

# **GREAT NORTHERN RAILWAY LINE**

**MONTANA CENTRAL RAILWAY  
AND OPERATED LINES.**

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## **TIME TABLE NO. 57**

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To take effect at Twelve One (12:01) o'clock AM.

**Sunday, June 15th, 1902.**

General Rules regulating the movement of trains are contained in Book entitled "Montana Central Rules" effective September 1st, 1900, a copy of which must be in the possession of each and every employe connected in any manner with the movement of trains, while on duty. Rules A, B and D.

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This Time Table is in no case intended for the information of the public, nor as an advertisement of the time or hours of any train. The Company reserves the right to vary from it at pleasure. It is for the information of Employes only.

J. H. O'NEILL, Train Master.

E. L. BROWN, General Superintendent.

JNO. F. STEVENS, General Manager.



GREAT NORTHERN RAILWAY-Pacific Junction to Great Falls.

MONTANA CENTRAL RAILWAY-Great Falls to Clancy.

TRAINS GOING WEST.				TRAINS GOING EAST.						
Third Class		Second Class	First Class		STATIONS.	First Class		Third Class		
NO. 27	NO. 25	NO. 23	NO. 1	NO. 2		NO. 24	NO. 26	NO. 28		
Local Frt. Daily	Time Freight Daily	Passenger Daily	Passenger Daily	Passenger Daily		Passenger Daily	Local Frt. Daily	Local Frt. Daily		
	2.00 PM	11.10 AM			..... Havre .....	T	8.30 AM	5.40 PM		
	2.20 PM De	11.20 AM De			..... Pacific Junction .....	JU Y	8.20 AM Ar	5.25 PM Ar		
	2.50	11.27			..... Assiniboine .....	AZ	8.11	5.10		
	3.25	11.39			..... Laredo .....		7.59	4.40		
	3.55 Mt 26	11.52			..... Box Elder .....		7.44	3.55 Mt 25		
	4.55	12.10 PM			..... Big Sandy .....	BS T	7.27	3.10		
	5.10	12.20			..... Verona .....		7.15	2.40		
	5.30	12.26			..... Cairo .....		7.06	2.20		
	5.55	12.34			..... Virgelle .....	VG	6.57	1.45		
	6.15	12.43			..... Berber .....		6.47	1.10		
	6.40	12.51 Mt 26			..... Lippard .....		6.38	12.51 Mt 23		
	7.05	1.00			..... Marias .....		6.27	12.30		
	7.55	1.10			..... Teton .....	UN	6.17	12.10 PM		
	8.25	1.17			..... Lisicum .....		6.09	11.41		
	9.05	1.27			..... Benton .....	BN	6.00	11.25		
	9.40	1.38			..... Kershaw .....		5.50	10.20		
	10.10	1.50			..... Tunis .....		5.40	10.05		
	10.35	2.01			..... Sidnev .....		5.28	9.45		
	11.15	2.10			..... Flowerree .....		5.19	9.25		
	11.55	2.25			..... Portage .....	RE	5.04	9.00		
	12.15 AM	2.37			..... Goodale .....		4.53	8.35		
	12.35	2.48			..... Rainbow .....		4.42	8.10		
	12.40	2.51			..... Gibson .....		4.39	8.05		
	1.00 AM Ar	3.00 PM Ar			..... Great Falls .....	PD TYO	4.30 AM De	7.45 AM De		
	6.30 AM De	2.15 AM De	3.10 PM De	9.00 AM De	..... Great Falls .....		4.05 PM Ar	4.15 AM Ar	2.55 PM Ar	
	6.55	2.55	3.23	9.14	..... Junction .....	Y	3.53	3.55	2.30	
	7.22	3.35 Mt 24	3.38 Mt 2	9.31	..... Flood .....		3.38 Mt 23	3.35 Mt 25	1.50	
	7.49	4.02	3.48	9.43	..... Ulm .....		3.24	3.19	1.25	
	8.21	4.27	4.00	9.55	..... Riverdale .....		3.10	3.01	1.00	
	8.53	4.57	4.13	10.12	..... Cascade .....	Q	2.52	2.40	12.30	
	9.25	5.27	4.26	10.26	..... Hardy .....		2.37	2.20	12.01 PM	
	10.00	5.52	4.37	10.40	..... Mid Canon .....		2.22	2.02	11.32	
	10.56 Ps Mt 28	6.22	4.54	10.56 Ps 27	..... Craig .....	RA	2.07	1.41	10.56 Mt 1-27	
	11.20	6.50	5.00	11.02	..... Wolf Creek .....	WC	1.58	1.30	10.25	
	11.55	7.40	5.14	11.16	..... Gleason .....		1.48	1.15	10.00	
	12.35 PM	8.20	5.27	11.30	..... Manila .....		1.35	12.57	9.35	
	1.25 Mt 2	9.15 Mt 28	5.40	11.44	..... Mitchell .....	BK	1.25 Mt 27	12.41	9.15 Mt 25	
	2.10	9.40	5.57	12.01 PM	..... Johns .....		1.05	12.17 AM	8.10	
					..... Silver .....	MN Y				
					..... Iron .....					
					..... N. P. Crossing .....	X				
					..... Red Mountain Jct. .....					
					..... H. & R. M. Crg. .....	X				
	2.40	10.20	6.15	12.20	..... Helena .....	DE YO	12.50	11.55	7.40	
	3.05	10.40	6.25	12.35 Mt 2	..... Easton .....		12.35 Mt 1	11.45	7.15	
	3.25	11.00	6.37	12.46	..... Montana City .....		12.23	11.34	6.50	
	4.00 PM Ar	11.35 AM Ar	6.42	12.54	..... Clancy .....	W T	12.16	11.25	6.30 AM De	
	Daily	Daily	Daily	Daily			Daily	Daily		
	NO. 27	NO. 25	NO. 23	NO. 1			NO. 2	NO. 24	NO. 26	NO. 28

