C. W. MORGAN & C. L. RICE.

CLEAT ATTACHMENT FOR CONVEYER CHAINS.

APPLICATION FILED OCT. 28, 1909.

973,686.

Patented Oct. 25, 1910.

Fig. 1.

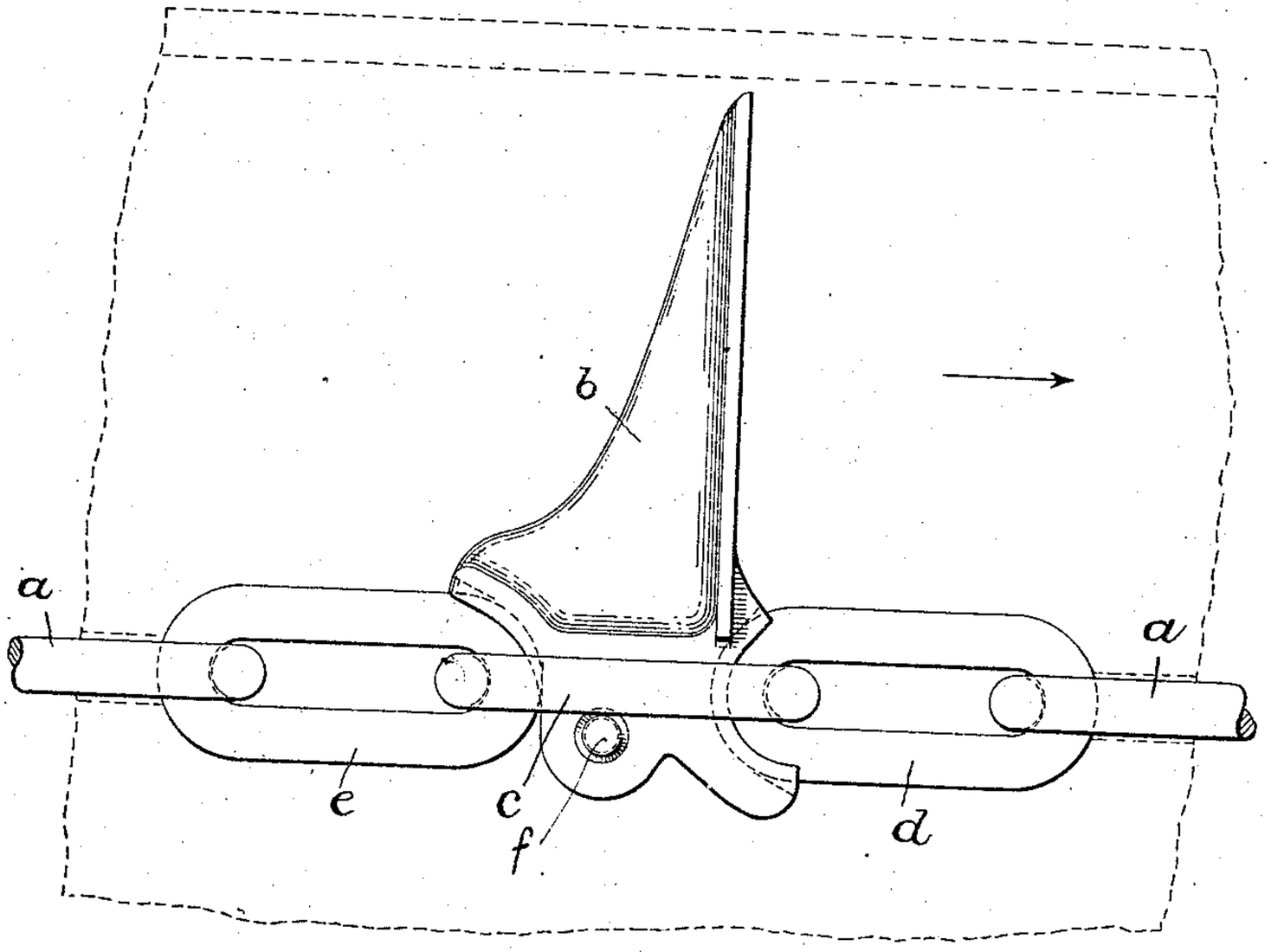
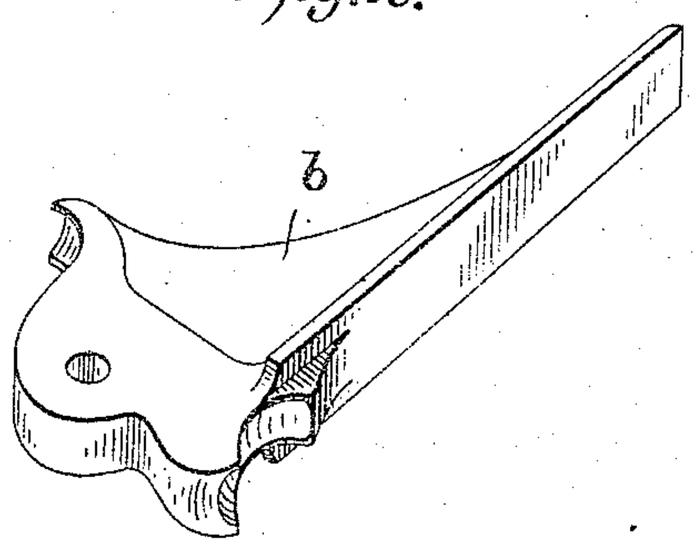


