

# Supplement to Government Gazette

OF

WESTERN AUSTRALIA.

[Published by Authority.]

No. 26.  
P.O. No. 18. }

PERTH: FRIDAY, MAY 1.

[1903.]

## CONTENTS:

SUBJECT.	PAGE	SUBJECT.	PAGE
Complete Specifications accepted ... ..	1005	Alphabetical list of Patentees ... ..	1007
Renewal Fees paid, Patents ... ..	1006	Alphabetical list of Inventions for which Patents have been granted ... ..	1008
Application Abandoned, Patents ... ..	1006	Applications for Registration of Trade Marks... ..	1008
Provisional Specifications accepted ... ..	1006	Application withdrawn, Trade Mark ... ..	1010
Applications for Patents ... ..	1006	Alphabetical list of Registrants of Trade Marks ... ..	1011
Alphabetical list of Applicants for Patents ... ..	1007	Alphabetical list of Goods for which Trade Marks have been registered ... ..	1011
Alphabetical list of Inventions for which Patents have been applied for ... ..	1007		

*Note.*—Throughout this *Gazette* the names in *Italics* within parentheses are those of Communicators of Inventions.

### Complete Specifications.

*Patent Office, Perth,  
1st May, 1903.*

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been accepted, and are now open to public inspection at this Office.

Any person or persons intending to oppose such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the date of this *Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 4351.—JOKICHI TAKAMINE, of 1611 Amsterdam Avenue, New York, U.S.A., Chemist, "*Glandular Extractive Product and process of preparing the same.*"—Dated 31st March, 1903.

*Claims:—*

1. The herein-described process of obtaining the active principle of suprarenal glands, which consists in treating said glands in the manner herein set forth.
2. The herein-described process of obtaining the active principle of suprarenal glands, which consists in making a fluid extract of said glands, treating said fluid extract with a precipitant for non-active bodies, removing said precipitated bodies, then treating the residue with a solvent, and adding a neutralising agent for the solvent to separate the said active principle therefrom in crystalline form.
3. The herein described process of obtaining the active principle of suprarenal glands, which consists in making an aqueous extract of said glands, precipitating from said extract non-active bodies, removing said precipitate, then treating the remainder with a solvent, and adding a neutralising agent for the solvent to separate said active principle therefrom in crystalline form, said process being performed in a non-oxidising atmosphere.
4. The herein-described process of obtaining the active principle of suprarenal glands, which consists in making an aqueous extract of said glands, concentrating said extract to suitable strength, adding alcohol to precipitate non-active albumenoid and mineral matters, removing said precipitate, concentrating the liquid, adding to said liquid fixed caustic alkali, then adding a neutralising agent to precipitate the said active principle in crystalline form, washing the precipitate with a suitable liquid, and drying the product, all substantially as described.
5. The herein-described process of obtaining the active principle of suprarenal glands, which consists in concentrating an aqueous solution of fresh suprarenal glands, adding alcohol to said solution to precipitate therefrom inert albumenoids and mineral matters, evaporating the alcohol and water so as to further concentrate the liquid, then adding a solution of fixed caustic alkali and ammonium chloride so as to precipitate said active principle in crystalline form, washing the precipitate with suitable liquid, and drying the same, all substantially as set forth.
6. The herein-described process of obtaining the active principle of suprarenal glands, which consists in steeping in water comminuted suprarenal glands at a suitable temperature for a suitable number of hours; separating the soluble matter by filtration and pressing; evaporating the filtrate to such consistency that inert albumenoid and mineral salts will crystallise out on addition of a suitable amount of alcohol, adding a suitable amount of alcohol to precipitate the maximum amount of inert albumenoid and mineral matters, evaporating off the alcohol and further evaporating the liquid to a suitable strength; adding a solution of fixed caustic alkali, then adding ammonium chloride in quantity sufficient to counteract the excess of caustic alkali, and allowing the solution to precipitate said active principle in crystalline form, separating the crystalline precipitate, washing with water and alcohol, and drying the product, all substantially as described.

