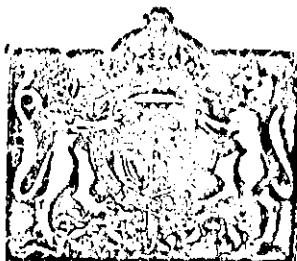


D.E. 61
1507

REPORT OF THE COMMISSIONER ON LEATHER AND LEATHER GOODS



GOVERNMENT OF INDIA
MINISTRY OF INDUSTARY & SUPPLY
1947

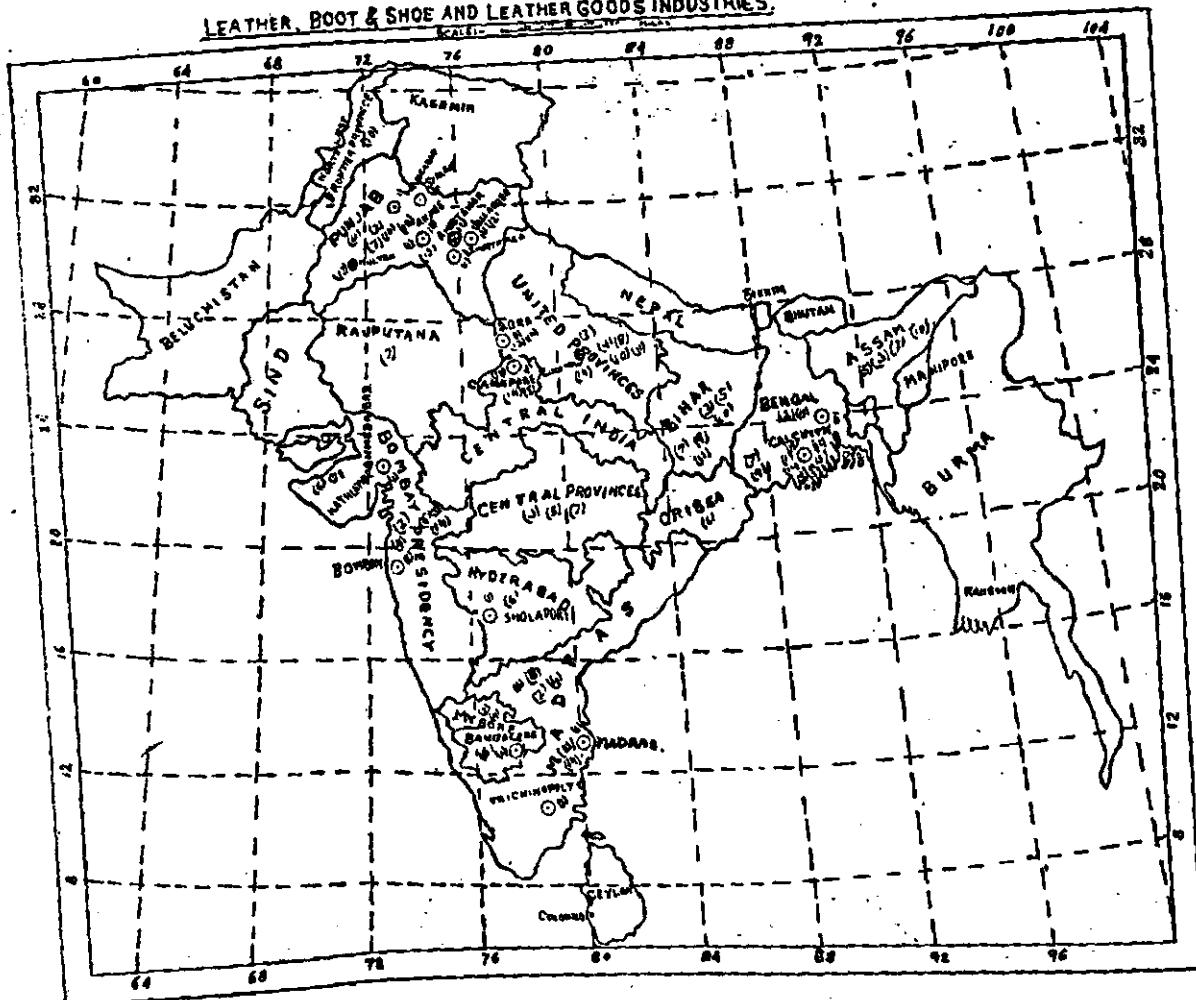
PUBLISHED BY THE MANAGER OF PUBLICATIONS, DELHI
PRINTED BY THE MANAGER GOVERNMENT OF INDIA PRESS, NEW DELHI