West-bound trains are superior to East-bound trains of the same class. Rule 43.



MONTANA CENTRAL RY. Clancy to Butte and Neihart, Stockett, Sand Coulee and Barker Branches

TRAINS GOING WEST.										TRAINS GOING EAST.									
Third Class					First Class					STATIONS	Telegraph Calls	K. R. Crossings, Turntables, Scales, Etc.	Car Capacity of Siding	First Class					
NO. 25		NO. 27			NO. 23		NO. 1							NO. 2		NO. 24			
Time	Freight	Local	Frt.	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger					Passenger	Passenger	Passenger	Passenger		
Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily						
12.20	PM De	5.45	AM De	6.55	PM De	1.08	PM De	CW	DN	233.9	Clancy	W	T	12.03	PM Ar	11.08	PM Ar		
						1.09				234.7	Alhambra			12.02	PM				
12.50		6.25		7.12		1.20				238.0	Moxon			11.51		10.55			
										239.1	Jefferson								
1.32	Ps	6.55		7.22		1.32	Ps 25	W	D	240.7	Corbin	BI		11.46		10.48			
1.55		7.15		7.29		1.40				242.8	N P Junction			11.41		10.43			
2.10		7.30		7.34		1.46				244.5	Wickes			11.38		10.40			
2.30		7.45		7.38		1.51		W	DN	245.6	Portal	NX		11.34		10.36			
2.50		8.00		7.43		1.55		W	DN	247.4	Amazon	Z		11.30		10.32			
3.10		8.35		7.59		2.11				253.3	Boulder	RO		11.14		10.14			
3.45		9.15		8.20		2.33		W	D	261.0	Basin	SI		10.57		9.54			
4.10		9.48		8.30		2.43				265.0	Bernice	RN	Y	10.49		9.45			
4.40		10.41	Mt 2	8.42		2.55		W		268.2	Wilder			10.41	Mt 27	9.35			
5.10		11.11		8.59		3.10		W	D	273.0	Elk Park	AK	Y	10.30		9.23			
5.35		11.35		9.12	Mt 24	3.19				278.0	Trask			10.22		9.12	Mt 23		
5.45	PM Ar	11.45	AM Ar	9.20		3.26		CW	DN	281.7	Woodville	MA	Y	10.17		9.04			
				9.31		3.37				286.6	Mountain Junction			10.00		8.41			
				9.45	PM Ar	3.50	PM Ar	CW	DN	290.0	N. P. Crossing		X						
										290.8	Butte	DU	TO	9.45	AM De	8.30	PM De		
	Daily	Daily		Daily	Daily	Daily	Daily							Daily	Daily				
	NO. 25	NO. 27		NO. 23	NO. 1									NO. 2	NO. 24				

