MANUAL OF PACK TRANSPORTATION

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649138418

Manual of pack transportation by Mr. H. W. Daly

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

MR. H. W. DALY

MANUAL OF PACK TRANSPORTATION



WAR DEPARTMENT OFFICE OF THE QUARTERMASTER-GENERAL

MANUAL OF PACK TRANSPORTATION

U.S. QUARTERMASTER'S DEPARTMENT

BY

MR. H. W. DALY

Chief Packer

UNDER DIRECTION OF THE QUARTERMASTER-GENERAL U. 5. ARMY



WASHINGTON GOVERNMENT PRINTING OFFICE 1910

NC303

WAR DEPARTMENT,
DOCUMENT No. 360.
OFFICE OF THE QUARTERMASTER-GENERAL.

WAR DEPARTMENT,
OFFICE OF THE CHIEF OF STAFF,
Washington, January 11, 1910.

The following Manual of Pack Transportation, revised 1910, is published for the information and guidance of the Regular Army and for observance by the Organized Militia of the United States.

By order of the Secretary of War:

Tasker H. Bliss, Brigadier-General, General Staff, Acting Chief of Staff.

3



CONTENTS.

Sec	tion.	Page.
Preface		11
General history		15
Evolution of the aparejo		18
Evolution of the diamond hitch		25
CHAPTER I.		
Pack saddles, description and uses:		
The aparejo	1	26
Accessories of the aparejo.	1	28
Crosstree or sawbuck	- 2	29
Moore pack saddle	3	29
CHAPTER II.		
Assembling and care of the aparejo:		
Selection of sticks suitable for ribbing aparejos.	4	33
Selection of hay suitable as padding for aparejos	5	33
Satting up the apareio	6	33
Setting up the aparejo	-7	37
Care of the apareir	8	40
Care of the aparejo. Causes of body and belly "bunches" and sore tails, sore withers and loins or kidney sores on pack mules and directions for their preven-	0	10
tion and cure	9	40
CHAPTER III,		
Instruction of the individual packer in preparation for his duties in the pack train:		
1. Securing and coiling ropes—		
How to prepare lash, sling, and lair ropes	10	44
How to do up a lash rope.	11	45
How to do up a sling rope	12	45
How to do up a lair rope	13	45
2. Lairing up the packs—		-2000
How to square ends of packs and tie before lairing up	14	45
How to lair up side packs How to lair up side pack of ropes without the aid of pack cover	15	46
or manta. How to lair up an aparejo and riding saddle for storage or	16	47
shipment 3. Putting the aparejo on the mule—	17	47
3. Putting the aparejo on the mule— How to fold an aparejo blanket	10	***
How to place blanket on aparejo preparatory to putting on the	18	48
aparejo	19	48
How to blind a pack mule	20	48
How to place corona, blanket, and aparejo on the mule	21	48
How to turn the crupper	22	51
How to cinch an aparejo	23	51
Forming the load preparatory to loading the mule,	24	54

Instruction of the individual packer in preparation for his duties in the pack train—Continued.		
4. Slinging the load—	ion.	Page.
How to place the sling rope on the aparejo	25	54
How to lift side packs and place them on the apareio	26	55
How to sling the load and tie the square knot	27	55
How to brake a side pack	28	58
requires it	29	60
How to cross sling side packs when top packs are necessary How to double cross sling side packs when length of packs	30	60
requires it	31	61
How to form the diamend hitch	33	90
How to form the double diamond	34	91
How to form the double hitch. How to form the diamond hitch when the cinch hook is lest or	35	96
broken. How one packer can sling the load and form the diamond bits.	36	96
hitch	37	97
How to form the pole hitch	38	100
6. How to sling the load and form the crosstree hitch on crosstree or sawbuck-	90	100
How to sling the load on crosstree	39	100
How to form the crosstree hitch	10	305
How to form the stirrup hitch	41	110
7. Taking off the load and aparejo—		
How to take off the lash rope and the load	42	110
How to uneinch an aparejo and turn the erupper	43	117
How to take off an aparejo	44	117
8. Miscellaneous—		
How to form two half hitches, the pole (clove) hitch		117
How to form a bowline knot.	46	118
How to form a bowline and bight	47	118
How to form a short splice on rope		118 119
How to form a long splice on rope	50	125
How to improvise a stretcher	51	125
now to improvise a meteric	31	120
CHAITER IV.		
Instruction in the service of a pack train:		
Summary of duties in loading and unloading a train Loading a pack train—	52	130
How to form cargo preparatory to loading the mules	53	130
How to place the rigging	54	131
How to teach animals to come properly to rigging	55	131
now to tie animais at rigging	56	132
How to do up halter shank before tying animal to his load	57	135
How to tie an animal to his load	58	135
How to load a pack train for the day's march in the most ex-	***	100
peditious manner	59	135
Putting on the aparejos	60	136
Putting on the cargo	61	136 137
3. Duties of packers on the march—		
In open country	63	
On bad and narrow trails	64	137 138
Up and down a mountain		
How to catch a pack animal when his load needs attention	67	138
How to tighten a load and indicate it has been tightened	68	138
How to teach saddle mules to stand	69	139
Signal code	70	139

CONTENTS.

Instruction in the service of a pack train—Continued.		
4. How to park (unload) a pack train—	tion.	Page.
Outline of duties	71	140
How pack animals should be led to cargador for convenience		
in taking off the rigging	72	140
How to cover cargo and tie down	73	140
How to cover rigging and tie down	74	141
How to stretch a picket line	75	141
How to clean coronas	76	142
How to fold pack covers	77	143
How to fold rigging covers	78	143
How to fold cargo covers	79	143
How to fold feed covers	80	143
CHAPTER V.		
Marches and loads:		
1. What may be required of the pack mule under ordinary conditions.	81	144
Mountainous country	82	144
Forced marches.	83	144
	84	145
2. Gaits. 3. Table showing loads and rates of travel considered practicable for a	04	1.40
	02	145
well-organized and seasoned pack train	85	145
4. Endurance of the pack mule under proper conditions	86	146
CHAPTER VI.		
Organization:		
Usual organization and equipment of a pack train	87	148
Table showing size and quantity of rope and canvas required for one		
pack train 3. Articles of equipment in use in pack trains— Mess or bitchen buyes	88	148
3. Articles of equipment in use in pack trains—		
Mess or kitchen boxes	89	149
Packer's field stove, with kit	90	149
Cooking outfit, without stove	91	149
Pack-train mess kit	92	149
Clothes or war bags	93	149
Packer's wardrobe	94	150
Packer's wall tent	95	150
Tool sacks	96	150
Grass or hay pads	97	150
Pack covers	98	150
Rigging covers	99	150
Cargo covers		151
Feed covers		151
Cargador's box		151
Cargador's kit		151
Blacksmith's boxes		152
Blacksmith's kit		152
4. How to organize a pack train	106	152
5. The essential conditions in the selection of the packer	107	154
The skilled packer	108	154
The novice or unskilled packer	109	155
Instructions to pack masters		156
6. Duties of individuals:	110	100
The chief packer	111	156
The assistant chief packer	119	157
The pack master	113	157
The cargador or assistant pack master	114	158
The blacksmith	115	159
The packer.		159
		159
The cook	118	160
Feeding.	110	161
Watering		161
Grooming		161
Traveling		162
Camping.	199	162
Use of blinds		163
Kindness to animals.		163
Precautions.		163
Closector	107	164
Glossary	121	109