WAR DEPARTMENT OFFICE OF THE QUARTERMASTER-GENERAL. MANUAL OF PACK TRANSPORTATION

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649642892

War Department Office of the Quartermaster-General. 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

WAR DEPARTMENT OFFICE OF THE QUARTERMASTER-GENERAL. MANUAL OF PACK TRANSPORTATION



WAR DEPARTMENT OFFICE OF THE QUARTERMASTER-GENERAL

MANUAL OF PACK TRANSPORTATION

QUARTERMASTER CORPS

BY

Mr. H. W. DALY

Chief Packer

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



WASHINGTON GOVERNMENT PRINTING OFFICE 1917

NC303 A3 1917

WAR DEPARTMENT, Document No. 565.

OFFICE OF THE QUARTERMASTER-GENERAL.

2

idelv. og Califeratus WAR DEPARTMENT, OFFICE OF THE CHIEF OF STAFF, Washington, December 21, 1916.

The following Manual of Pack Transportion, revised 1916, is published for the information and guidance of all concerned.

By order of the Secretary of War:

H. I. Scort, Major General, Chief of Staff.

3



CONTENTS.

	ection.	Page.
Preface		11
General history.		15
Evolution of the aparejo		18
Evolution of the diamond hitch		25
CHAPTER I.		
Pack saddles, description and uses:		
	. 1	26
The aparejo	i	28
		29
Crosstree or sawbuck	. 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.		33
		33
Setting up the aparejo	. 7	37
Care of the energie	. 8	40
Care of the aparejo	d° n-	40
tion and cure	. 9	40
CHAPTER III.		
Instruction of the individual packer in preparation for his duties in th	e	
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		45
How to do up a lair rope	. 13	45
2. Lairing up the packs—		
How to square ends of packs and tie before lairing up	. 14	45
How to lair up side packs	. 15	46
		47
or manta. How to lair up an aparejo and riding saddle for storage of	or	1 1550
ahipment		47
How to fold an aparejo blanket	. 18	48
How to place blanket on sparejo preparatory to putting on th	0	
anarejo	. 19	48
aparejo How to blind a pack mule	. 20	48
How to place corona, blanket, and aparejo on the mule	21	48
How to tuen the common	. 22	51
How to turn the crupper	-	51
How to cinch an aparejo		54
Forming the load preparatory to loading the mule	. 44	04

Instruction of the individual packer in preparation for his duties in the pack train—Continued.		-1
4. Slinging the load—		
How to place the sling rope on the aparejo	25	54
How to lift side packs and place them on the aparejo	26	55
How to sling the load and tie the square knot	27	55
How to brake a side pack	28	58
How to brake a side pack		
requires it	29	60
requires it	30	60
requires it	31	61
5. Lashing the load—	32	61
How to form the diamond hitch	33	
How to form the double diamond		90
How to form the double nitch.	34	91
How to form the double hitch How to form the diamond hitch when the cinch hook is lost or	-	
broken. How one packer can sling the load and form the diamond	35	96
How one packer can sling the load and form the diamond		
hitch	36	96
How to form the pole hitch	37	97
How to form the Oregon diamond hitch	38	100
How to sling the load and form the crosstree hitch on crosstree or		
sawbuck—	9000	250
How to sling the load on crosstree	39	100
How to form the crosstree hitch	40	100
How to form the stirrup hitch	41	110
7. Taking off the load and apareio-		
How to take off the lash rope and the load	42	110
How to uncinch an aparejo and turn the crupper	43	117
How to take off an aparejo	44	117
8. Miscellaneous—		
How to form two half hitches, the pole (clove) hitch	45	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	48	118
How to form a long splice on rope	49	119
How to construct a travois	50	12
How to improvise a stretcher	51	125
CHAPTER 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. How to teach animals to come properly to rigging. How to tie animals at rigging. How to do up halter shank before tying animal to his load	54	13
How to teach animals to come properly to rigging	55	13
How to tie animals at rigging	56	133
How to do up halter shank before tying animal to his load	57	13
How to tie an animal to his load	58	13
How to load a pack train for the day's march in the most ex-		
peditious manner	59	138
Putting on the aparejos	60	13
Putting on the cargo	61	13
Leaving the park or camp ground	62	13
3. Duties of packers on the march—		
In open country	63	13
In open country. On bad and narrow trails.	64	
Up and down a mountain	65	13
Up and down a mountain	66	
How to catch a pack animal when his load needs attention	67	13
How to tighten a load and indicate it has been tightened	68	13
How to teach saddle mules to stand	69	13
Signal code	70	13
Migues Manager and Control of the Co	10	4.0

CONTENTS.

Instruc	ction in the service of a pack train—Continued. How to park (unload) a pack train—	tion.	Page.
	Outline of duties. How pack animals should be led to cargador for convenience	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 How to stretch a picket line	74	141
	How to stretch a picket line	75	141
	How to clean coronae	76	142
	How to fold pack covers	77	143
	How to fold rigging covers		143
	How to fold cargo covers	79	143
	How to fold feed covers	80	143
	CHAPTER V.	-	
March	es and loads:		
	What may be required of the pack mule under ordinary conditions.	81	144
-	Mountainous country	82	144
	Forced marches	83	144
9	Gaits		145
9	Gaits		. 10
٥,	well-organized and seasoned pack train	85	145
100	Endurance of the pack mule under proper conditions	86	146
4.	전하다 1일 하는데 보고 1200 전라 200 전로 12 12 12 12 12 12 12 12 12 12 12 12 12	80	140
	CHAPTER VI.		
Organi	zation:		
1.	Usual organization and equipment of a pack train	87	148
2.	Table showing size and quantity of rope and canvas required for one		
	pack train. Articles of equipment in use in pack trains—	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.		150
	Tool sacks.		150
+3	Grass or hay pads	97	150
	Pack covers		150
	Rigging covers.		150
	Cargo covers.		151
	Food covers	100	151
	Constitution of the consti	101	151
	Feed covers. Cargador's box. Cargador's kit.	102	
	Cargador's kit	103	151
	DIBCESIBILD 8 DOXes	104	152
- 20	Blacksmith's kit	105	152
4.	How to organize a pack train. The executial conditions in the selection of the packer.	106	152
5.	The essential conditions in the selection of the packer	107	154
	The skilled packer	108	154
	The skilled packer The novice or unskilled packer Instructions to pack masters	109	155
	Instructions to pack masters	110	156
6.	Duties of individuals:		U-98
	The chief packer	111	156
	The assistant chief packer	112	157
	The pack master	113	157
	The cargador or assistant pack master	114	158
	The blacksmith	115	159
	The packer	116	159
	The cook. What packers are not permitted to do	117	159
	What packers are not permitted to do	118	160
	Feeding	119	161
	Feeding	120	161
	Grooming	121	163
	Grooming	122	162
	Camping	123	163
	Use of blinds	194	163
	Kindness to animals.	195	163
	Precautions		
	Glossary	197	164
	**************************************	141	10