

No. 757,260.

PATENTED APR. 12, 1904.

M. BROWN.
GRINDING ATTACHMENT.
APPLICATION FILED MAY 16, 1903.

NO MODEL.

Fig. 1.

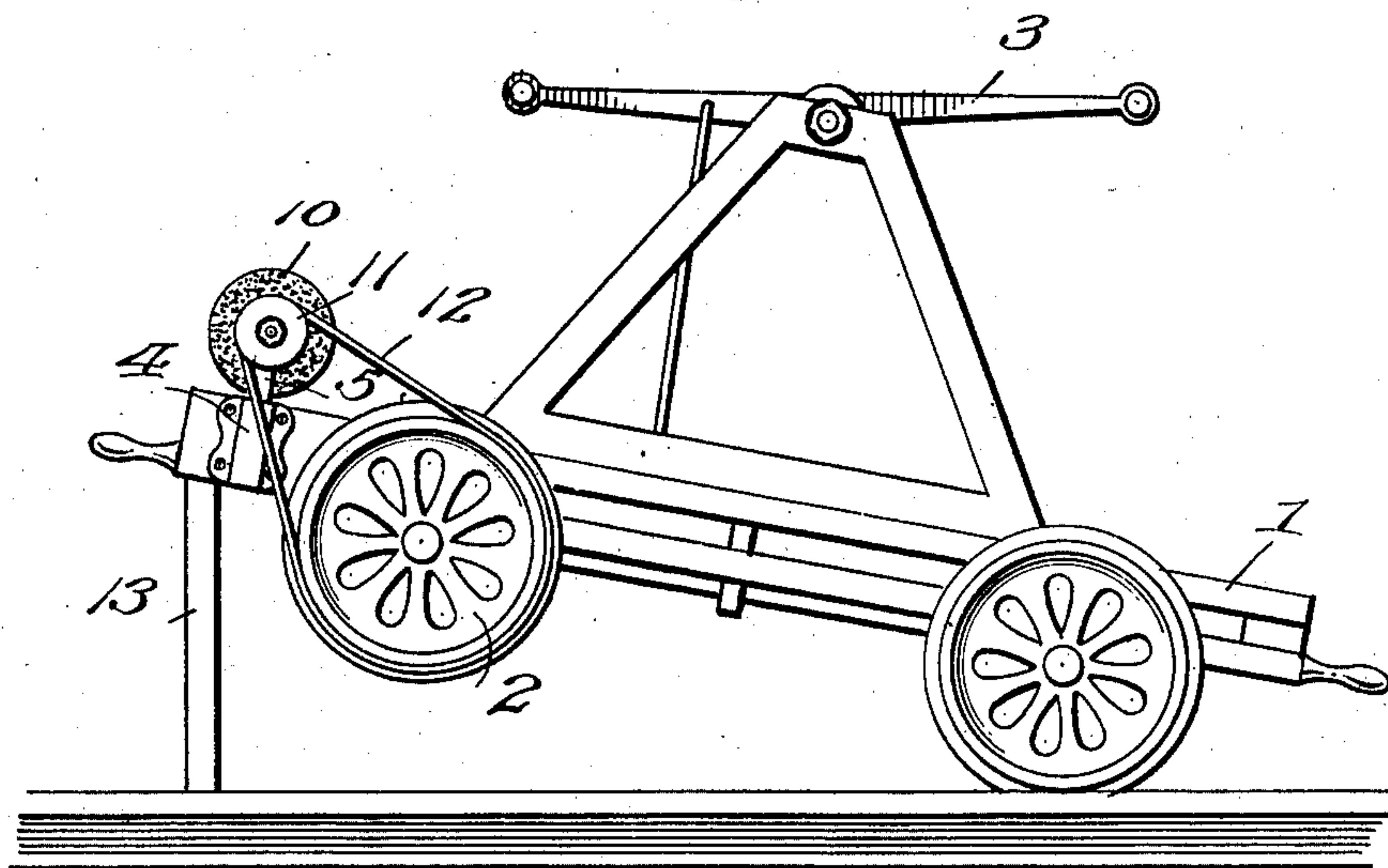


Fig. 2.

