



NONWOVEN TERMS

For the informed employee

Slatted Apron

Fiber opening equipment usually has conveyors inside them for moving fiber. These conveyors are often called aprons. Aprons can be made from many materials. One method of conveyor construction is the use of canvas conveyors with wooden slats and fabric belts. The fabric belts which may be 2 inches to 3 inches wide line up with pulleys on the head and tail shafts of the machine. A solid canvas apron is attached to the belts and wooden slats are riveted through the canvas apron to the belts. This makes a strong structure that can last for many years with good care. The apron can be made endless or it may be a laced belt that is held together by hooks and pins that connect the belts.

The slats on the apron can have various shapes and spacings depending on the need. For vertical transportation of fiber, sharp pins are inserted into the slats. This type of apron is called a spiked apron. Usually a stripping roll will knock excess fiber off the spiked apron as it travels upward. Once the spiked apron has gone over the top and is starting to travel downward, it is an easy matter for a doffing roller to knock fiber off the spiked apron and into the next piece of equipment for further processing.

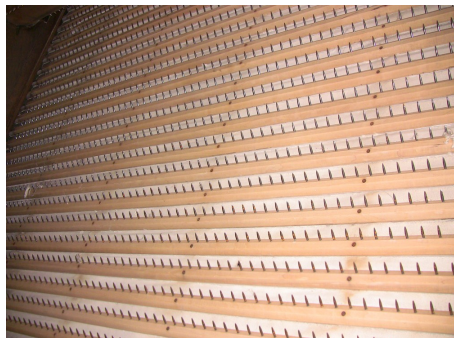
Apron with wide spacing and slats flat on one side



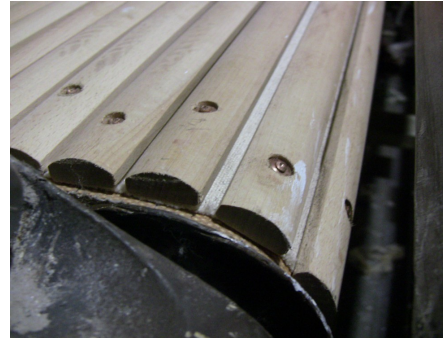
Apron with close spacing of the slats and rounded top slats



Spiked apron for vertical transport of fiber



Close-up showing slats with rivets going through the canvas and into the fabric belts under the canvas



“The ones who want to achieve and win championships motivate themselves.”

Mike Ditka

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