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APPENDIX TO

TRANSPORTATION OF TROOPS AND MATERIEL

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BY

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Transportation.

APPENDIX.

GENERAL ORDERS }
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 } HEADQUARTERS

The following regulations prescribing the means of transportation, and the operations of pack train service in the Army, are published for the information and guidance of all concerned:

REGULATIONS FOR PACK TRAIN SERVICE
IN THE DEPARTMENT OF

Each pack train shall consist of the following:

64 mules and one bell animal, with proper equipments for all animals.

EMPLOYEES:

- 1 Packmaster;
- 1 Cargador;
- 1 Blacksmith;
- 1 Cook;
- 10 Packers.

Should the number of pack animals be reduced below fifty the number of packers will be reduced so that there will be not to exceed one packer for each five pack animals.

Whenever there are two or more trains stationed at one post, there will be one assistant chief packer.

Duties of the Commanding Officer:

The commanding officers of the posts whereat pack trains are stationed will be responsible that pack trains receive the necessary exercise and service to maintain them in the greatest degree of efficiency, and in condition for active service.

All pack trains should make practice marches of from five to ten miles per day so as to keep the animals in hard muscular condition, and in order that daily examination may be made as to whether the "rigging" is properly fitted. Any defects in the "rigging" or equipment should be noted in order that steps can be taken to remedy them.

On these practice marches the men will be instructed in their duties, both in bivouac and in camp, and the animals will be trained.

The standard load for pack animals is 225 pounds per animal.

In the field, after the packs have been adjusted, the forward movement should commence, nor should there be unnecessary delay to the transportation during halts.

Commanding officers of posts, or of detachments of troops, to which pack trains are attached, will issue such orders for the control of pack trains as will not conflict with the regulations herein published.

The duties of the quartermaster:

The quartermaster accountable for pack trains will be responsible for their proper maintenance and equipment, proper organization, and the instruction of all employees in their duties.

When pack trains shall be assigned to a station, the post quartermaster accountable will provide a corral and supply material and conveniences for placing cargo and "rigging." Platforms should be provided to keep the "rigging," and cargo, off the ground. The corral should be isolated and convenient to stables.

While in garrison the acting quartermaster in charge of pack trains, or in his absence the assistant chief packer or packmaster, will procure from the post quartermaster suitable loads wherewith to exercise the animals of the respective trains.

These requirements are necessary for the purpose of training the animals, and for the instruction of the men, and have for their object the daily simulation of service conditions.

It will be the duty of the post quartermaster to make periodical inspections of all pack trains for which he is accountable, at intervals of not more than one week.

He will also make thorough inspection of pack trains prior to their being dispatched on detached service, and will again inspect such trains on return from detached service.

On the return of the pack trains to their proper posts, from detached service, the acting quartermaster who has had

charge of the pack trains, will report to the post quartermaster any inattention to duty of any member of such trains, and in all cases of abuse of animals or neglect of duty he will report employees responsible for same, also the condition of the animals in the respective trains, and condition of their bodies whether sound or otherwise.

It will be the duty of the Quartermaster to furnish to each packmaster a small black book to be known as the "property book."

This book will contain a list of all public property of the pack train, including the aparejo complete, together with all spare parts, as follows:

1st: The body; 2d: the Crupper; 3d: the Cover, or "Sobrejalma;" 4th: the Cincha; 5th: the Corona, or Saddle Pad; (above referred to as the "rigging"); 6th: the Aparejo Blanket; 7th: the Lash Rope, with the Cincha; 8th: the Sling Rope; 9th: the Lair Rope; 10th: The Pack Cover or "Manta."

The number of extra lash ropes without cincha, sling and lair ropes, and pack covers.

The number of cargo, "rigging," and feed covers.

The number of saddles, bridles, and blankets, blinds and head halters, with shanks and snaps. Bell with strap for the bell animal. Hobble whether common or "Snow," for bell animal.

The number of tool sacks, moss or hay pads, clothes or "War" bags, cargador's box with "Kit," blacksmith's mule shoe boxes (2) with "Kit." The tools in the "Kits" should be enumerated.

Picket line with iron pins, if any.

Packer's field stove, and wall tent, with jointed poles if any.

The number of kitchen or "mess" boxes, and all mess and cooking utensils, enumerated.

Also a list of material for needed repairs.

A duplicate of this book will be kept in the office of the post quartermaster.

On detached service the acting quartermaster in charge, in the field, will be called upon to furnish a memorandum receipt to the post quartermaster, for property of the pack trains, sent out in his charge.

In the property book will be kept a descriptive list of all animals of the train, giving the number and names of each pack animal according to sex, age, color, height, weight, and marks or blemishes, not including sparejo or pack saddle marks. In this list the bell animal shall be included. The corona number of each animal should be given, from 1 to 50. The use of corona numbers above that figure will not be permitted. If pack animals in excess of that number are in the train they will be designated as "Extras."

