

UNITED STATES PATENT OFFICE.

ROBERT T. WILSON, OF DIAMOND, INDIANA.

CHOCK-BLOCK.

SPECIFICATION forming part of Letters Patent No. 719,288, dated January 27, 1903.

Application filed August 1, 1902. Serial No. 117,944. (No model.)

To all whom it may concern:

Be it known that I, ROBERT T. WILSON, a citizen of the United States, residing at Diamond, in the county of Parke and State of Indiana, have invented certain new and useful Improvements in Chock-Blocks, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to new and useful improvements in chock-blocks; and its object is to provide a device of simple and cheap construction which may be readily secured upon a railway-rail to prevent the movement of a car thereon. It is more especially designed for holding mining-cars stationary upon an inclined grade.

The invention consists in providing a block having a groove in the bottom thereof adapted to receive the tread of a rail. A clutch of peculiar construction is mounted on the block and is adapted to be placed into engagement with the sides of the rail, and means are employed for locking the clutch in the position to which it is moved.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a perspective view showing the block locked upon a rail, and Fig. 2 is a central transverse section therethrough showing the clutch removed from engagement with said rail.

Referring to the figures by numerals of reference, 1 is a block of desired length having a groove 2 in the bottom thereof which is adapted to receive the tread of a rail 3. An inclined strip 4 is formed upon the upper surface of block 1 and extends upward from one end thereof, the opposite end being supported and braced by a V-shaped standard 5, preferably constructed integral with the block 1 and strip 4. The side walls 6 of the groove 2 are cut away at the center, and each receives an arm 7, extending downward from and formed integral with a lever 8. This lever is fulcrumed upon a vertical pin 9, extending down through the strip 4 and into a recess 10, formed in the upper surface of block 1. Arms 11 extend laterally from one

side of block 1 and are joined at their outer ends by a strip 12, having a series of perforations 13 thereon. The lever 8 is adapted to extend over this strip, and a pin 14 when placed in one of the perforations 13 will prevent the lever from being swung upon its fulcrum. This pin may be connected to the block by means of a chain 15 or other flexible means.

In operation the block 1 is placed upon a rail and the inclined strip 4 placed in contact with the periphery of a car-wheel. Lever 8 is then swung upon the pin 9 until the arms 7 clamp upon opposite sides of the rail. Said lever is then locked in position by means of the pin 14. The clutching-arms 7 may be formed of wood, soft metal, or any other material which will grip upon the rail.

In lieu of the pin 14 and the perforated strip 12 an ordinary rack-and-pawl arrangement may be employed.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. In a device of the character described the combination with a grooved block having an inclined face thereon; of a lever pivoted upon the block, a clamping-arm extending therefrom and projecting into the groove, and means for locking said lever and arm in adjusted position.

2. In a device of the character described the combination with a block having a rail-receiving groove and an inclined face upon the block; of a lever pivoted upon the block, arms extending therefrom and projecting into opposite sides of the groove, and means for locking the lever and arms in adjusted position.

3. In a device of the character described the combination with a block having a rail-receiving groove and an inclined face upon said block; of a lever pivoted upon the block, arms extending therefrom and projecting into opposite sides of the groove, arms extending laterally from the block, a perforated strip

connecting said arms, and a pin adapted to engage one of the perforations and prevent movement of the lever and its arms.

4. In a device of the character described the
5 combination with a block having a rail-receiving groove; of an inclined strip upon the block, a V-shaped support for one end thereof, a pin engaging the strip and block, a lever fulcrumed thereon, arms extending from the
10 lever and projecting through opposite sides of the groove, arms extending laterally from

the block, a perforated strip connecting said arms, and a pin adapted to engage a perforation and prevent movement of the lever and its arms.

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

ROBERT T. WILSON.

Witnesses:

JAMES A. BRADLEY,
JOHN F. SANDERS.