Price Rs. 1.40 or 6/-

INDIA

IN RELATION TO

LEATHER, BOOT & SHOE AND LEATHER GOODS INDUSTRIES.



REFERENCES

- 1 SEATS OF ORGANIZED TANNERIES ○ CALCUTTA AGRA CAUPORE Agra JALANDHAR LAHORE WABIBRAGH SIALKOT KAPURTHALA BOMBAY SHILAPUR DARRANG TRICHINOPOLY MADRAS
- 2 PROVINCES WHERE PIT TANNED SOLE LEATHER IS ALREADY DONE PUNJAB UNITED PROVINCES BENGAL MADRAS MYSORE BOMBAY
- 3 PROVINCES RECOMMENDED FOR STARTING MANUFACTURE OF PIT TANNED SOLE LEATHER BIHAR ASIAN CENTRAL PROVINCES
- 4 PROVINCES WHERE MANUFACTURE OF CHROME TANNED BOX SIDES IS ALREADY DONE PUNJAB UNITED PROVINCES BENGAL MADRAS MYSORE BOMBAY
- 5 PROVINCES RECOMMENDED FOR STARTING MANUFACTURE OF CHROME TANNED BOX SIDES CENTRAL PROVINCE BIHAR ASIAN
- 6 PROVINCES WHERE B.I. TANNING IS DONE MADRAS ORISSA BOMBAY MYSORE HYDERABAD KATHIAWAR
- 7 PROVINCES RECOMMENDED FOR STARTING MANUFACTURE OF E.J. TANNED HIDES & SKINS PUNJAB BENGAL ASIAN CENTRAL PROVINCES RAJPUTANA KATHIAWAR
- 8 PROVINCES WHERE MANUFACTURE OF GLAEDKID IS ALREADY DONE MADRAS UNITED PROVINCES
- 9 PROVINCES RECOMMENDED FOR TAKING UP MANUFACTURE OF GLAEDKID BIHAR BENGAL BOMBAY
- 10 PROVINCES WHERE GOOD QUALITY BUFFALO HIDES ARE AVAILABLE NORTHWEST FRONTIER PUNJAB PUNJAB UNITED PROVINCES BENGAL ASSAM
- 11 PROVINCES WHERE BEST QUALITY CATTLE HIDES FOR CHROME TANNING ARE AVAILABLE UNITED PROVINCES BIHAR
- 12 PRINCIPAL CENTRES OF BAD TANNING JULLANDHAR AMRITSAR LAHORE MURSHIDABAD CALCUTTA MADRAS
- 13 PRESENT PRINCIPAL CENTRES OF MAKING MADE SHOES CAUPORE AGRA LAHORE CALCUTTA MADRAS
- 14 PRESENT PRINCIPAL CENTRES OF COMMERCIAL SHOE MANUFACTURE MOSTLY HANDMADE CALCUTTA AGRA CAUPORE LUCKNOW LAHORE BOMBAY MADRAS
- 15 PRESENT PRINCIPAL CENTRES OF LEATHER GOODS MANUFACTURE } BOMBAY CALCUTTA CAUPORE
- 16 THATIS LADIES HAND BAGS PURSES & TRAVEL GOODS }

