

On the main stream of the Petewawa, within a distance of five miles from the mouth, four single stick slides, with the necessary dams and guide booms, were built at the chutes by the Government in 1867-8.

The north branch of the stream was afterwards improved at public expense, and two large reservoir dams built at Thompson's Rapids and Cedar Lake for the purpose of retaining the waters of the chain of large lakes in the neighborhood.

The peculiar formation of the bed and banks of the river rendered these steps necessary, and it was found that the Petewawa River, in its natural state, suddenly rose to flood height in spring, and as suddenly subsided; but with the regulating dams referred to, the water is retained and the supply for the raftsmen, at the lower reaches, is so regulated and controlled as to be let off when it is most required.

An excellent quality of white and red pine is obtained from this stream, but it is only on the upper limits that this description can be obtained in large quantities. Saw-logs are also a staple article of manufacture.

Single stick driving to the boom at the mouth is the rule here.

The works on the main stream are:—

*Mouth of River.*

Retaining boom supported by 6 piers.....	Feet. 4,000
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*First Chute.*

Guide boom at head of slide, north side .....	248
" " " south " .....	541
Dam on north side of slide, 10 feet high.....	118
" south " " 10 " .....	359
Single stick slide, 6 feet wide.....	563

*Second Chute.*

Guide boom at head of slide, north side .....	332
" " " south " .....	1,169
Dam on north side of slide, 12 feet high.....	489
" south " " 10 " .....	287
Single stick slide, 6 feet wide.....	554

*Third Chute.*

Guide boom at head of slide, north side.....	243
" " " south " .....	586
Dam on north side of slide, 10 feet high.....	97
" south " " 10 " .....	101
Single stick slide, 6 feet wide.....	1,346

*Bois Dur Station.*

Flat dam .....	116
Pier dam .....	10x10x250
Single stick slide, 6 feet wide.....	250
Guide boom.....	950

ON THE NORTH BRANCH.

*Half Mile Rapids.*

Flat dam, 9 feet high x 160 feet.