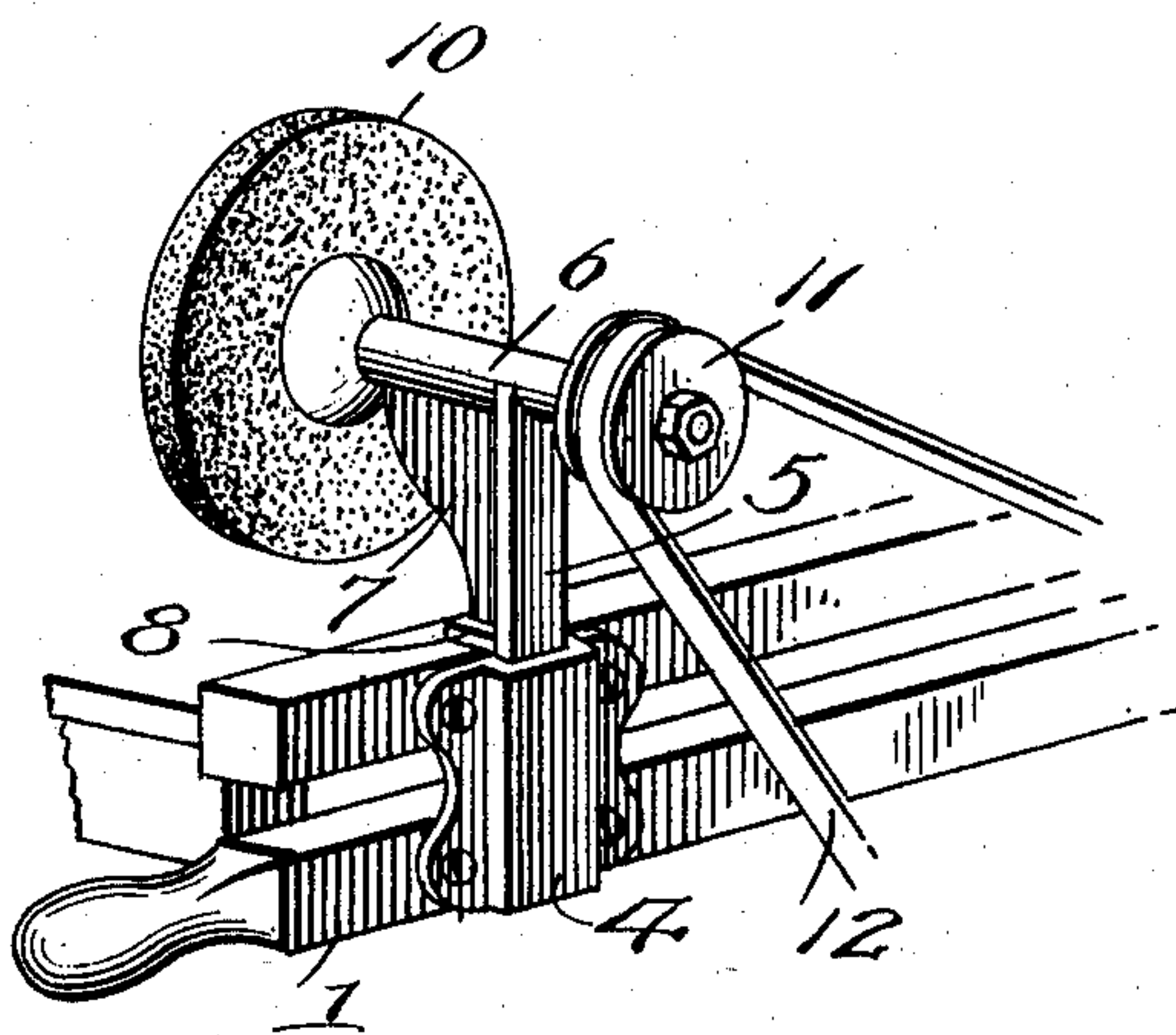
