

A MONOGRAPH
ON
COTTON FABRICS
PRODUCED IN THE
North-Western Provinces and Oudh.

BY
C. A. SILBERRAD, B.A., B.Sc., I.C.S.

Published by Authority.



M71.2528

C8

7457

ALLAHABAD:
North-Western Provinces and Oudh Government Press.

1898.

9(M71).2528

C8

017457

PRICE, RS. 2-4-0 (3s. 0d.)

A MONOGRAPH
ON
COTTON FABRICS
PRODUCED IN THE
North-Western Provinces and Oudh

Chananjayarao Gadgil Library



GIPE-PUNE-017457

BY
C. A. SILBERRAD, B.A., B.Sc., I.C.S.

Published by Authority.



ALLAHABAD:
North-Western Provinces and Oudh Government Press.
1898.

P R E F A C E.

THIS report was prepared in accordance with G. O. No. ³⁰⁹⁸
~~1-73B-5~~,
dated 24th August 1896.

In accordance with this order a list of questions was drawn up and circulated to all districts. In each a special officer was deputed to write a report on the lines of the questions respecting his own district, which reports were then submitted to me. These reports, together with the result of personal inquiries in the Etawah, Lucknow, Fyzabad, Bijnor, Bareilly, Agra, Saharanpur, Muzaffarnagar, Aligarh and Farukhabad districts, have formed the material whence this report is compiled. Of the district reports those from Agra (by Munshi Muhammad Abdul Majid Khan), Aligarh (by Babu Jwala Parshad), Azamgarh (by Pandit Rama Smaran Lal), Fatehpur (by Mr. C. H. A. Emile), Garhwali (by Pandit Dharmanand Joshi), Mirzapur (by Mr. E. E. Tiernan), Naini Tal (by Mr. W. B. Cockburn), Rae Bareli (by Mr. A. C. Wiseman), and Sitapur (by Mr. G. R. Dampier, I.C.S.) were the best, and contained much interesting and valuable information. Useful reports were also received from Bareilly, Basti, Etah, Fyzabad, Mainpuri, Partabgarh and Saharanpur.

In conclusion, I must state that previous to writing this report I had no greater knowledge of textile fabrics than was obtainable from books : those to which I have referred will be found mentioned in the body of the report.

CHAS. A. SILBERRAD, B.A., B.Sc., I.C.S.

ETAWAH:
The 18th June 1897. }

TABLE OF CONTENTS.

CHAPTER I.

TRADITIONS AS TO THE ORIGIN OF THE ART OF WEAVING AND OF THE COTTON PLANT.

	Page.
Origin of <i>jaldhas</i> : origin of <i>koris</i> : customs and ceremonies connected with growing and picking cotton ...	1

CHAPTER II.

COTTON.

Production of cotton: varieties: cotton seed: qualities of cotton from different districts: <i>semal</i> or silk cotton: <i>maddr</i> or <i>akava</i>	3
---	---

CHAPTER III.

GINNING.

Description of gin: cost of gin and of ginning ...	6
--	---

CHAPTER IV.

COTTON CLEANING.

The <i>dhuna</i> : description of instruments used: cost of cleaning: <i>púnis</i> and <i>gálás</i>	8
---	---

CHAPTER V.

SPINNING.

The spinning-wheel: spinning: skein-winders and winding: <i>khatpatias</i> : wages for spinning ...	11
---	----

CHAPTER VI.

WARPING.

Winding the skein on <i>náls</i> and <i>nálls</i> : the <i>pariya</i> : starching: the <i>mánjhá</i> , <i>psikarna</i> : the <i>jatir</i> or <i>punhar</i> : warp stripes ...	13
---	----

CHAPTER VII.

WEAVING.

The loom and its component parts: weaving: primitive method of <i>sát</i> -weaving used in Sítapur: <i>níwár</i> weaving: <i>dári</i> weaving: carpet weaving ...	17
---	----

CHAPTER VIII.

FABRICS.

Processes used to produce patterns: plain woven uncoloured materials: plain woven coloured materials: patterns involving the use of more than one pair of heddles: design and weave plan of certain fabrics: <i>jámdáni</i> , <i>chíkás</i> and <i>kámdáni</i> : hemp cloth: <i>kapádi</i>	26
--	----

CHAPTER IX.

BLEACHING OF COTTON FABRICS.

Processes used in bleaching: the <i>soapunt</i>	35
---	----

(2)

CHAPTER X.

DYEING OF COTTON FABRICS.