NEIHART BRANCH

TRAINS GOING WEST.				TRAINS GOING EAST.					
Third Class	First Class	Coal & Water Station	Telegraph Offices	Distance from Great Falls	STATIONS	Telegraph Calls	K. R. Crossings, Turntables, Scales, Etc.	Car Capacity of Siding	
NO. 37	NO. 31								First Class
Mixed	Passenger								NO. 32
Daily Except Sunday	Daily Except Sunday		Daily Except Sunday						
7.45	AM De	7.30	AM De	CW	DN	67	Great Falls	PD	
8.15		7.49				27	Field		
8.40	AM	7.56		W		152	Allen	J	
		8.03				27	Swift		
		8.17				57	Wayne		
		8.35		CW	D	300	Belt	TO	
		8.39				29	Armington	RV	
		9.04		W		25	Riceville		
		9.21				73	B. & M. Siding		
		9.26				14	Logging Creek		
		9.47		W	D	72	Monarch	MO YJ	
		10.20	AM Ar	CW	D	84	Neihart	NI T	
	Daily Except Sunday	Daily Except Sunday							
NO. 37	NO. 31							NO. 32	

STOCKETT BRANCH

TRAINS GOING WEST.				TRAINS GOING EAST.				
Third Class		Coal & Water Station	Telegraph Offices	Distance from Great Falls	STATIONS	Telegraph Calls	K. R. Crossings, Turntables, Scales, Etc.	Car Capacity of Siding
NO. 37								
Mixed								
Daily Except Sunday								
8.40	AM De	10.4		Allen				
9.00		13.4		Lewis	J			
9.30	AM Ar	18.2	W D	Stockett	S T	202		
	Daily Except Sunday							
NO. 37								

BARKER BRANCH

TRAINS GOING WEST.				TRAINS GOING EAST.			
Coal & Water Station	Telegraph Offices	Distance from Great Falls	STATIONS	Telegraph Call	R.R. Crossings, Turntables, Scales, Etc.	Car Capacity of Siding	
							D
	63.6	Barker		T	26		

SAND COULEE BRANCH.

TRAINS GOING WEST.				TRAINS GOING EAST.			
Coal & Water Station	Telegraph Offices	Distance from Great Falls	STATIONS	Telegraph Calls	R.R. Crossings, Turntables, Scales, Etc.	Car Capacity of Siding	
	15.0	Sand Coulee			250		

West-bound trains are superior to East-bound trains of the same class. (Rule 43.)



# SPECIAL RULES.

Between Pacific Junction and Havre trains will use Great Northern Montana Division Time Table and be Governed by the Same.

All trains must get clearance before entering Tunnel No. 6.  
All trains must have a clearance card (Form 219) before leaving terminal.  
Cars must not be set out on passing tracks without an order from the General Superintendent.

Empty Flats and Gondolas must be hauled in trains behind all loaded and empty box, stock, and refrigerator cars.

Cars of 100,000 pounds capacity must be together, and next to engine in train.  
Passengers may be carried on Train 26, running between Great Falls and Havre, when provided with freight train permit in addition to regular transportation. On any and all other freight trains, special authority must be had from the General Superintendent in addition to freight train permit.

Slow Boards are located 2000 feet on either side of sliding bank between Liscum and Tunnel 13, and on either side of that portion of the long cut west of Benton, in which sand drifts occur. Trains will run carefully within the limits protected by these boards.

Enginemen will keep dampers and ash pans closed while crossing long wooden bridges and trestles.

At Helena track known as west leg of Y will be used by Passenger Trains to and from station. All switches, excepting main line switch, must be kept set for this track.

At Bernice switch at stem of Y must be kept set and locked for east arm of Y.  
At Corbin east-bound freight trains must stop and examine wheels. See rule 53.

At Moxon, Corbin, Wickes, Bernice and Wilder, west-bound freight trains must take siding when meeting east-bound trains. See rule 53.

Helper Engines on east-bound freight trains must cut loose at Amazon and not proceed until notified the tunnel is clear.

Corbin, Moxon and Wilder must be used as passing tracks only. Under no circumstances must cars be set out on these tracks.

N. P. Ry. Trains using track between N. P. Junction and Amazon will register arrival and departure in registers placed at these points, will be run on special orders and will be governed by M. C. Ry. time tables and rules. M. C. Ry. trains will not register at N. P. Junction or Amazon.

Interlocking plant at N. P. Crossing 0.8 miles east of Butte is governed by book of "Rules for the operation and maintenance of interlocking plants."

## JUNCTIONS.

### Pacific Junction:

Switch set for Montana Division (east point of frog.)

### West Great Falls;

Switch set for Montana Central Railway—west.

### Great Falls (East Side:)

Wye switch at east end of Missouri River Bridge set for freight yard.