CONTENTS

	Paras.
CHAPTER I.—INTRODUCTION—	
Constitution of the Panel (Paras. 1—2)—Preliminary Report of the late Mr. S. Datta (Para. 3)—Panel meetings—contacting the industries (para. 4) Visits to Industrial Concerns (Para. 5)	1—6
CHAPTER II.—BACKGROUND.—	
The Indian leather industry (Paras. 7—11)—Introduction of western processes and machinery (paras. 12—15)	7—15
CHAPTER III.—INDIA'S RESOURCES OF RAW HIDES AND SKINS.—	
Resources (Paras. 16—19)—Characteristics of Indian hides & skins (paras. 20—27)—Defects of Indian hides & skins (paras 28—29a)—Import (para. 30)—Export (Paras. 31—38)—Curing and preservation (para. 39)	16—40
CHAPTER IV.—VEGETABLE TANNING MATERIALS.—	
Babul (para. 41)—Avaram (Paras. 42—43)—Wattle bark (paras. 44—46)—Sumach (para. 47)—Tanning extracts (paras. 48—49)—Synthetic tannins (para. 50)	41—51
CHAPTER V.—THE INDIAN TANNING INDUSTRY.—	
Sections of the industry (paras 52—53)—Vegetable tanning : Bag tanned leather (paras. 54—57)—East India tanned Kips and skins (Paras. 58—72)—Pit tanned sole leather (paras. 73—77)—Pit tanned harness leather (paras. 78—81)—Belting leather (para 82)—Pit tanned dressing leather (para. 105)—Pit tanned light leather (paras. 106—107)—Enamelled hide (para. 116)—Roller skins (paras. 122—123)	
Chrome tanning : Box and willow sides, kips and calf (paras. 83—89)—Glazed kid (paras. 90—103)—chrome suede and imitation sambar (paras. 108—110)—Neobuck leather (paras. 111—112)—Chrome patent leather (paras. 113—115)—Chrome picking bands (para. 117—121)—Pre-war and planned disposal of our hides and skins resources (para. 123a)	52—123
CHAPTER VI.—TECHNICAL TRAINING AND RESEARCH.—	
Existing training institutes (paras. 124—128)—Tanning demonstration parties (para. 125)—Importance of training in leather technology (paras 120—131)—Research in leather technology (paras. 133—135)	124—135
CHAPTER VII.—THE LEATHER FOOTWEAR INDUSTRY.—	
Characteristics of the Indian leather foot-wear industry (para. 136)—Indigenous types of footwear (137—139)—Western types of foot-wear (paras 140—141)—Need for mechanisation (paras. 142—144)—Training in shoe craft (paras. 145—147)	136—148
CHAPTER VIII.—THE LEATHER GOODS INDUSTRY.—	
Civilian leather goods: Travel goods (paras. 150—153)—Ladies' hand bags (paras. 154—158)—Small leather goods (paras. 159—160)—Civilian harness and saddlery (para.161)—Leathersports goods (paras. 162—165)	
Industrial leather goods: Leather machine belting (paras. 166—170)—Picker (paras 171—173) Buffers and tuggers (paras. 174—175)—Martingale straps and belt laces (paras. 176—177)—Pump bucket, U rings, etc. (Paras. 178—179)—Railway leather stores (paras. 180—182)—Military Leather Stores (paras. 183—185)	149—185
CHAPTER IX.—BY-PRODUCTS INDUSTRIES.—	
Glue industry (paras. 187—188)—Leather board industry (paras. 189—190)	186—190
CHAPTER X.—ANCILLARY INDUSTRIES.—	
Leather trades machinery (paras. 191—194)—Leather trades treatment materials (paras. 195—197)—Last making (paras 198—201)—Shoe grindery (paras 202—204)	191—204
CHAPTER XI.—PROPOSALS FOR A DEPARTMENT OF LEATHER INDUSTRIES AND A LEATHER INDUSTRIES COUNCIL.	
Function of the Department (para. 206)—Constitution of the Department (para. 207)	
Constitution of the Council (para. 208)—Function of the Council (para. 209)	205—209

