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Practical Talks to Threshermen

Continued from page 46

shaft through the twisting of the separator frame. The length of the bearing is generally made about three and one-half to four times the diameter of the shaft. This ratio of diameter of shaft to length of bearing was worked out for general machinery many years ago by the Wm. Sellers Company of Philadelphia and it is a good safe rule to follow. It is a rule that is adopted by some of the largest machinery builders in the country and I mention the fact here because many of our readers are experimenting with new machines and it may come in useful.

Lubrication of Cylinder Boxes.

The lubrication of the cylinder boxes is a matter of the utmost importance. In some machines ring or chain oilers are used, thus following the practice of the builders of dynamos, fans and other high speed machinery. This system of oiling consists of a reservoir in the pedestal below the shaft, filled with oil, into which a ring or chain dips and which rests on and revolves with the shaft. The ring or chain, coming up through the oil, carries a certain amount of the oil up and spreads it on the shaft. This is a very good method of lubrication and has been proven quite successful. Another plan is to use a grease cup and hard oil. This also works well, but it requires a little more attention than the chain oiler for the reason that, as usually constructed, the compression cups are hand operated.

One of the greatest difficulties encountered in lubrication is due to running the drive belt too tight. This squeezes all the oil out from between the journal and the bearing and is the cause of many hot boxes.

In setting up a new separator the cylinder boxes, blower boxes, and all other boxes which are liable to get filled with dust or grit during a long railroad journey, should be taken apart and cleaned thoroughly. This precaution only takes a few hours' time and is sure to pay in the cool running of the boxes and the assurance one feels that everything is right.

"DON'T KICK."

A Story With a Moral.

Back in '94 a farmer bought a farm wagon in Winnipeg for \$60. It was a good farm vehicle, and the farmer was of the kind who took care of his property. The other day he came back to the same Winnipeg dealer and said he wanted to buy another wagon just like the one he got in '94. "It was a good one," he said. "That's the reason I want another. How much are you going to charge me?"

The dealer reflected a moment and then asked: "I think you paid \$60 for that wagon, didn't you?"

"That's right," said the farmer.

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