### Allen:

Switch set for Neihart line.

### Lewis:

Switch set for Stockett line.

### Monarch;

Switch set for Neihart line.

## TUNNELS,

- No. 1, 2½ miles west of Hardy.
- No. 2, 1 mile west of Mid Canon.
- No. 3, 2½ miles east of Craig.
- No. 4, 3 miles east of Mitchell.
- No. 5, ¾ of a mile east of Mitchell.
- No. 6, between Portal and Amazon.
- No. 7, 2 miles east of Basin.
- No. 8, ½ mile west of Wilder.
- No. 9, 1¼ miles west of Wilder.
- No. 10, 2½ miles west of Woodville.
- No. 11, 1½ miles east of B. & M. Siding.
- No. 12, 2 miles west of Teton.
- No. 13, ½ mile east of Benton.

## REFERENCE MARKS.

s, stop; f, stop on signal or let off passengers; ¶, meals; D, day telegraph office; N, night telegraph office; W, water station; X, railroad crossing; O, track scales; C, coaling station; T, turntable; Y, wye; J, junction.

## TERMINAL STATIONS.

Pacific Junction, Clancy, Woodville.	Great Falls, Butte, Stockett,
Neihart.	

## REGISTERING STATIONS.

Pacific Junction, Helena, Woodville, Allen, Belt, Neihart.	Great Falls, Clancy, Butte, Stockett, Monarch,
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## STANDARD CLOCKS.

Great Falls, Dispatcher's Office.  
Clancy.  
Butte.  
Stockett.  
Neihart.

(See Rule 3.)

## YARD LIMITS.

Great Falls.—West limit 60 ft. west Sun Rver Section House; east limit, 1,500 feet east of 6th St. bridge; Neihart branch limit, 1 mile west of west yard switch.

Helena.—From yard limit board east of N. P. Crossing to Helena Lumber Company's spur west of Helena.

Clancy.—1000 feet east of east switch to 1000 feet west of west switch.

Butte.—1000 feet east of east switch at Woodville.

Belt.—From 1000 feet east of Neihart Lumber Co. spur to west switch at Armington.

(See rule 69.)

## SPEED RESTRICTIONS.

Between Riceville and 3 miles east of B. & M. Siding trains must not exceed 15 miles per hour. Freight trains between Woodville and Clancy will not exceed 18 miles per hour.

All trains will run carefully through tunnels and around sharp curves.

## WATER TANKS BETWEEN STATIONS.

Box Elder—4 miles east.	
Big Sandy—1 mile East.	Riceville—1 mile West.
Flowerec—1 mile West.	Johns—1½ miles west.

(See Rule 53.)

## DERAILING SWITCHES.

Flood Passing Track.	East end Industry track, Basin.
East end Moxon passing track.	East leg "Y" Bernice
East end Corbin passing track.	East end passing track, Wilder.
East end track No. 2, Portal.	B. & M. Siding, both tracks.
Barker Branch, ¾ of a mile west of Monarch.	

Trains and engines using these tracks must always expect to find above switches set for derail.

