

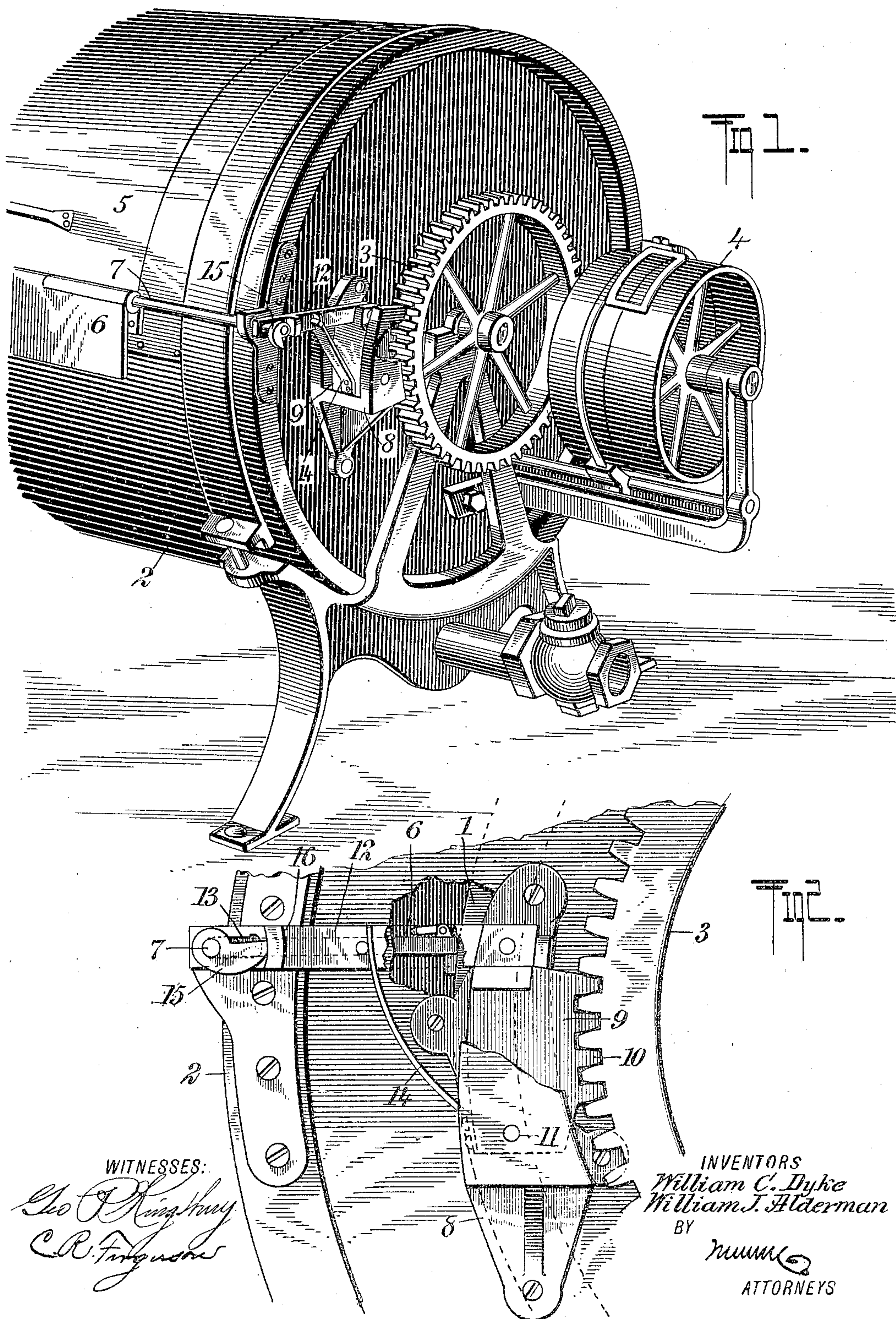
No. 808,521.

PATENTED DEC. 26, 1905.

W. C. DYKE & W. J. ALDERMAN.

WASHING MACHINE.

APPLICATION FILED DEC. 22, 1904.



