

No. 827,491.

PATENTED JULY 31, 1906.

P. WULFF & E. HAM.

TRACK LINER.

APPLICATION FILED MAY 19, 1906.

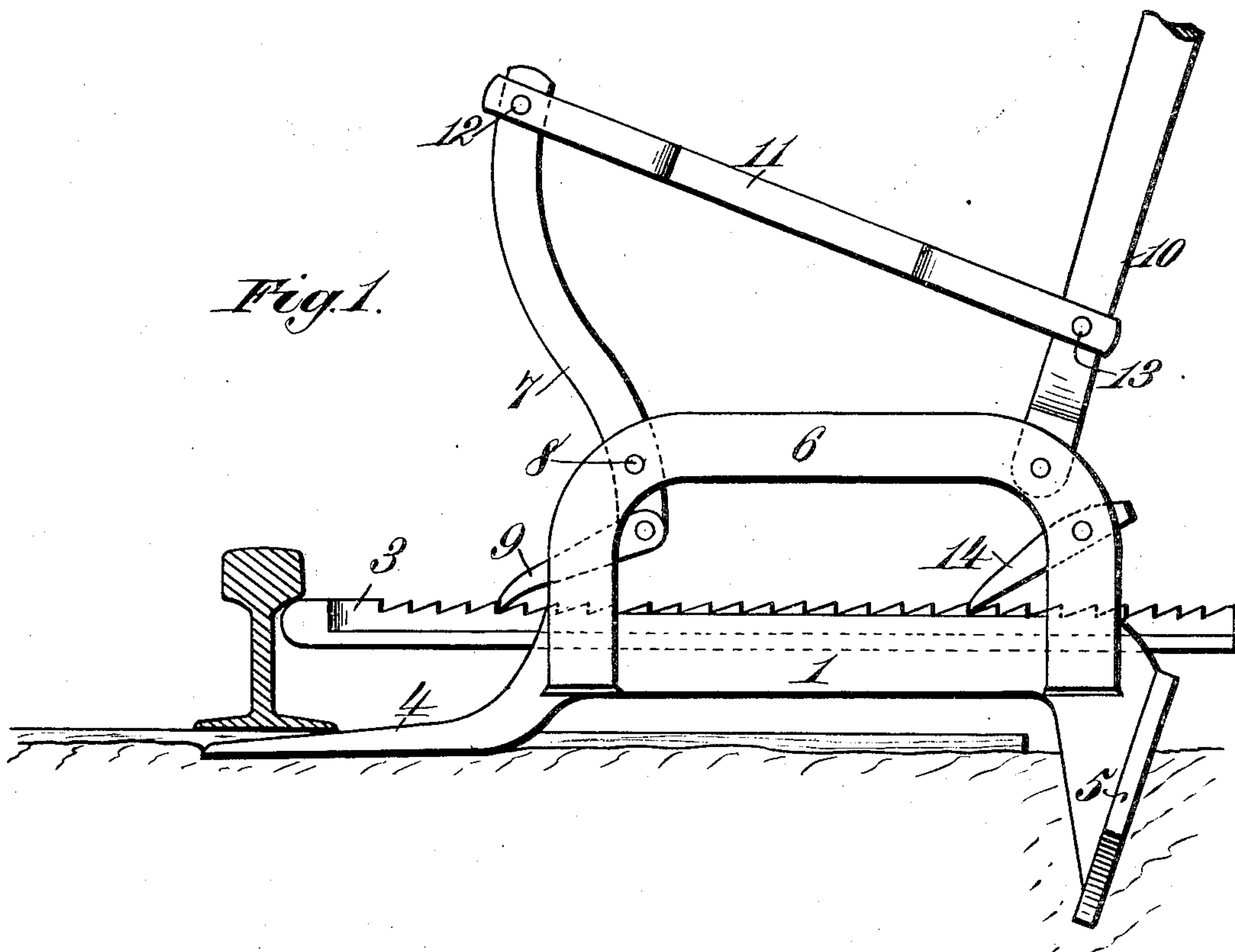
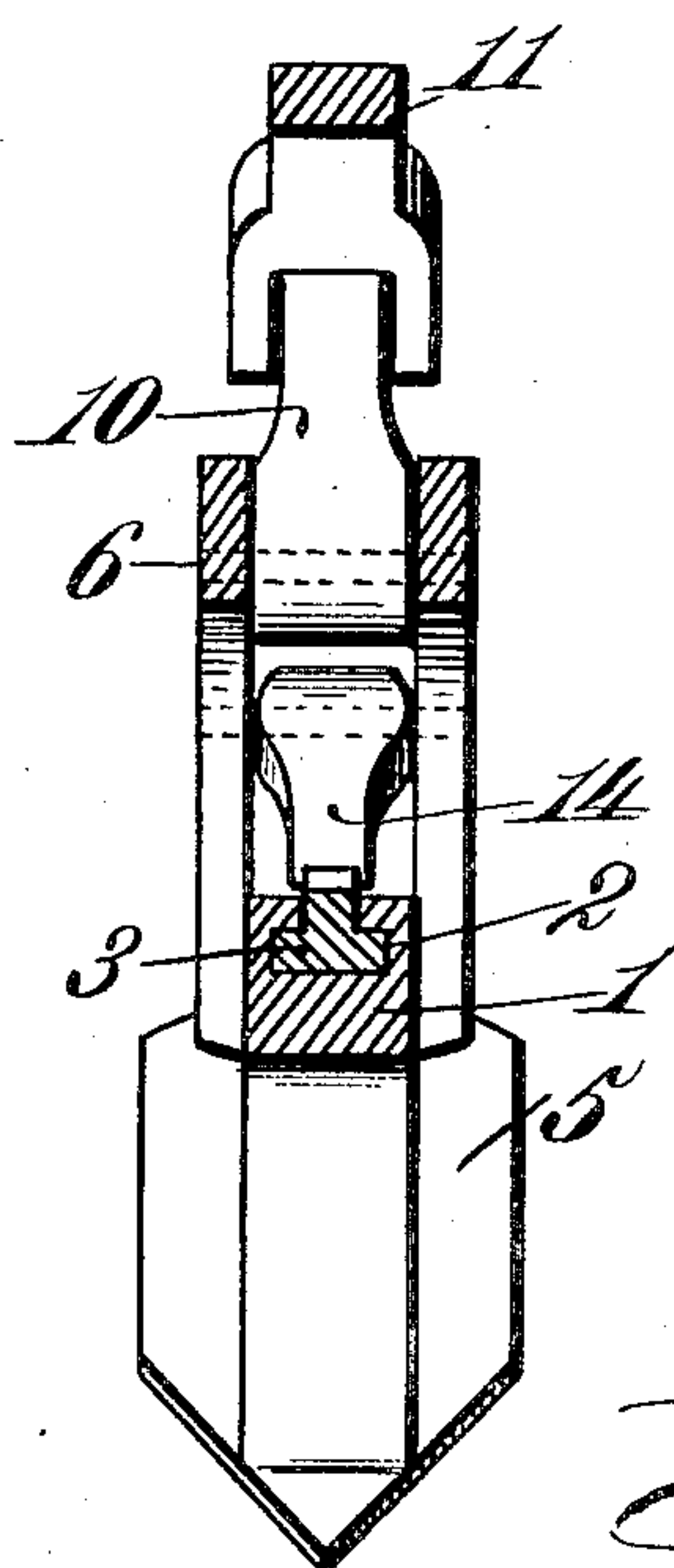