	paras.
CHAPTER XII.—ANSWERS TO THE GENERAL DIRECTIVE.—	210—211
CHAPTER XIII.—MATERIALS AND PERSONNEL BUDGETS.—	
Hides and Skins budget (para. 213)—Position of buffalo hides (paras 214—215)	
—Position of cow hides (paras. 216—217)—Tanning Materials Budget (para.	
218)—Machinery Budget (Para. 219)—Personnel Budget (Para. 220)	212—220
<i>Appendix to Chapter XIII.</i>	
Statement No. 1.—Production Targets	
Statement No. 2.—Materials Budget—Hides and Skins	
Statement No. 3.—Materials Budget—Tanning industry	
Statement No. 4.—Materials Budget—Footwear and Other Leather Goods Industries	
Statement No. 5.—Machinery Budget	
Statement No. 6.—Personnel Budget—Total requirements	
Statement No. 7.—Personnel Budget—Annual requirements	
CHAPTER XIV.—DELEGATION OF TECHNICIANS AND BUSINESSMEN TO GERMANY AND JAPAN—	
Technical delegation to Germany (Paras. 221—223)—Training Indian technical scholars in Germany (Para. 224)—Technical delegation to Japan (Paras. 225—226)—Delegation of businessmen (paras. 227—228)	221—228
APPENDICES.	
Appendix I : General Directive issued by the Planning and Development Department	
Appendix II : List of firms visited by the Panel	
Appendix III : Distribution of population of <i>chamars</i> and <i>mochis</i> in British India & Indian States	
Appendix IV : The capacity of the Controlled Tanneries	
Appendix V : A scheme for the establishment of a Central Leather Research Institute	
Appendix VI : List of principal machinery to be imported, with current quotations	

SUMMARY OF RECOMMENDATIONS

1. Indian raw hides and skins (para. 40)..

2. Vegetable tanning materials (para. 51).

3. The Indian tanning industry.

Vegetable tanning.—Bag tanning (para. 57)—East India tanned kips and skins (para. 72)—pit tanned sole leather (para. 77) —Pittanned harness leather (para 81)—Belting leather (para 82)—Pit tanned dressing leather (para 105)—Pit tanned light leather (para. 107)—Enamelled hide (para. 116)—Rollerskins (para. 122).

Chrome tanning.—Box and willow sides, kips and calf (para. 89)—Glazed kid (para. 103)—Chrome suede and imitation sambar (para. 110)—Neobuck leather (para 112)—Chrome patent leather (para 115)—Chrome picking bands (para. 121).

4. Technical Training and Research.

Training in leather technology (para. 132)—Research (para. 135).

5. The Leather Footwear Industry (para. 148).

6. The Leather Goods Industry.

Travel goods (para. 153)—Ladies' hand bags (para. 158)—Small leather goods (para. 160)—Civilian harness and saddlery (para. 161)—Leathersports goods (para. 165)—Leather machine belting (para 170)—Picker (para. 173)—Buffers and tuggers (para. 175)—Martingale straps and belt laces (para 177)—Pump buckets, U rings, etc. (para. 179)—Railway leather stores (para. 182)—Military leather stores (para. 185).

7. By-Products Industries.

Glue industry (para. 188)—Leather board industry (para. 190).

8. Ancillary Industries.

Leather trades machinery (para. 194).

Leather trades treatment materials (para. 197).

Last making (para. 211)—Shoe grindery (para. 204).

9. Department of Leather Industries and Leather Industries Council.

Function and constitution of the Department (paras. 206—207).

Function and constitution of the Council (paras. 208—209).

10. Answers to the General Directive (Para. 211).

11. Delegation of technicians and businessmen to Germany and Japan.

Technical delegation to Germany (para. 223)—Training Indian scholars in Germany (para. 224)—Technical delegation to Japan (para. 226)—Business delegation (para. 228).