

TABLE 8.—GRINDING OF TAWA AT GREAT WESTERN PAPER CO. MILL, LADYSMITH, WISCONSIN :
LOG OF GRINDER-RUNS—continued.

Date.	Shift.	Hour.	Stone Surface.*†	Duration of Grinding.	Wood.		Production.				
					Racks filled.‡	Wood ground.	Pulp Laps.			Pulp (dry).	
							Wet Weight.	Moisture Content.	Dry Weight	Per Cord.	Per 24 Hours.
GRINDER-RUN No. 3.											
1928.				Hours.		Cords.	lb.	Per Cent.	lb.	lb.	Tons.
Feb. 12 ..	1	9.30 a.m. 1.00 p.m. 3.00	B, C C								
	2	4.30 7.30 9.30	C C ..	5.5 6.5 12.0	2 4 6	.. .. 1.5	3,285 7,180 10,465	69.9 69.9 ..	985 2,160 3,145		
Loss of fibre at white-water saveall§					..	..	..	..	45		
Total yield of pulp (grinder-run No. 3)						..	..	..	3,190	2,125	2.13

* Types of burrs used were as follows : A, smooth roll used for removing old surface ; B, four-point (four teeth per inch) straight-cut burr ; C, 14-point diamond-cut burr ; D, 12-point diamond-cut burr. All burrs were new. They were used in the order indicated.
† Average pressure in cylinder, 30 lb. For other conditions see Table 7.
‡ One rack equals ¼ cord. These were the number of racks filled on each shift, and not the number of racks ground.
§ See Table 9.

TABLE 9.—GRINDING OF TAWA : SUMMARY OF WHITE-WATER AND FIBRE LOSSES IN
GRINDER-RUN No. 3.

Average Sample No.	Time.		Fibre per 1,000 Gallons.	Total Overflow during Period.	Fibre lost in White Water.
	From.	To.			
1	10.05 a.m. ..	3.23 p.m. ..	lb. 5.3	Gal. 4,340	lb. 23.0
2	3.23 p.m. ..	6.46 p.m. ..	4.5	564	2.5
3	6.46 p.m. ..	10.45 p.m. ..	4.5	4,546	20.5
Total for the run	..	..	..	9,450	45.0

TABLE 10.—COLOUR MEASUREMENTS OF TAWA MECHANICAL PULP PRODUCED FROM DISCOLOURED
HEARTWOOD BEFORE AND AFTER WASHING.

		White.	Primary Colour.		Secondary Colour.	
			Hue.	Luminosity.	Hue.	Luminosity.
		Per Cent.		Per Cent.		Per Cent.
Before washing	..	34	Orange ..	9	Red ..	0.19
After washing	..	46	Orange ..	9	None ..	..