	Page.
Indigo: safflower: turmeric: pomegranate-rind: <i>āl</i> (<i>morinda citrifolia</i>): myrobalan: <i>májuphal</i> (<i>querqus infectoria</i>): <i>babúl</i> (<i>acacia arabica</i>): <i>kath</i> (<i>acacia catechu</i>): <i>paṭang</i> or <i>bakam</i> (<i>cassia spinosa sappan</i>): <i>tún</i> (<i>cedrela toona</i>): <i>harsinghár</i> (<i>nyctanthes arbor-tristis</i>): <i>dhák parás</i> or <i>tesú</i> (<i>butes frondosa</i>): cotton flowers: <i>arúea</i> (<i>adhatooda vasica</i>): <i>majith</i> (<i>rubra cordifolia</i>): <i>pípal</i> (<i>ficus religiosa</i>): <i>chúnri</i> and bandanna	85

CHAPTER XI.

PRINTING OF COTTON FABRICS.

Preparation of the material: stamps: gum: printing in black, red, indigo, green, yellow, buff, brown: application of metal, mica and tinfoil, gold and silver leaf, pieces of mirror, orpiment and cinnabar: subsequent treatment of printed fabrics: burnishing: compound printing: articles printed	41
---	----

CHAPTER XII.

GENERAL STATE OF THE SPINNING AND WEAVING INDUSTRY: - COMPARATIVE PRICES, &c.

Depression of hand spinning: hand weaving: decline of better class hand work: the hand industry in country districts: chief centres of the industry: decline in Rae Bareli and Mirzapur: spinning in Naini Tal and Garhwál: castes engaged in weaving: prices	45
---	----

N.R.—1 seer = 16 chhitaks = 80 totals = 2lbs. approximately (14,400 grs.).

INDEX AND GLOSSARY.

(Only those words are explained of which the meanings are not clear from the text.)

A.	Page.	Page.	Page.	Page.	
Abhair	18	Bhágapuri	28	Cotton, nankin	5
Abírī	36	Bhanjhf	19	———seed	6
Abrak	48	Bhanare	65	———silk	6
Aescia Arabica	39, 42	Bharnf	20	———varieties	4
——catechu	39, 42	Bhilmf	29	Curouma longa	38
Adam	1	Bhogaldai	3	Curoumin	ib.
Adda	17	Bhutiya	29	Cyperus scaricosus	41
Addhi	28	Bijnor	43		
Adhstoda vasica	37, 40	Binola	6	D.	
Adhotar	27	Bleaching	85	Dalbergia sisu	41
Agra	25	Bombax Malabaricum,	8	Dam	18, 25
Agrai	39	Botí	39	Dánda	14
Akaúsa	6	Boula	18	Darab	28
Al	39, 42	Brazilin	40	Darheri	18
Amrasí	38	Bulbulchashm	29	Dari	24
Andea	12	Butea frondosa	45, 40	Deokapás	5
Anogeissus latifolia	42			Des	4
Angúrif	37	C.		Dení	ib.
Arastu ate rasúl	2	Cesalpinia zappan	40	Dhák	37, 40
Arha	29	Calotropis Gigantea	6	Dhalki	20
Arúsa	37, 40	Cannabis sativa	34	Dhandar	29
Kémanf	36	Carpet weaving	25, 46	Dhání	36
Atbanna	19	Carthamin	37	Dhanneya	20
Ateran	12	Carthamus tinctoria	ib.	Dhanus	9
Attí	ib.	Cassia tora	36	Dhanú	9
		Catechu	39	Dhanukñi	9
B.		Cedrela toona	40	Dharta	10
Babúl	39	Chadar	27	Dhau ká gond (see	
Babúl ká gond	42	Chairáhí	37	Dho ká gond)	42
Bachia	33	Chak	18	Dhan ká phúl	39
Badámf	38, 43	Chakdor	38.	Dhibrí	12
Bahera	41	Champai	38	Dhirkí	20
Bai	18	Chamrákh	11	Dho ká gond	42
Bai ká bans	25	Chán	17	Dhotar	27
Baijní	36	Chandáha	28	Dhoti	27, 46
Baisar	18	Charedás	4	Dhuna	8
Bakam	40	Charháo	24	Dhankí	9
Balchhar	41	Charkha (spinning-		Dhunna	8, 11
Ballan	18	wheel)	11	Dhúpan	29
Béna	10	———(skein winder),	13	Dobra	28
Bandáni	37	Chárkhána	29	Doga	45
Bandanna	41	Charkhi	7	Dom	47
Banía, the trader or merchant class	6	Chartírya	5	Domarga	28
Bani-ruhiya	5	Chauthai	29, 31	Doris	29
Bareilly	43, 47	Chhápa	41	Doridár dosuti	ib.
Bartela	19	Chhipí	45	Dosuti	ib.
Basantí	38, 40	Chhuja	13	Dotahí	ib.
Battu,	29	Chhunchha	ib.	Dúdhia khákí	39
Behna	8	Chhunchhí	ib.	Dunga	14
Belan (roller of gin)	7	Chikan	33	Dupatta	72
——(part of dhunki),	10	Chol	42	Dutakia	14
——(part of heddles),	18	Chúnrf	40	Dyeing	5
Benares silk, imitation,	29	Churia	29		
Beonga	10	Cinnabar	44	E.	
Beoni	22	Cotton, American	5	Embroidery	33
Bhagai	27	———cleaning	8	Eve	1
		———cultivation	3		
		———flowers	40		
		———picking	6		