J. A. MacKINNON, Chief Train Dispatcher.



**HAULING CAPACITY OF DIFFERENT CLASSES OF ENGINES, IN NET TONS, IN ADDITION TO WEIGHT OF ENGINE, TENDER AND CABOOSE.**

SUB-DIVISIONS OF ROAD.	CLASSES OF ENGINES.																											
	CLASS 44. Nos. 800-807.				CLASS 45 A. Nos. 770-779.				CLASS 38. Nos. 600-615.				CLASS 39. Nos. 500-565.				CLASS 43. Nos. 450-476.				CLASS 37. Nos. 400-426.				CLASSES 35 and 36 Nos. 300-359.			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>GREAT FALLS LINE:</b>																												
Havre to Great Falls.....									1400	1275	1225	1100	1200	1075	1025	900	1150	1050	1025	925	1100	1000	950	850	950	875	800	725
“ “ Time Freight.....									1275	1225	1175	1075	1075	1025	975	875	1050	1000	950	900	1000	950	900	825	875	825	775	700
Great Falls to Havre.....									1600	1450	1375	1250	1400	1275	1225	1100	1350	1225	1175	1050	1300	1175	1125	1025	1100	1000	950	900
“ “ Time Freight.....									1450	1375	1325	1225	1275	1225	1175	1075	1225	1175	1125	1025	1175	1125	1075	1000	1000	950	900	875
<b>GREAT FALLS-CLANCY:</b>																												
Great Falls to Clancy.....	1200	1075	1025	925	1075	975	925	850	975	875	825	750	900	825	775	700												
“ “ Time Freight.....	1075	1025	975	900	975	925	900	825	875	825	800	725	825	800	750	675												
Clancy to Helena.....	1800	1625	1550	1400	1650	1500	1425	1300	1550	1400	1325	1200	1475	1325	1250	1125												
Helena to Silver.....	1000	900	850	800	900	825	800	725	775	700	675	600	725	650	625	575												
Silver to Great Falls.....	1750	1575	1500	1350	1600	1450	1375	1250	1450	1300	1250	1125	1325	1200	1150	1050												
<b>CLANCY-WOODVILLE:</b>																												
Clancy to Woodville.....	575	525	500	450	525	475	450	425	425	375	350	325																
“ “ Time Freight.....	525	500	475	425	475	450	425	400	375	350	325	300																
Woodville to Clancy.....	1200	1075	1025	950	1080	975	950	925	825	775	750	725																
<b>BRANCHES:</b>																												
Great Falls to Belt.....									800	725	700	650	725	650	625	600	700	625	600	575	650	600	575	550	550	500	475	450
Belt to Monarch.....																					500	450	425	400	425	400	375	350
Monarch to Neihart.....																					225	200	175	150	200	175	150	125
Monarch to Barker.....																					350	325	300	275	250	225	200	175
Neihart or Barker to Wayne.....																					1000	900	850	800	850	775	750	725
Wayne to Great Falls.....									1500	1350	1300	1200	1350	1225	1175	1125	1300	1200	1150	1100	1250	1125	1075	1025	1100	900	850	825

**WEATHER RATINGS:**—1. 20 degrees or more above zero,  
 2. Frosty or wet rail, 10 to 20 degrees above zero or strong quartering or head wind.  
 3. 10 degrees above zero to zero.  
 4. Zero and below.

**EMPTY CARS:**—When more than 10 empty cars are hauled in train add 15,000 lbs to actual weight of 100,000 lbs capacity WOODEN ore cars, and 10,000 lbs to actual weight of steel ore and all other empties for wheel friction.  
 No reduction in these ratings shall be made without authority from Chief Dispatcher.

**CONDITION OF ENGINES:**—Engines leaving terminals, unable to handle these ratings, must be reported by Master Mechanic or Round House Foreman to Chief Dispatcher, who will direct such reduction in rating for such engines as may be warranted.  
 Engineers unable to handle ratings will wire report to Chief Dispatcher and Master Mechanic over their own signatures stating the cause of the trouble and asking for instructions.



## CONTENTS OF MEDICAL CASE.

### Conductors Must Study and Familiarize Themselves with the List of Articles in the Case, and Their Uses.

- No. 1. Rubber Bandage and Tourniquet, for stopping hemorrhage; apply on sound flesh above the wound, draw tightly each time, and encircle the limb until the whole bandage is used. **Fasten securely** in slot.
- No. 2. Twelve Assorted Muslin Bandages, to hold dressing in place, assist in stopping hemorrhages, and hold splints upon fractured limbs; wind around the injured part **from below upward**.
- No. 3. Six packages of Borated Gauze, a prepared dressing for open wounds, always used to cover large wounds; **apply wet** (by dipping in solution, see No. 7) directly to the wound.
- No. 4. Four packages Absorbent Cotton. This is for making compresses, and to assist in covering a large wound; **Do not apply directly to the wound**.
- No. 5. One ounce Styptic Cotton. This Cotton is permeated with a substance which stops small hemorrhages; apply directly to small wounds and hold in place with muslin bandage.
- No. 6. Two ounces Bicarbonate Soda, for burns and scalds, one tablespoonful to a quart of water; saturate a piece of the gauze and apply over a burn or scald, and fasten with bandage.
- No. 7. One bottle Corrosive Sub. Tablets. These small tablets are to be dissolved in clean water, preferably warm, in the proportion of one tablet to a pint of water; with this solution you disinfect a wound and keep it free from infection. **THEY ARE POISONOUS** if swallowed or the solution be drunk.
- No. 8. Four Surgical Needles, to be used for closing small cuts or jagged wounds. after thoroughly cleansing with the sublimate solution.
- No. 9. One pair Scissors, used in cutting dressings, bandages, clothing, etc.
- No. 10. One pair Forceps, used for removing bits of gravel, and to seize a bleeding artery while it is being tied.
- No. 11. One dozen Envelope Catgut (two sizes), to be used in tying an artery when it is seen free and bleeding in a wound also for closing small wounds. **Never Save any Catgut** once the envelope is open. Note directions on envelope.
- No. 12. One Roll Adhesive Plaster, for closing small torn or cut wounds after they are cleansed with the sublimate solution. **It needs no heat; apply directly to the skin, which must be perfectly dry.**
- No. 13. One Cake Red Cross Soap, used in cleansing an injured part around a wound.
- No. 14. One Can Chloroform, for anæsthesia.
- No. 15. One Ounce Antiferbine, an antiseptic powder for dusting on fresh wounds.
- No. 16. One Hand Brush, for brushing the hands and nails thoroughly with the Red Cross Soap before handling an open wound.
- No. 17. One Enamel Tray, for corrosive sublimate solution (see No. 7).
- No. 18. One Yard Wire Gauze, for making splints (see directions under fractures, No. 5).
- No. 19. One Dozen Safety Pins.
- No. 20. One Pyramid of Pins.

