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

Complete Specifications.

Patent Office, Perth,
21st February, 1902

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 any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objection thereto, within two calendar months from the first appearance of this advertisement in the Western Australian Government Gazette. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 3358.—ARTHUR JOHN CUMING, of Pitt Street, Sydney, in the State of New South Wales, Engineer, "*Improvements in means and apparatus for branding animals, and in lam. stoves usable therewith.*"
—Dated 10th April, 1901.

Claims:—

1. In branding apparatus comprising an oil reservoir, a vapour burner, and a die heated directly or indirectly by the flame from such burner, the combination of a curved vessel such as H forming an oil reservoir and acting as a heat shield; a handle L formed hollow to convey oil to the burner, and oil connections to said handle from the oil reservoir, all constructed substantially as described.
2. In branding apparatus comprising an oil reservoir, a vapour burner, and a die heated directly or indirectly by the flame from such burner, the combination from the hollow handle L and goose neck M with pipe connections N, stop cock O, and syphon P for conveying oil to the burner from the oil chamber, which latter is disposed to act as a heat shield; all constructed substantially as described.
3. In apparatus of the class herein described, the combination of the oil reservoir H, hollow handle L, the syphon P, the connections therefrom to said hollow handle L, the goose neck M, the burner G, the spider brackets E, and the die A mounted either direct on said spider brackets or upon a heating plate carried thereby, said parts being constructed as and disposed in the relations to one another substantially herein described.
4. In branding apparatus comprising an oil reservoir, a vapour burner, and a die heated directly or indirectly by the flame from such burner, the combination with the oil reservoir and pipe connections of considerable capacity between the same and the burner, of a stop cock between said oil chamber and said connections whereby the oil chamber may be cut off from said connections whilst being refilled, the supply of oil in such connections being meantime sufficient to maintain the burner in action, substantially as described.
5. In branding apparatus comprising an oil reservoir, a vapour burner, and a die heated directly or indirectly by the flame from such burner, the combination with the oil chamber of a syphon oil feed pipe whose legs are approximately parallel with the main pipe connection to the burner, when by oil is permanently retained in the pipe connections between the oil chamber and the burner so that the burner will continue to be fed with oil if the brand should be held or set down in an abnormal position, substantially as described.
6. In a portable lamp stove usable in connection with a brand, the combination of closed oil reservoir, syphon, draw-off connections of large capacity between said syphon and said burner, a stop-cock or valve between said connections and said syphon, a filling neck on the oil reservoir, and a pump therewith for generating initial pressure to atomise oil in the burner, substantially as described.
7. The herein-described improvement in branding animals wherein a brand is made by conveying to the hide or skin of the animal a hot fluid depilatory which is contained in the solid form in a warming pot

whereof the front side consists of wire gauze behind a perforated die face with projections therefrom adapted to penetrate between the wool or hair and touch the hide or skin, substantially as described.

8. The herein-described improvement in branding animals wherein a brand is made by conveying to the hide or skin of the animal hot fluid colouring matter which is contained in the solid form in a warming pot whereof the front side consists of wire gauze behind a perforated die face with projections therefrom adapted to penetrate between the wool or hair and touch the hide or skin.

9. The improved means hereinbefore described for branding animals consisting in a depilatory or colouring composition, means for warming the same in a portable pot or pan with gauze wire front end forming part of the branding apparatus, and a perforated branding face on said pot or pan on the outer part of which branding face the symbols are formed by tooth projections which alternate with said perforations and convey the heat-liquified depilatory or depilatory and colouring matter to the skin or hide of the animal.

10. The herein described improvement in branding animals, wherein a brand is made by conveying to the hide or skin of the animal hot fluid colouring matter which is contained in the solid form in a warming pot whereof the front side consists of a perforated die face backed with wire gauze and armed with projections alternating with the perforations, adapted to penetrate between the wool or hair and touch the hide or skin.

11. The improved means and apparatus hereinbefore described for branding animals consisting in a colouring composition, means for warming the same in a portable pot or pan forming part of the branding apparatus, and a perforated branding face on said pot or pan backed with wire gauze on which branding face the symbols are formed by tooth projections alternating with said perforations which projections convey the said colouring matter on to and among the hair and wool of the animal whereon it will become fixed upon cooling.

12. The herein described construction of branding face consisting of a front end plate to a heating chamber wherein the branding material is melted and made fluid, said plate being backed with wire gauze and perforated and symbols formed thereon with comb-like plates alternating with lines of perforations.

13. The herein described construction of comb-like face for a branding apparatus of the class set forth, wherein the branding tines are forked and twisted so as to better convey and retain the branding material.

14. A depilatory composition usable with a branding apparatus of the kind described, compounded by boiling approximately equal parts of sulphide of soda, slaked lime, rosin, and linseed oil, substantially as described.

15. A colouring composition usable with branding apparatus of the kind described, compounded by boiling approximately equal parts of resin, linseed oil, and colouring matter, substantially as described.

16. In a lamp stove usable in connection with a branding appliance, the combination of a vapour or spray burner, an oil reservoir, pipe connections of large capacity between the oil reservoir and the burner, and a stop cock or valve between said reservoir and connection; whereby a sufficiency of oil is stored in said connections to serve the burner whilst the oil reservoir is periodically replenished, substantially as described.

17. The herein described brand, consisting of a base or body portion adapted to retain heat and a branding face formed thereon with pin or tooth projections adapted to pick up depilatory or colouring matter and to convey the same through the wool and hair and on to the skin or hide of an animal, substantially as described.

Specifications, 17s. 6d. Drawings on application.

Application No. 3580.—WILFLEY ORE CONCENTRATOR SYNDICATE, LIMITED (Assignee of Arthur Redman Wilfley), of 7-11 Moorgate Street, London, in the County of Middlesex, England, "*Improvements in Ore Concentrators.*"—Dated 11th March, 1901.

Claims:—

1. In ore concentrators the combination of a table and a supporting frame therefor, the table being provided with a pair of half round iron or other metal bars adapted to run in a pair of angle irons or guides secured to the supporting frame, substantially as and for the purpose specified.



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