WITNESSES:

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WILLIAM C. DYKE AND WILLIAM JACKSON ALDERMAN, OF WALLA
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WASHING-MACHINE.

No. 808,521.

Specification of Letters Patent.

Patented Dec. 26, 1905.

Application filed December 22, 1904. Serial No. 237,921.

To all whom it may concern:

Be it known that we, WILLIAM C. DYKE and WILLIAM JACKSON ALDERMAN, citizens of the United States, and residents of Walla Walla, in the county of Wallawalla and State of Washington, have invented a new and Improved Washing-Machine, of which the following is a full, clear, and exact description.

This invention relates particularly to improvements in locking mechanism for steam washing-machines, the object being to provide a locking mechanism so arranged that the brake can be moved into holding position by the turning of the apron into the space between the rotary clothing-cylinder and the outer casing, thus preventing the turning of the cylinder while clothing is being placed therein or removed therefrom, thus obviating possible accidents to the machinery or to the person handling the goods.

We will describe a washing-machine embodying our invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of a washing-machine embodying our invention, showing the locking device as off; and Fig. 2 is a fragmentary view illustrating the lock as set.

Referring to the drawings, 1 designates the rotary cylinder in which the clothing to be washed is placed. This cylinder is arranged within the usual fixed casing 2, and on the outwardly-extended shaft portion of the cylinder is a gear-wheel 3, driven from one of the band-wheels 4, the other band-wheel being loose on its shaft. The casing 2 is provided with the usual sliding cover 5, and adapted to be moved into the casing to close the space between the inner wall of the casing and the outer wall of the cylinder 1 is the usual apron 6, mounted on a shaft 7. Attached to the head of the casing is a casting or bracket 8, in which a locking-block 9 is mounted to swing, the said block having teeth 10 for engaging with teeth of the gear-wheel 3.

As indicated at 11, the pivot for the locking-block is located near the lower end, and engaging with the upper end is an actuating-

bar 12, provided with a slot 13, through which the end of the shaft 7 passes. A spring 14 is attached to the block and engages with a pin on the bar 12, this spring serving to move the lock out of engagement with the gear-wheel. Rigidly fixed to the shaft 7 is a cam 15, designed to engage with a lug 16 on the bar 12.

In the operation when the machine is in motion the locking mechanism will be in the position indicated in Fig. 1 and the apron 6 on the outer side of the casing. Upon stopping the machine for removing material from the cylinder and after opening the door 5 the apron 6 is to be manually turned in, and during the turning of the apron the cam 15 by engaging with the lug 16 will swing the block into engagement with the gear-wheel 3. By causing the locking mechanism to coact with the apron it is obvious that the setting of the lock will be insured. Upon turning the apron again to its outer position the spring 14 will move the block out of engagement with the gear-wheel.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. In a washing-machine, the combination with a rotary cylinder, a casing therefor, a drive-gear for the cylinder, a shaft and an apron on the shaft, of a bracket secured to the end of the casing, a locking-block mounted to swing in said bracket and having teeth for engaging in said gear, a bar extended from said bracket, a lug on said bar, and a cam on the apron-shaft for engaging with said lug.

2. In a washing-machine, the combination with a rotary cylinder, a casing therefor, an apron mounted to swing into the space between the casing and cylinder, a shaft on which the apron is mounted, a drive-gear on the shaft of the cylinder, a swinging block adapted for engagement with said drive-gear, a rod extending from said block, a lug on said rod, a cam secured to the shaft of the apron for engaging with said lug, and means for moving the block out of engagement with said drive-gear.

3. In a washing-machine, the combination with a rotary cylinder, a casing therefor, a swinging apron, a shaft for the cylinder, and a gear-wheel mounted on the shaft of the cyl-

inder, of a bracket secured to the end of the casing, a locking-block mounted to swing in said bracket, the pivotal point being near the lower end, teeth on said block for engaging
5 with the gear-wheel, a bar extended from the upper end of the block and provided with a slot for receiving the shaft of the apron, a lug on said bar, and a cam on the apron-shaft for engaging with said lug.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIAM C. DYKE.

WILLIAM JACKSON ALDERMAN.

Witnesses:

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