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES WARREN MORGAN AND CLARENCE LUTHER RICE, OF LUMBERTON, MISSISSIPPI.

CLEAT ATTACHMENT FOR CONVEYER-CHAINS.

973,686. Specification of Letters Patent. Patented Oct. 25, 1910.

Application filed October 28, 1909. Serial No. 525,230.

To all whom it may concern:

Be it known that we, CHARLES W. MORGAN and CLARENCE L. RICE, citizens of the United States, residing at Lumberton, Mississippi, have invented certain new and useful Improvements in Cleat Attachments for Conveyer-Chains, of which the following is a specification.

Our invention is designed as an improvement in the details of construction of the conveyer chain used for carrying slabs or refuse from saw mills or other factories. For this purpose it is usual to provide a trough or way into which the refuse is thrown, with a chain conveyer traveling in this trough and suitably guided, the chain being provided with projections at intervals, and preferably arranged alternately first on one side and then on the other adapted to clear the bottom of the trough by engaging and forcing forward the slabs or refuse.

Our invention is designed particularly to provide an improved connection between the projection and the conveyer chain, as will be more fully hereinafter described.

In the accompanying drawing: Figure 1 is a plan view of a part of a conveyer chain of ordinary construction having our improved projection secured thereto; Fig. 2 is a perspective view of the projection detached.

In carrying out our invention, we aim to provide a secure connection between the links of the conveyer chain and the base of the projection. The links are shown at *a*, and the projection at *b*. It is of ordinary or usual form, and has a shank portion of the shape shown adapted to enter the vertically arranged link *c* with its forward end curved and grooved to fit snugly the rear end of the link *d*. The rear face of the projection has a rearward extending shoulder curved and grooved adapted to fit the forward end of the adjacent link *e* at one side thereof only. Thus it will be seen that while the shank of the projection is supported in the central link, it fits snugly the ends of the adjacent links, and while securing support therefrom, the connection is such that the links are permitted freedom of movement both laterally and vertically without binding. A suitable pin *f* or other connection prevents displacement of the shank from the link.

We claim as our invention:

In combination with a chain conveyer, a projection having a shank passing through the vertical link, with its front wall curved and grooved to fit around the end of the adjacent front link, and having a rearward projection curved and grooved to fit one side of the front end of the adjacent rear link and a pin passing through the projection and engaging with the vertical link to hold the projection in place.

In testimony whereof, we affix our signatures in presence of two witnesses.

CHARLES WARREN MORGAN.
CLARENCE LUTHER RICE.

Witnesses:
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