In this same book will be recorded the personnel of the pack train, giving the names of the packmaster, cargador, blacksmith, cook and packers, and showing length of service with the pack train. This book shall also state the length of service of each employee, when and where first employed, and in what capacity. It shall also show in what states, territories, or foreign possessions, the men have had former experience as packers.

A separate record book, or time book, will be kept, showing the roster by which members of the pack trains report for duty.

The post quartermaster, or acting quartermaster, shall require a daily morning report of each packmaster.

The morning report will state the hours of daily exercise, and the distance traveled; of what the cargo was composed, the average weight of the load per pack animal; the condition of the animals and their bodies; the condition of the "rigging" and equipments; the hours of watering, grooming and feeding; the amount of grain fed per animal; the amount of straw for bedding, if any; repairs to "rigging", etc. Also, the number of rations per train, and the number of men for whom furnished; any accidents happening to men or animals, and cause thereof; the date of employment of men and in what capacity, and any disobedience of orders on the part of members of the train, etc.

In connection with the morning report there should be a space for remarks, when the train is in the field, in which should be given a brief account of the country passed over, the distance

traveled each day, the condition of the country as to wood, water, grass, and in short, everything affecting the movement of pack trains, together with any incidents of note that may have occurred.

The acting quartermaster of expeditions in the field will have the same responsibility for pack trains as the post quartermaster has in garrison.

On arrival at bivouac, the acting quartermaster will instruct the chief packer where to park his trains, which shall be in as convenient a manner as the nature of the ground will permit.

The highest ground will be given to cargo, the next highest to the "rigging," and the next highest to the picket line.

All cargo, "rigging," etc., will be placed in as orderly manner as possible.

During travel, whether by day or night, the acting quartermaster, assistant chief packer, or the packmaster, on detached service, will ride in advance of the train, or trains, to gait the rate of travel and to look out for bad or dangerous places.

Duties of Assistant Chief Packer:

The duties of the Assistant Chief Packer will be to see that all packmasters and other employees are thoroughly instructed in their duties, and competent to perform all the duties devolving upon them in connection with the pack service.

He will be held responsible for the condition of the animals, and the perfect management and discipline of the trains under his charge.

He will require packmasters to maintain supervision over the care of animals and property and hold them strictly accountable therefor.

The Assistant Chief Packer will hold packmasters accountable for "squaring" of side packs by tying the corners of sacks together before "lairing" up. By this precaution sacks of flour, sugar, coffee, beans, rice, grain, etc., will be prevented from bursting should they be dropped on the ground through the negligence or carelessness of packers.

He will hold packmasters responsible for the proper "forming of cargo" in tying of animals to their respective loads, and for the expeditious preparation of the train for the day's travel.

He will hold the packmasters responsible that animals are properly trained to come to "rigging" (aparejos), technically called "run to rigging." This will be done in the morning, after the night's herd; also in the evening. This practice must be had daily in order to expedite the placing of the aparejos on the animals and adjusting their respective loads.

Packmasters will be instructed to place packers in such manner as to give safety to animals along the train, in the neighborhood of bad or dangerous places. Similar precautions will be taken in crossing streams, either by fording or swimming, and in each case there will be a thorough examination made of the stream before pack trains are permitted to enter it, and also necessary men will be stationed on lower side to keep animals well up to avoid accidents.

The assistant chief packer, or packmaster, on detached service, will report every evening to the quartermaster for instructions for the next day's travel, and will have the train in readiness promptly at the time specified.

Duties of the Packmaster:

The Packmaster will be held accountable for the proper and complete equipment of his train, and the management and discipline thereof.

A lack of thorough knowledge and understanding of the art of setting up an aparejo will be a disqualification for this position.

The packmaster, whether in garrison or in the field, will cause the animals in the trains to be brought to "rigging" in the evening, while there is light, if possible, and will then verify the train by count. The animals will then at once be thoroughly groomed, and particular care will always be given to the parts where aparejos, cruppers, and cinchas come in contact with the skin. Careful attention and treatment will always be given to "bunches" that may have arisen during the day's work, however small.

The packmaster will assist and instruct when necessary the cargador, in readjusting the filling of the aparejos, in such manner as will result in preventing "bunches" or sore places, and in keeping the animals sound.

When tied to picket line the animals will be fed on feed covers provided for that purpose, if grain is available.

He will exercise supervision over packers at all times and see that they give due attention to the animals' packs and that none fall off or become disarranged during the travel. When found necessary the cargo will be readjusted.

Should an animal show signs of weakness it should be relieved of a portion or all of its load.

It will be the duty of the packmaster to inspect, after each day's travel, the condition of the animals' bodies. He will observe the condition of the coronas, as to cleanliness, when in bivouac, and will cause all canvas and blankets to be spread out and dried, if found wet, provided the opportunity offers.

It will be the duty of the packmaster to count all "rigging" and report to his immediate superior anything found missing.

In bivouac all saddles, bridles and blankets, will be placed on cargo, and the whole will be covered by canvas and securely tied down.

In garrison the animals will be daily run to "rigging" between the hours of seven and eleven. Before being "run to rigging" all animals will be properly watered. Between the hours of four and five in the evening, they will be watered whether at stables, or herded, or at picket line.