F.	Page.		Page.		Page.
Fabrics	26	Indigofera tinctoria	85	Khaskhas	14
Fákhtai	39	Indigo, printing with	43	Khátirí	33
Félasi	36	— vat	85	Khatpatiás	13
Farukhabad	45	— white	ib.	Khes	27
Ficus religiosa	40			Khira	20
Fisetin	40	J.		Kilk	19
Gabréun	29, 30, 31	Jáfarganj	41, 44	Kishmishi	88, 89
Gálá	10	Jaé namáz	25	Kochkí	39
Galef	28	Jais	33, 47	Kokai	36
Gandháki	38	Jájam	45	Kori	1, 46, 4
Gardana	17	Jálí	38	Kukrí	12
Gárs	27, 48	Jámání	82	Kuktí	5
Garhwál	17, 33, 47	Jamshed	2	Kulara	18
Gazí	27	Janen	5	Kulvénas	ib.
Gegam	29	Jatír	16	Kúinch	14
Gerbera Lanuginosa	34	Jaunpur	43	Kundí	41
Ghulta	33	Jethwa	5	Kurta, a sort of coat	28
Gharbúna	27	Jhillan	24	Kusum	37
Ghontai	45	Jhulwa	5	L.	
Ghori	21	Jogai	38	Lákhí	37
Ghuroha	7	Jojai	37	Lamgaja	28
Gilahra	29	Jota	19	Lapetan	17
Gins, hand	6	Jula	1	Lapetní	ib.
— steam	8	Juláha	1, 47	Lay	13
Gir	20	Julia	1	Liháf	45
Giraut	28			Líl	35
Githus	17	K.		Lohár kí siyáhí	37, 42
Glycyrrhiza glabra	41	Kabír Dás	2, 3	Loom	17
Gossypium arboreum	5	Kadeli	87	Lucknow	33, 31
— herbaceum	3	Kahi	36	M.	
— neglectum	5	Kakrezi	40	Madár	6
— religiosum	5	Kála	87	Madder, Indian	40
Gulábí	37, 43	Kalamkar	44	Mahmúdí	27
Gulanár	37	Kalandra	33	Mahtawán	19
Gulbadan	29, 31	Kalánga	34	Mafí	41
Gullai	24	Kamán	9	Majíth	40, 48
Gulle	25	Kamání	25	Méjuphal	39
Gulsháftalú	37	Kámání	88	Makra	25
Guria	24	Kamíz	29	Mál	11
H.		Kanár	24	Máldáhí	29
Haldí	38	Kánáwez	29, 30	Mándí	14
Har	39	Kandála	20	Mángá	17
Harsinghár	40	Kanghi	18	Máujha	14
Hartál	44	Kanjai	39	Manka	20
Hartálí	38	Kánrí	18	Manoran	5
Hátha (Jay)	19	Kansarí	20	Manua	5
— (part of dhunkí)	10	Kápás	6	Máshí	39
Hathela	19	Kápásí	33	Mau	46
Hathiya	ib.	Kápásíla	34	Me	1, 2
Hatta	24	Kapúr kachri	41	Mica	43
Heddles	18	Kárik	19	Milehtí	41
Hedychium spicatum	41	Karkades	4	Mirzapur	25, 47
Hemp cloth	93	Karmes	18	Mohra	45
I.		Káshipur	2	Morha	38
Idríš	2	Kasis	47	Morinda citrifolia	39
Iktárá	28	Kasní	39	Moses	2
Ille	2	Kashí	36	Motia	87
Indican	35	Keth	39	Mrich	2
Indigo	ib.	Kethai	39	Mubárakpúr	33, 46
		Kenda	18	Muhammad Arif	2
		Keorai	37	Mámín	1
		Kesarí	29	Mungya	29
		Khaki, buff brown	39	Munjeet	40
		Khara	29	Munjistin	ib.
		Kharkút	19	Munní	19
		Khair	43		

