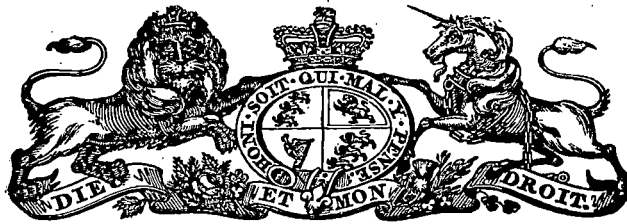


(No. 30.)



1883.

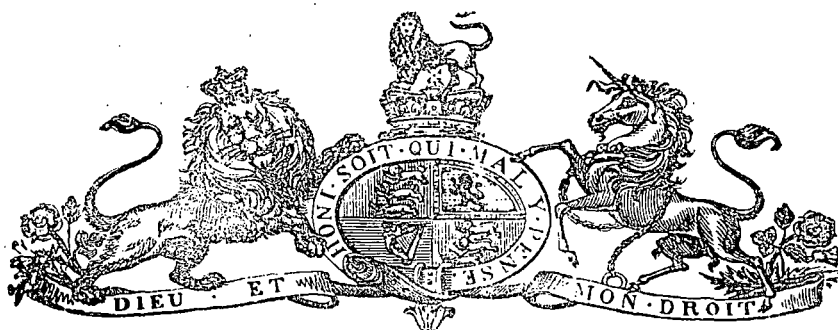
T A S M A N I A.

H O U S E O F A S S E M B L Y.

G O V E R N M E N T A N A L Y S T :

R E P O R T F O R 1882.

Laid upon the Table by the Premier, and ordered by the House to be printed,
July 24, 1883.



Government Laboratory, Hobart, 18th April, 1883.

SIR,

I HAVE the honor to submit the following Statement of the Analyses and Assays made in this Laboratory during the seven months which elapsed from the date of its completion to the end of the year 1882:—

No.	Substance examined.	Remarks.
2	Milk.	One sample contained colostrum, or "beastings," from a very recently-calved cow, and was likely to prove very injurious to health of consumer.
2	Tea.	Both were heavily "faced" green teas, very dirty; one also containing "lie tea" and foreign leaves.
1	Stomach. }	Examination for inquest case.
1	Urine. }	
1	Medicine.	
1	Hop Bitters.	Ditto. A large number of comparative experiments were required.
1	Teetotal drink.	Amount of alcohol determined for Collector of Customs.
1	Kerosene.	So-called wine; satisfactory in containing no appreciable quantity of alcohol.
1	Chemise.	Contract oil, examined for Colonial Storekeeper.
31	Tin ore, (dressed).	Examination for criminal case.
32	Tin ore, (raw).	Several samples in dispute examined.
2	Ditto.	Ditto.
2	Tin, metallic.	Full analyses.
16	Rock, for gold.	One sample had been mistaken by prospectors for native lead, but was shown to be tin derived from their implements; the other was found to contain much lead, proving that it was not obtained as stated, the ore from which it was said to have been extracted being free from that metal.
1	Rock, for silver.	Gold was present in only one instance; three samples were tested in the "Eldorado Salting Case."
3	Water.	None present.
3	Bark.	One sample of the Swansea mineral water.
2	Typha Latifolia.	Comparative experiments on black and silver wattle barks, and as to suitability of another native bark for tanners' use.
2	Roofing-slate.	Material to stuff mattresses for saving life at sea.
2	Asbestos.	Properties of English and American slates compared (for Clerk of Works.)
2	Coal.	Native and foreign specimens compared; results communicated to Royal Society.
1	Soil.	One sample of good quality from East Coast.
1	Fossil resin.	
1	Iron ore.	
3	Guano.	
1	Tourmaline.	
1	Iron pyrites.	
1	Copper pyrites.	

In the majority of cases the examinations were made in duplicate to ensure the accuracy of the results, which, although in many instances purely negative, more especially where the presence of gold or tin was suspected, were yet useful in causing the stoppage of further unproductive expenditure, and in one case in preventing costly litigation.

I have the honor to be,

Sir,

Your obedient Servant,

W. F. WARD, *Government Analyst.*

The Hon. the Chief Secretary.