HAYDON.  
WASHING MACHINE.

No. 491,424.

Patented Feb. 7, 1893.



W. H. Haydon  
INVENTOR  
By *Stephens & Atkins*  
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# UNITED STATES PATENT OFFICE.

WILLIAM HENRY HAYDON, OF SANTO, TEXAS.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 491,424, dated February 7, 1893.

Application filed June 11, 1892. Serial No. 436,357. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM HENRY HAYDON, a citizen of the United States, residing at Santo, in the county of Palo Pinto and State of Texas, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain improvements in washing machines, its objects being to produce a machine which will be simple in construction and efficient in operation. These objects I attain by the means illustrated in the accompanying drawings, in which,

Figure 1, represents a longitudinal vertical sectional view of the machine, Fig. 2, a partial vertical cross section. Fig. 3, a perspective view of a corner brace used in connection with the machine and, Fig. 4, a perspective view of a portion of the machine showing a wringer rack secured thereto.

In these drawings A, indicates the casing of the machine which is cut away on an incline in front, such cut away portion being closed by a door B. The several corners of the casing are strengthened by means of the brace shown in detail in Fig. 3, the brace consisting of two pieces *a*, *a'*, the former being a rectangular block, and the latter a block of triangular shape.

Mounted upon suitable spindles having bearings in the sides of the box A, are two rollers B', B<sup>2</sup>, the former being mounted at a point near the forward end of the box, and the latter at a point near the top thereof directly to the rear of an inclined opening. The spindle upon which the roller B<sup>2</sup>, is mounted, passes through one side of the casing and is provided with a crank C.

D, indicates an endless belt passing around the rollers B', B<sup>2</sup>, and formed of a series of slats *b*, and cords or wires *b'*. The rollers B' and B<sup>2</sup>, are provided with longitudinal peripheral ribs *c*, which engage the openings between the slats of the belt and propel it when the roller is rotated. At intervals upon the belt D, are arranged cord loops E, which

are connected to the cords *b'*, at their ends and at their centers to the slats *b*. These loops serve to hold the clothes to the belt.

At the sides of the casing, near the bottom, and slightly to the rear of the endless belt, is located a rod *d*, upon which is pivoted a wash board F, such wash board being formed of curved uprights *e*, and cross pieces *f*, the uprights curving rearwardly and the cross pieces commencing at the upper end and extending about midway of the length of such uprights.

Attached to the rear end of the wash board is a cross piece *g*, between which and a strip *g'*, is mounted a coiled spring G, such spring serving to force the wash board forward, unless the force of the spring is wholly or partly overcome by the device now to be described.

Secured to the upper end of the wash board is a cord H, which is taken back through an opening in the back of the casing. The cord H, is provided with knots or stops *h*, arranged to engage the arm of a tension spring I, secured to the back of the casing. The device last described provides means for adjusting the wash board relatively to the clothes carrying belt, thus determining the amount of rubbing to which the clothes are to be subjected.

J, represents the wringer rack which consists of two arms pivoted to the sides of the casing and connected by a cross-piece at their upper ends.

Secured to the sides of the casing directly to the rear of the uprights are the strips *j*, so arranged that when the rack is in position for use the uprights will press against the inclined front lower edges thereof.

The letter K, indicates catches pivoted to the front of the casing which engage the front of the door B, and hold it in a closed position when the machine is in operation.

The operation of the machine will be readily understood from the foregoing and needs no further description.

What I claim is:—

In a washing machine, the combination with a casing having ribbed rollers journaled therein, an endless belt with slats mounted on said rollers, of a rubbing board with cross pieces thereon pivoted to the casing, a



spring at the rear central portion of the board, a counter-acting tension spring secured to the end of the casing, and adapted, at its free end, to hold a cord said cord being secured at one end to the board, its opposite end passing through an opening in the end of the casing and adapted to engage with said tension spring, whereby the rubbing board is adjusted to or from the slats of the belt, substantially as specified. 10

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM HENRY HAYDON.

Witnesses:

W. T. CONNER,

J. R. ODOM.