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

PHILIP WULFF AND ERNEST HAM, OF ARGYLE, MISSOURI; SAID HAM
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TRACK-LINER.

No. 827,491.

Specification of Letters Patent.

Patented July 31, 1906.

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To all whom it may concern:

Be it known that we, PHILIP WULFF and ERNEST HAM, citizens of the United States, residing at Argyle, in the county of Osage and State of Missouri, have invented new and useful Improvements in Track-Liners, of which the following is a specification.

This invention relates to an improved track-liner, and has for its object to provide a novel device of this description which shall be simple and durable in construction and in the use of which great power may be exerted upon the rails to bring them into alinement.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a view in side elevation of the device, and Fig. 2 is a cross-section of the same.

Referring now to the drawings, the numeral 1 indicates a base, extending longitudinally of which is a groove 2, opening on the upper side of the base. Slidably confined in this groove is a rack-bar 3, adapted to be forced outward into engagement with the rail in the manner to be described later. Projecting from the forward end of the base 1 is a tongue 4, which is adapted to be inserted under the rail to assist in maintaining the proper position of the device when in use, and on the rear end of the base is mounted a downwardly-extending pointed stop-block 5, which may be driven in the earth adjacent to one of the rails of the track to form a bearing to resist backward movement of the device in forcing the rails into position. Secured to opposite ends of the base 1, at each side thereof, is a curved support 6.

7 indicates a lever which is pivotally mounted toward its lower end, as indicated at 8, in and between the supports 6 and has pivotally mounted at its lower end a pawl 9, which is adapted to engage or ride over the teeth of the rack-bar 3, according as said pawl is moved in one direction or the other by the lever 7.

10 indicates a lever-arm which is pivotally mounted at its lower end in and between the supports 6 at the opposite end of said support to which the lever 7 is secured.

11 indicates a connecting-bar which is bifurcated at its opposite ends to embrace the lever 7 and lever-arm 10, respectively, and is pivotally secured, as indicated at 12, to the outer end of the lever 7 and, as indicated at 13, to the lever-arm 10 toward the lower end thereof.

Pivotally mounted in and between the supports 6, at the rear side thereof, is a gravity-pawl 14, which rests upon the teeth of the rack-bar 3 and operates to hold said rack-bar to any position to which it may be forced while operating the lever-arm 10.

In the operation of the device as the lever-arm 10 is moved forward or toward the front end of the device the pawl 9 will be moved to the rear and will ride over one or more teeth of the rack-bar 3 to a new position on said rack-bar. When the lever-arm 10 is moved backward, the pawl 9 will be moved forward, thereby forcing the rack-bar 3 outward. The above operations may be rapidly repeated, the pawl 14 operating to hold the rack-bar to its adjusted position, as above stated. By means of the connecting-bar 11, pivoted to the respective members 7 and 10, as described, we are enabled to obtain a large increased power over what would result from operating the lever 7 directly.

We claim—

1. A track-liner comprising a base having supports mounted thereon, a rack-bar slidably mounted in said base, a gravity-pawl mounted in said supports for normally engaging said rack-bar, a lever pivoted intermediate its ends in said supports and carrying at its lower end a pawl for engaging the teeth of said rack-bar, a lever-arm pivotally mounted at its lower end in said supports, and a connecting-bar pivotally secured at opposite ends, respectively, to the outer end of said lever and toward the lower end of said lever-arm.

2. A track-liner comprising a base, a forwardly and downwardly projecting tongue located at the forward end of said base, a stop-block mounted at the rear end of said base, a rack-bar slidably mounted at its base, supports secured to said base, a gravity-pawl pivotally mounted in said supports and adapted to normally engage the teeth of said rack-bar, and means mounted on said supports for moving the rack-bar outward in one direction.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

PHILIP WULFF.
ERNEST HAM.

Witnesses:

JOHN BAUMBOER,
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