During travel the animals will be watered as opportunity presents itself, and in bivouac they will be watered before being taken to herd. They will also be watered before being "run to rigging" in the evening.

The watering and feeding of the animals of the train in all cases will be supervised by the packmaster.

Grooming will be regularly practiced every day, Sundays included, between the hours of four and five, while animals are at rigging. They will be taken singly therefrom for this purpose, in order that the condition of the animals' backs can be noted. Should "bunches" arise during the day's travel prompt attention must be given.

No hay or grain will be fed to pack animals in the morning, as experience shows that grain, especially, tends to sour in the animals' stomachs from the heat of travel.

During practice marches it will be found advantageous if the

animals can have an hour's grass in the early morning before being "run to rigging."

When pack trains are herded it will be the duty of the packmaster to assign a suitable number of packers as guard for the animals.

Care should be taken during halts to avoid the necessity of animals of the trains standing in the immediate neighborhood of dangerous places.

In garrison, if stables are provided, wagons and harness, also the necessary implements for keeping stables clean and in good condition, should be procured from the post quartermaster.

General Orders Governing Packmasters and their Duties:

Packmasters should have authority for granting a few hours leave of absence to employees of the train in case of formal application by packers.

Such leave should only be granted in case their services can be spared, and with the consent of the Assistant Chief Packer. Should a packer desire a leave of absence extending over twelve hours or more he should be required to make application in writing through his packmaster and Assistant Chief Packer to the quartermaster, giving his name, position, and necessity for the leave. Absence without permission for the period of twenty-four hours will be considered cause for discharge.

Packers found in any way maltreating animals under their care, in such way as to impair their usefulness and gentleness will be discharged. This rule will be rigidly complied with by all members of the pack service.

Duties of Cargadoes:

The cargador must, with the assistance of the packmaster, set up the "rigging." He will be expected to keep animals' bodies sound, and failure to do this will prove his unfitness for the position.

He must attend to needed repairs to aparejos and equipment, supplying himself, through the quartermaster, with suitable cargador's "Kit" and materials for that purpose.

He will be responsible for making up all cargo, equalizing the packs, loading animals according to their strength and condition. He will keep a watch on animals and packs while traveling, and on packers, to see that they attend to their duties, and will promptly report any inattention or disobedience of orders to the Packmaster.

The cargador will cause the cargo, "rigging," and picket line to be placed as indicated by the packmaster, and will take charge of the train in the absence of the packmaster.

He will keep a memorandum of all cargo received, and to whom issued, together with dates, marking and tagging packages when necessary.

In bivouacs he will see that all halter shanks are gathered and placed on rigging, and all blinds placed between the two last "riggings," and all saddles, bridles and blankets placed on cargo before being covered up.

He will be responsible that all aparejos are marked with the number of the animal's respective corona, and that all coronas are kept clean.

Duties of the Blacksmith:

The blacksmith will be provided with the blacksmith's field kit; will keep on hand for field service 200 shoes properly fitted, together with the necessary number of nails; he will also be equipped with other requisites for properly shoeing the train. He will fit and shoe all animals of the train, and must have a thorough knowledge of the approved methods of fitting shoes, and of the intelligent care of the frog.

He will, when required, give assistance in packing and while the train is being packed his duties are to keep the animals close to the bell animal, keeping correct count of the animals as they are turned loose, reporting any accident promptly to the packmaster or cargador.

While traveling his duties are to ride up behind keeping watch on the feet of the animals, so that he may know how many shoes have been slipped during travel.

He will call attention of the packers to any load that may need attention.

Duties of the Packers:

Packers must have a thorough knowledge of the "Diamond" hitch, and all other hitches used in packing, for the purpose of

securing the load, and must be able to effect a proper adjustment of the loads.

Inattention to the loads, or permitting them to fall off the animal will be considered a cause for discharge.

No reading matter will be taken by packers on herd to distract their attention from the care and watchfulness of the animals, that they may not stray off or stampede.

Duties of the Cook:

The cook will have his meals in readiness at the time specified by the packmaster, and must have knowledge of the economical preparation of the prescribed ration.

He must closely and completely store the rations and mess utensils in the boxes in such manner that their weight will be equally distributed, causing the packs to ride evenly. Carrying heavy or unnecessary utensils on the march is prohibited. When kitchen utensils are ready to load he will mount his animal and keep the animals of the train rounded up.

At the call "Bell" he will untie the bell animal and lead out in the direction indicated, gaiting the animals as directed by the packmaster and will maintain the proper distance in the lead, noting whether the gait be too fast or too slow and reporting any accident.

The fact that certain instructions are herein given relative to the duties specifically prescribed for each employee shall in no wise be construed as relieving any employee from responsibility for the general welfare of the train, and of the interests of the service, to the utmost extent of his ability in every sense, nor does the specific assignment to certain duties imply that there shall exist or be permitted in the slightest degree any lack of concert between employees in the discharge of their duties.