

Machine Dressed.

No. 8. Mr. Stonyer, Kaiapoi	...	...	...	...	12.49
No. 9. Captain F. W. Hutton, Waikato	...	...	...	...	11.31
No. 10. T. S. Macfarlane, Auckland	...	...	...	...	11.81
No. 11. G. Booth, Waikoura Mills	...	...	...	...	11.81
No. 12. Riky's process	...	...	...	...	11.91
No. 13. M'Farlane & Wilson, Whakatane	...	...	...	...	11.61
No. 14. John Journeaux, Wellington	...	...	...	...	10.77

SERIES II.—Determinations of water or Hygroscopic moisture in other vegetable fibres for comparison.

					Per centage of water.
Manilla Hemp	...	...	...	...	13.22
Russian Hemp	...	...	...	...	10.47
Irish Flax	...	...	...	...	10.76
Carded Cotton	...	...	...	...	6.90
					7.56
					9.54
Flax fibre in the form of Swedish filtering paper...	...	...	...	...	8.40
					8.60

§ 3. SERIES III.—Determinations of Ash or Mineral Matter in certain samples of prepared Fibre.
(Same specimens as in series I, pages 5 and 6).

						Per centage of ash.
No. 1	...	...	...	...	...	.50
No. 2	...	...	...	...	...	.93
No. 3	...	...	...	...	...	1.50
No. 5	...	...	...	...	...	1.61
No. 6	...	...	...	...	...	1.23
No. 7	...	...	...	...	...	.73
No. 8	...	...	...	...	...	.44
No. 9	...	...	...	...	...	.59
No. 10	...	...	...	...	...	.53
No. 11	...	...	...	...	...	1.09
No. 12	...	...	...	...	...	.71
No. 13	...	...	...	...	...	.63
No. 14	...	...	...	...	...	1.08

SERIES IV.—Determination of Ash or Mineral Matters in other Vegetable Fibres for comparison.

						Per centage of ash.
Manilla Hemp	...	...	...	...	...	2.02
Russian Hemp	...	...	...	...	...	1.44
Irish Flax	...	...	...	...	...	1.23
Carded Cotton	...	...	...	...	...	.11
Swedish Filtering Paper	...	...	...	...	...	.46

Summary of the Four preceding Series of Experiments.

Phormium tenax.

						Per centages in various fibres of
						Water. Ash.
No. 1	...	...	...	...	...	12.76 .50
No. 2	...	...	...	...	...	11.87 .93
No. 3	...	...	...	...	...	11.15 1.50
No. 5	...	...	...	...	...	10.77 1.61
No. 6	...	...	...	...	...	11.05 1.23
No. 7	...	...	...	...	...	11.52 .73
No. 8	...	...	...	...	...	12.49 .44
No. 9	...	...	...	...	...	11.31 .59
No. 10	...	...	...	...	...	11.81 .53
No. 11	...	...	...	...	...	11.81 1.09
No. 12	...	...	...	...	...	11.91 .71
No. 13	...	...	...	...	...	11.61 .63
No. 14	...	...	...	...	...	10.77 1.08
Manilla Hemp	...	...	...	...	...	13.22 2.02
Russian Hemp	...	...	...	...	...	10.47 1.44
Irish Flax	...	...	...	...	...	10.76 1.23
Carded Cotton	...	...	...	...	...	7.23 .11
Swedish Filtering Paper	...	...	...	...	...	8.85 .46