A. LUST

ATTACHMENT FOR PANNING MILLS

Filed Feb. 9, 1924

Fig. 1.

A Lust.

Inventor

Witness:

By Victor J. Evans

Attorney
To all whom it may concern:  

Be it known that I, ADOLPH LUST, a subject of the King of Great Britain, residing at Mariott, in the Province of Saskatchewan and Dominion of Canada, have invented new and useful Improvements in Attachments for Fanning Mills, of which the following is a specification.

This invention relates to an attachment for a fanning machine and the like, the general object of the invention being to provide means for supporting a drive shaft so that the same cannot wobble and also for providing means for tightening the chain which communicates the motion of the drive shaft to the shaft of the implement.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a view of a fanning mill showing the invention in use.

Figures 2 and 3 are detail views of the attachment itself.

As shown in these views the device consists of a yoke-shaped member 1 which is adapted to be bolted to the machine shown at A by the bolt 2, this bolt passing through one limb of the member. The other limb has connected therewith an arm 3 which is provided with a handle 4 and a curved slot 5. A bolt 6 passes through this slot and engages a part of the machine and a wing nut 7 is placed on the bolt for clamping the arm in adjusted position. By this arrangement of parts the member 1 can be rocked upon its bolt to take up slack in the chains.

A drive shaft 8 is journaled in the lower part of the member 1 and this shaft carries the sprockets 9 which are preferably threaded to the shaft. The shaft extends beyond the outer part of the member 1 and this extended part of the shaft is adapted to receive either a pulley 10 or a crank handle according to whether the machine is to be driven by power or by hand. The sprockets 9 are engaged by the endless chains 12 which engage sprockets on the shaft or shafts of the machine.

From the foregoing it will be seen that the drive shaft is firmly supported so that it cannot wobble or vibrate when power is applied thereto. This wobbling motion tends to cause the chains to leave the sprockets. By adjusting the arm 3 on the bolt 6 the device will act as a chain tightener.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. An attachment of the class described comprising a yoke frame adapted to have one limb bolted to the apparatus upon which it is to be used, a shaft having its ends journaled in the ends of the frame with one end extended to receive the driving means and a sprocket on the central part of the shaft for receiving the driving chain of the apparatus.

2. An attachment of the class described comprising a yoke frame adapted to have one limb bolted to the apparatus upon which it is to be used, a shaft having its ends journaled in the ends of the frame with one end extended to receive the driving means and a sprocket on the central part of the shaft for receiving the driving chain of the apparatus and means for adjusting the frame to take up the slack of the chain.

3. An attachment of the class described comprising a yoke frame adapted to have one limb bolted to the apparatus upon which it is to be used, a shaft having its ends journaled in the ends of the frame with one end extended to receive the driving means, a sprocket on the central part of the shaft for receiving the driving chain of the apparatus, means for adjusting the frame to take up the slack of the chain, such means comprising an arm connected to the outer limb of the frame and having a slot therein for engaging a bolt on the apparatus and a nut engaging the bolt for holding the arm in adjusted position.

In testimony whereof I affix my signature.

ADOLPH LUST.