	Page.		Page.		S.	Page.
Murf	33	Pelai	37	Sabz kai	36	
Muthiya	10	Felota	18	Safflower	37	
Muttra	44	Peri	10	Sajjí	36, 37, 39	
Myrobalan	39	Phaniyála	17	Sál	17	
N.		Phánna	8	Salai	20	
		Phatakna	ib.	Saláka	14	
		Phatka	9	Salap-shástra	1, 2	
Náchní	18	Phenth	12	Sallam	27	
Naddáf	8	Phirka	11	Samundar láhár	29	
Náfarmáni	36	Phúlánga	34	Sánchez	41	
Nágarmotha	41	Phúldár	29	Sandálí	38	
Nagína	29	Phule	4	Sangí	26, 30, 33	
Nainí Tal	28, 47	Phúlwár-jáldár	32	Sangré babúl	39	
Nákhúna	30	Phurakna	8	Sapindus mukorossi	35	
Nála	13	Píás	37	Sara gola	41	
Nálí	ib.	Pinda	19	Sarahri (a reed)	10	
Nár	20	Pinja	9	Sarai	ib.	
Nara	18	Pinna	ib.	Sarap-Shástra	1, 2	
Narangí	38	Pípal	40	Sarar	20	
Nardostachys Jatamansi	41	Pírta	10	Sáras	21	
Nari	13	Pista	36	Sardai	38	
Narkul (Phragmites roxburghii), a reed	13	Pola	12	Sárfi, a large piece of material which females wrap round their bodies and over their heads	28, 33, 45	
Narma	4, 5	Pomegranate rind	38, 43	Sarkandí, a reed	14	
Náspál	38, 43	Poni	10	Sathia	20	
Naulakhí	20	Prices, carpets	26	Sausáni	36	
Níl	35	—daries	25	Semal	6	
Níla	36	—fabrics	27, 45	Senk	44	
Niwár	23	—niwár	24	Sentha	14	
Nukrai	39	—yarns	47	Seth	2	
Nyctanthes arbor-tristis	40	Printing	41	Shangráfi	38	
O.		Punétra	17	Sharbatí	38	
Oena	12	Punhar	16	Shingarf	44	
Orpiment	44	Púní	8	Shis	2	
Ota	7	Punica granatum	38	Shísham	41	
Otá	24	Púrbotú	34	Shuttle	14	
Otí	7	Q.		Sil	10	
Otní	ib.	Quercus Infectoria	39	Sinkhia	28, 30	
P.		R.		Sirahra	15	
Pachár	4	Rachh	19	Sirkí	10	
Pagri	27	Rachh Baudhya	ib.	Sítalpatí	29	
Pai karna	14	Radha	5	Spinning	11	
Paijáma (pantaloons)	28	Radhiya	ib.	Spinning-wheel	ib.	
Pangat	20	Rae Bareli	33, 47	Soap-nut	35	
Panikh	ib.	Rahat	7	Sohnhra	38	
Pánja	25	Bahnti	ib.	Sonela	ib.	
Pan ká sare	14	Rahita	11	Sorora	15	
Pannai	38	Rahítí	7	Sozní	29	
Panni	48	Rahítia	ib.	Sura	14	
Pansar	18	Rál (resin)	11, 44	Surkhi	37	
Panwár	36	Randia Dumetorum	41	Surmai	36	
Paolí	18	Rang	43	Surwa	14	
Paoní	ib.	Raris	5	Súef	29	
Páplin	29	Razai	46	Sutur	18	
Pár	4	Reh	36, 41	Symplocos	Cratae- goidea	43
Paraita	12	Rentha	7			
Parás	40	Rentí	ib.	T.		
Pari	13	Reta	13	Takla	11	
Pariya	14	Bhantí	7	Takwa	ib.	
Patang	40	Ritha	35	Tallus	27	
Pathánu lódh	43	Rubra Cordifolia	40	Tánnda	32, 45	
Pattidar	29	Rui	8	Tanzeb	28	
Pattu	ib.	Rumál	29, 33, 44, 45			
Patuka	ib.	Runwálí	11			
Pechmí	33					