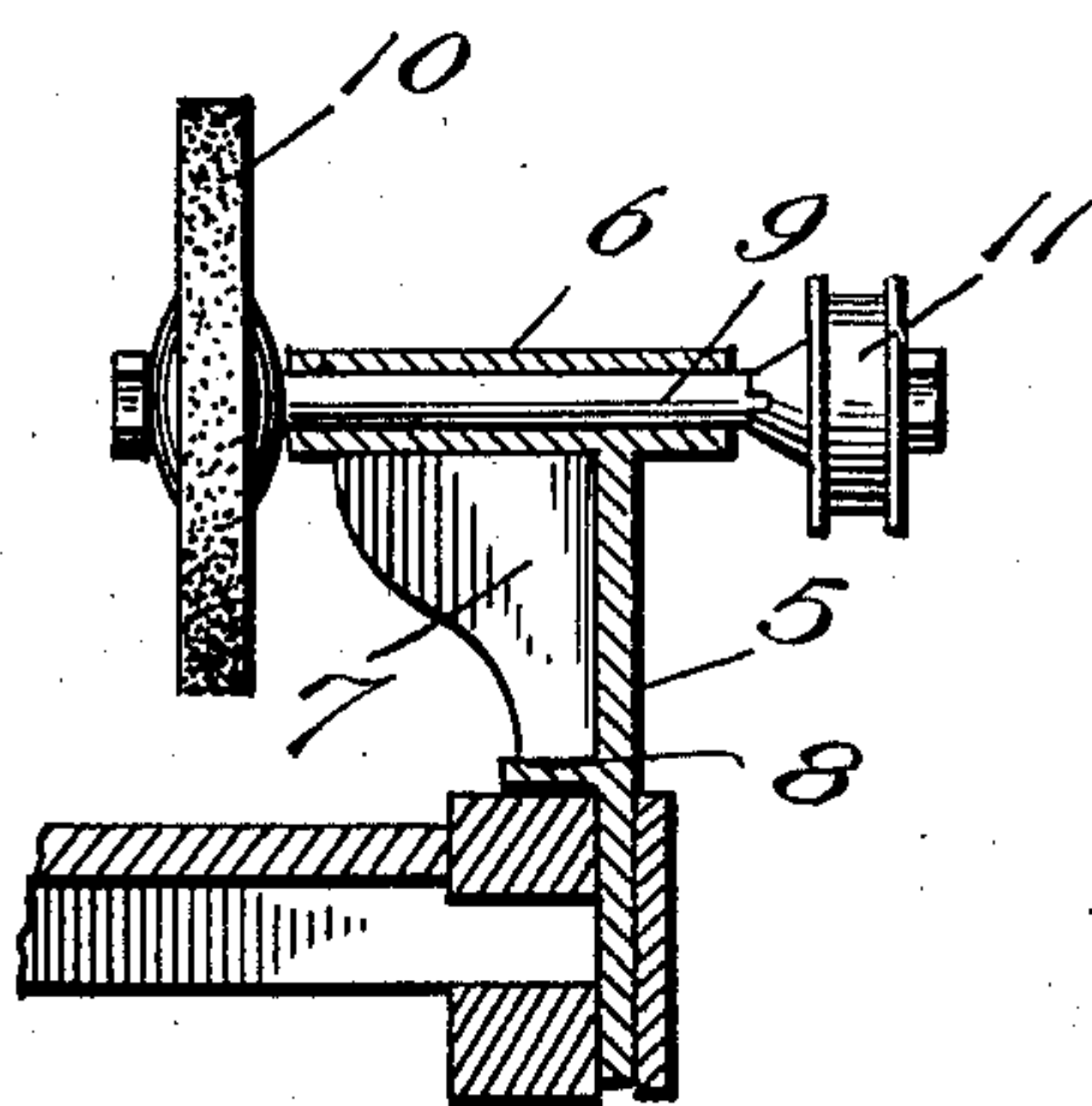