7. The herein-described process of obtaining the active principle of suprarenal glands, which consists in steeping in water comminuted suprarenal glands at a suitable temperature for a suitable number of hours; separating the soluble matter by filtration and pressing; evaporating the filtrate to such consistency that inert albumenoid and mineral salts will crystallise out on addition of a suitable amount of alcohol, adding a suitable amount of alcohol to precipitate the maximum amount of inert albumenoid and mineral matters, distilling off the alcohol and further evaporating the liquid to a suitable strength, adding a solution of fixed caustic alkali to dissolve the said active principle, and adding a neutralising agent to counteract the excess of fixed caustic alkali and precipitate the said active principle in a crystalline form, until no further precipitate is formed, washing the precipitate with water and alcohol, and drying the product, and then re-dissolving this crystalline product in a non-neutral solution, adding alcohol to precipitate mineral salts, filtering, and adding a neutralising agent to reprecipitate the said active principle, all substantially as described.

8. The process of refining the herein-described active principle of suprarenal glands, which consists in dissolving said active principle in dilute acetic acid, adding strong alcohol to precipitate mineral salts present, filtering the liquid, and adding thereto caustic ammonia to precipitate the active principle in purer form, washing the precipitate with water and alcohol, and drying same, all substantially as set forth.

9. The process of refining the herein-described active principle of suprarenal glands, which consists in dissolving the said active principle in a non-neutral solution, filtering, then treating the solution with a neutralising agent to precipitate the said active principle in a crystalline form; filtering, washing with water and alcohol, and drying, all substantially as described.

10. The process of preparing the herein-described active principle of suprarenal glands, which consists in treating said glands with alcohol; or a mixture of alcohols, or with acetone; or a mixture of alcohol and acetone; or with a mixture of alcohol, acetone and ether, whether acidulated or non-acidulated; then treating the extract so obtained with a precipitant for the said active principle whereby said active principle is obtained in a pure crystalline form.

11. The herein-described product, consisting of the active principle of suprarenal capsules or glands, having a white colour, solid and crystalline in form.

12. The herein-described product, consisting of the active principle of suprarenal capsules or glands, having a white, solid and crystalline form, and possessing hemostatic, astringent and reducing properties, difficultly soluble in water and soluble in acid and alkaline solutions, and having a basic or alkaline reaction.

13. The product, consisting of the active principle of suprarenal capsules or glands in basic form, and in a white, solid and crystalline condition, difficultly soluble in water, soluble in acid and alkaline solutions, possessing hemostatic, astringent and reducing properties, producing a characteristic green reaction with ferric salt, and a red colouration with iodine water, all substantially as set forth.

14. The herein-described crystalline salt of the active principle of suprarenal glands, consisting of a chemical compound of an acid and said active principle, said salt possessing the chemical and physiological properties of said active principle.

Specification, 16s.

Application No. 4369.—VACUUM TIN SYNDICATE, LIMITED, of Shannon Court, Bristol, England (Assignee of William Edward Watts Cates), "*Improvements in Apparatus for exhausting the air from Cans and other receptacles adapted to be hermetically closed.*"—Dated 8th April, 1903.

*Claims:—*

1. Apparatus for exhausting the air from cans and other receptacles which after exhaustion are closed by a lid held down by atmospheric pressure, comprising a receiver or bell for enclosing the can or receptacle to be exhausted, a normally closed valve mounted on the receiver and adapted to open it to the atmosphere, a table or support on which the can and receiver rest during the exhausting operation, an exhaust or vacuum cylinder communicating with the receiver through the table or support, and means controlled by a single operating lever for lower-



# Government Gazette

---

PERTH, FRIDAY, 1 MAY 1903 No. 26a

---

© STATE OF WESTERN AUSTRALIA

## CONTENTS

Application for the Grant of Letters Patent