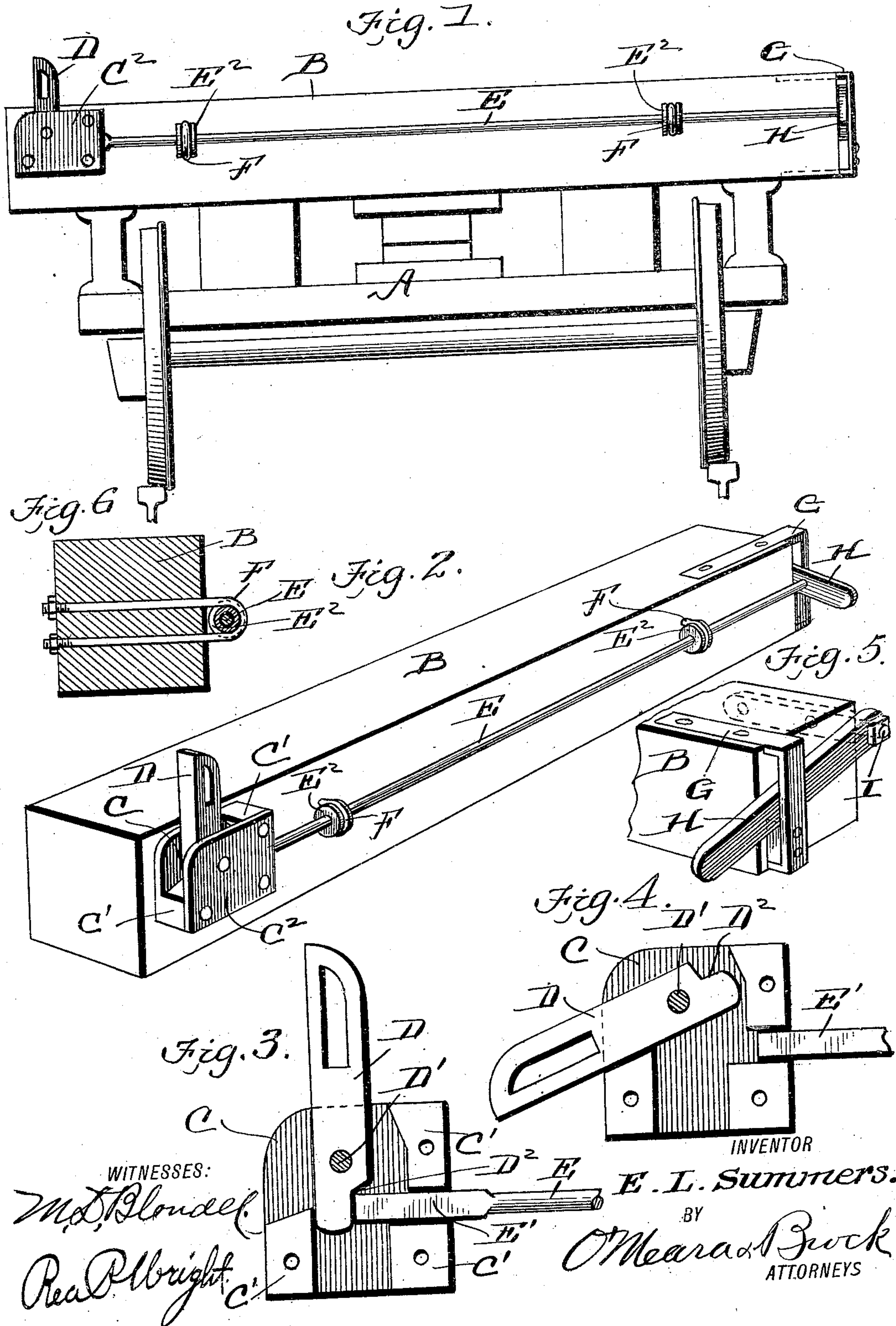


No. 841,068.

PATENTED JAN. 8, 1907.

E. L. SUMMERS.
AUTOMATIC LOGGING STANCHION.

APPLICATION FILED NOV. 14, 1905.



UNITED STATES PATENT OFFICE.

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AUTOMATIC LOGGING-STANCHION.

No. 841,068.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed November 14, 1905. Serial No. 287,282.

To all whom it may concern:

Be it known that I, EMMETT L. SUMMERS, a citizen of the United States, residing at Lucedale, in the county of Greene, in the State of Mississippi, have invented a useful Improvement in Automatic Logging-Stanchions, of which the following is a specification.

My invention relates to certain new and useful improvements in automatic logging-stanchions, and has for its object to provide a device that is very simple and cheap in construction and one that can be readily attached to the ordinary car now in use.

A further object of my invention is to provide a stanchion so constructed that it can be easily and quickly released from the opposite side of the car.

With these objects in view my invention consists of the novel construction and arrangement of parts hereinafter described, pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 is an end view of a car, showing my improved stanchion attached. Fig. 2 is a perspective view of my stanchion, showing it attached to one of the end sills. Fig. 3 is a side view of the casing and stake with one side removed, showing the stake in a vertical position. Fig. 4 is a similar view showing the stake released. Fig. 5 is a perspective view of the locking means. Fig. 6 is a section through the sill, showing the rod-supporting means.

Referring to the drawings, A indicates the ordinary car-truck, which is provided with the usual end sill B, to which my stanchion is adapted to be secured. To one end of the sill a plate C is secured, which is provided with outwardly-extending lugs C' and between which a stake D is mounted on a bolt D'. The stake is preferably formed with a curved side, so that when released the logs will roll off easily. A plate C² is secured on the lugs by bolts which pass through the lugs and plate and inclose the stake. The stake is provided with a cut-out portion D² at its other end and in which the square end E' of the rod E, which passes between the lugs of the plate, is adapted to engage and hold the stake in a vertical position. The rod E is slidably mounted in bearings E², secured in the guide-eyes F, which pass through the sill and are securely locked therein by nuts F'. Fitting over the other end of the sill is a U-shape member G, forming a guideway for

a lever H, which is mounted on a rod I, secured to the other side of the sill. The lever H is adapted to engage the end of the rod E and hold the square end E' up against the stake.

From the foregoing description it will be seen that I have provided a stanchion that can be operated from the other side of the car, so that there is no danger of the logs dropping on the person releasing the stake. It will also be seen as soon as the lever H is swung out of alinement with the rod E the pressure of the log against the stake will cause it to swing outwardly and allow the logs to roll off.

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

1. In a device of the kind described, the combination with a car-sill provided with a pivoted stake having a downwardly-projecting lower end, of a slidable rod adapted to engage the lower end of said stake and means for holding the rod in engagement with the said stake, for the purpose described.

2. In a device of the kind described the combination with a car-sill, of a stake pivoted thereto having a downwardly-projecting lower end, a slidable rod mounted longitudinally on said sill adapted to engage the lower end of said stake; and means for locking said rod against said stake for the purpose described.

3. In a device of the kind described the combination with a casing of a stake pivoted in said casing provided with a cut-out portion at its end, a slidable rod adapted to engage said cut-out portion of the stake, and means for locking said rod in an engaged position, for the purpose described.

4. In a device of the kind described the combination with a sill of a casing secured adjacent one end of said sill, a stake pivoted in said casing provided with a cut-out portion at its lower end, a rod mounted in guide-eyes secured to the sill and extending into the casing, a guideway secured to the other end of said sill, and a lever pivoted to a rod secured to said sill adapted to be swung in and out of alinement with said rod, for the purpose described.

EMMETT L. SUMMERS.

Witnesses:

J. A. DORSETT,
A. McDUFFEE.