Fig. 3.



Witnesses

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MIK BROWN, OF RENNER, TEXAS.

GRINDING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 757,260, dated April 12, 1904.

Application filed May 16, 1903. Serial No. 157,455. (No model.)

To all whom it may concern:

Be it known that I, MIK BROWN, a citizen of the United States, residing at Renner, in the county of Collin and State of Texas, have invented new and useful Improvements in Grinding Attachments, of which the following is a specification.

My invention relates to new and useful improvements in grinding attachments for hand-cars; and its object is to provide a grindstone which may be readily arranged upon the platform of a hand-car and which is so constructed that it may be driven at a high speed from one of the wheels of the car.

With the above and other objects in view the invention consists in providing a bracket at one side of the platform of a hand-car and arranging therein a standard, in the upper end of which is journaled a shaft having a grindstone and a pulley secured at the ends thereof. The pulley is arranged in vertical alinement with one of the wheels of the car, and a belt extends over the pulley and is adapted to be placed over the adjoining wheel of the car after said car has been raised, so as to remove the wheel from the track.

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 side elevation showing the manner of using my improved grinding attachment. Fig. 2 is a perspective view of the attachment, and Fig. 3 is a section there-through.

Referring to the figures by numerals of reference, 1 is the platform of a hand-car, the drive-wheels 2 of which are adapted to be operated by means of a centrally-fulcrumed lever 3, as ordinarily. A bracket 4 is secured to one side of the platform, preferably near one end thereof, and is adapted to receive a standard 5, having a laterally-extending tubular arm 6 at its upper end, which is strengthened and partly supported by a web 7. It will be noted that the standard, arm, and web are all formed integral. The lower extremi-

ties of the web and standard are provided with a base-piece 8, which is adapted to rest on the platform of the car and serves the purpose of supporting the web and bracket in an upright position, whereby the grinding-stone is held normal during the operation of the same.

Journaled within arm 6 is a shaft 9, having a grindstone 10 at its inner end. A pulley 11 is secured to the outer end of the shaft in vertical alinement with one of the drive-wheels 2, and a belt 12 is adapted to be placed upon this pulley and over said wheels 2.

In order to operate the grindstone, it is first necessary to raise the end of the platform 1 adjacent which the drive-wheels 2 are arranged, and the platform is preferably held in this position by means of a suitable standard 13. After the platform has been raised the belt 12 is placed upon one of the wheels 2 and the pulley 11, and motion is then imparted to said wheel by operating the lever 3. It will be seen that the grindstone will thus be rapidly rotated. A device of this character is extremely serviceable to railroad hands, who are in the habit of carrying large numbers of tools upon hand-cars. The tools can be quickly ground by them by simply raising the hand-car and placing the parts in the positions hereinbefore described.

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 any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus described the invention, what is claimed as new is—

A grinding attachment comprising a wheeled hand-car having a platform thereon, mechanism for driving the car, a slotted bracket secured to one side of the platform, a standard having its lower end detachably mounted in said slotted bracket, the upper end of the standard having a curved bearing therein, a tubular arm secured to said bearing, a base-piece secured to the standard and detachably mounted on the platform, a supporting-web

secured to the standard, tubular arm and base-
piece, a revoluble shaft passing through said
tubular arm having on one end a pulley-wheel
and on the other end a grinding-stone, and a
5 belt mounted on said pulley-wheel and on the
flanged periphery of the car-wheel below said
pulley, substantially as specified.

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

MIK BROWN.

Witnesses:

W. D. HICKMAN,
E. M. BROWN.