The average quantity exported for the twenty years 1895 to 1914 was 8,493 tons, and the average value £499,613. The following table gives particulars of the export for the last twelve years:—

Particulars of Kauri-gum exported from New Zealand from 1907 to 31st March, 1918, inclusive.

Country to which exported.	1907.		1908.		1909.		1910.		1911.		1912.	
United States of	Tons. 5,171	£ 381,566	Tons. 2,855	£ 215,291	Tons. 5,127	£ 375,126	Tons. 4,149	£ 263,375	Tons. 3,514	£ 209,216	Tons. 3,894	£ 232,56
United Kingdom	2,468	162,121	1,799	123,011	2,290	140,235	3,253	151,319	2,378	130,767	2,468	114,64
	936	27,473	667	23,841	639	24,111		28,016		34,062		32,96
Germany Canada	53	4,512	21	1.646	24	24,111 2.555	913 66	7,687			40	3,3
• • • • • • • • • • • • • • • • • • • •				,								3,3 2,4
Australia	42	2,216	155	6,458		8,576		4,465		2,559	39	
Belgium	21	821	22	1,572	17	1,770		1,899		3,990	123	5,0
France	9	918	10	875	[85		1,656		5,774	37	3,0
Austria-Hungary			1	104	1	68		3,011	131	3,968	159	4,6
Russia		••		• •	•• [• •	15	1,976		1,859	2] 8
Netherlands	1	114		• •		••	6	133		1,206	42	97
Sweden	7	147			2	172	30	720		803	35	98
Italy		••			• • •		23	779	15	417,	15	4
Japan										25	1	5
Hong Kong	• • •									:	• • •	• •
Argentina		••						8				
Totals	8,708	579,888	5,530	372,798	8,250	552,698	8,693	465,044	7,587	395,707	7,908	401,30
Country to which exported.	1913.		1914.		1915.		1st January to 31st March, 1916.		1st April, 1916, to 31st March, 1917.		1st April, 1917, t 31st March, 1918	
United States of	Tons. 3,995	£ 308,456	Tons. 4,531	316,200	Tons. 3,312	£ 222,856	Tons. 974	£ 60,010	Tons. 3,158	£ 218,214	Tons. 2,316	£ 164,51
America United Kingdom	3,390	187,547	3,335	148,370	1,172	48,585	336	13,548	1,484	68,378	363	13,98
dermany	833	27,880	373	21,193			,.					
Canada	62	4,618	70	2,114	56	4,550	118	8,972	133	7,718	1,929	124,2'
Australia	80	3,933	19	1,720	. 8	594	5	314	29	1,982	18	1,5
Belgium	126	5,120	34	1,519						i		
France	45	3,995	42	3,599	5	430						
Austria-Hungary	112	2,617	14	329								
	53	1,725	3	225	21	2,118			50	3,440		
	0.0	2,495	8	664	i i		;;					
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Russia Netherlands	15	420										
Russia Netherlands Sweden		. 420 300	$\overline{23}$	855	1							
Russia Netherlands Sweden Italy	15 9	300		855 96							10	50
Russia Netherlands Sweden taly Japan	15	300	23			•••			8			
Russia Netherlands Sweden Italy	15 9 	300	23 1	96				••			10	50

DR. MACLAURIN'S SALT VACUUM PROCESS FOR CLEANING KAURI-GUM.

Much attention has been given during the year to Dr. Maclaurin's process of cleaning the low-grade gums. After successful laboratory tests a miniature plant with a capacity for treating half a hundredweight at a time was first constructed, and satisfactory results were obtained. I was then authorized to test the process on a commercial scale, and a plant which would deal with half a ton in a charge was installed at the Government Gum-store in Auckland

with half a ton in a charge was installed at the Government Gum-store in Auckland.

The process is known as the "vacuum salt process." The modus operandi is briefly as follows: The gum is introduced into a cone-shaped tank together with a strong solution of common salt. The contents of the tank are agitated by appropriate means and the air pumped out. On stopping the agitation the gum rises to the surface of the salt solution and the dirt sinks to the bottom. The dirt and gum are now easily separated by allowing the lower portion of the solution with the dirt in suspension to run off through a valve at the bottom of the cone into a tank, and afterwards allowing the upper portion of the solution carrying the gum to run off into a second tank. The solution carrying the dirt and that carrying the gum are filtered separately to recover the salt solution, which is used in subsequent operations. The gum is finally well washed in such a way as to remove all trace of salt, and is then dried.

The trials made proved very satisfactory, and the results obtained on the large scale were almost equally as good as those obtained in the laboratory. Much of the low grades of gum which come into Auckland from the gumfields contain anything from 25 to 50 per cent. of dirt and foreign matter. The gum is sifted in the stores, and a certain amount of the dirt removed from it before being exported. The grades known as "black chips" and "dust" are used in large quantities in the manufacture of linoleums. These chips as they are exported contain from 25 to 35 per cent. of dirt and foreign matter, and the low-grade black dust from 60 to 75 per cent. Now by Dr. Maclaurin's process this dirt and foreign matter can be practically all climinated.