### RULES FOR TREATMENT OF THE INJURED IMMEDIATELY AFTER AN ACCIDENT.

1. Shock. This condition usually follows every severe injury. The chief point is to restore heat to the body as soon as the injured person is put in a comfortable position. Do this by covering with heavy coats, previously warmed, if practicable. Cut off the shoes or boots and wrap the feet in a warmed coat or blanket. Give only small dose of whiskey in hot water.

2. Hemorrhage (Bleeding). This follows shock, and is rarely severe until reaction takes place. Too much stimulation increases hemorrhage and for this reason it is best to give only a little stimulant, well warmed, and repeat the dose if reaction is delayed.

Bleeding of two kinds: First, arterial, when the blood comes out bright and red and in spurts. Second, venous, when the blood is dark and flows in an even stream.

A. To stop hemorrhage when the wound is large and the blood come out in spurts. Apply the rubber band tightly just above the wound, previously raising the wounded part, especially if it be a limb. Be careful to put the band on **UNINJURED FLESH** if the limb be badly crushed and about three inches above the crushed tissues, else it would slip down and increase the hemorrhage. **Be very careful to see that the band be firmly fixed** before leaving it. Small wounds, even though the hemorrhage be arterial, require only a firm compress of the sublimated gauze placed immediately over the wound and bandaged tightly in place with one of the muslin bandages. It is best after this to bandage firmly from the extremity (hand or foot) upward to beyond the wound with muslin bandages.

B. Venous bleeding, which occurs when the wound is shallow (does not go deeper than the skin), as a rule requires firm pressure over the wound and especially below it. If the wound be quite small, put a wad of styptic cotton into and over it and bandage tightly in place and then apply a bandage **from below upwards** over and beyond the wound. If the wound be extensive, fill it full of sublimated gauze and then put a thick wad of absorbent cotton over it and **bandage tightly from below upward**.

C. Bleeding from the head, if only the scalp is involved, may be controlled by bringing the wounded or torn surfaces together and applying along the wound a thick layer of styptic cotton, and over this another layer of absorbent cotton and a tight bandage. It is well to pass the bandage under the chin if the wound be on the top of the head, as it holds it firmer and tighter.

3. Remove the clothing from the wounded part by cutting it away. Do not attempt to tear or draw clothing off, as this may further injure the wounded part. Always see the wound and know by your eye just what the nature of it is.

4. After Hemorrhage has been stopped. The next point is to prevent the wound from being infected and thus prevent blood poisoning. To accomplish this the wound should be cleaned if badly soiled. If soiled by oil and soot or dirt, bathe it gently with a quantity of antiseptic soap and warm water. After it is apparently clean, wash it out carefully with a pint of warm water in

which one of the corrosive sublimate tablets has been dissolved, using a piece of gauze to do this. Then wet several layers of borated gauze in a fresh solution of the same strength used in washing the wound and lay them over the wound and bandage place with a muslin bandage. Always cover an open wound with a piece of gauze wet in a solution of corrosive sublimate (one tablet to a pint of water) before transporting the wounded man. Never allow an open wound to remain unprotected longer than the time employed in stopping hemorrhage. **Remember that a soiled covering is worse than none at all.**

5. Fractures. If a bone be broken in any of the limbs the member should be firmly fixed before the injured individual moved. If this be not done, great injury may result by the movements of the sharp fragments of the bone while the individual being transported. Use flat piece of wire gauze, broken or cut into strips long enough to reach beyond the two nearest joints. Do. A bundle of twigs or stout straws may also serve when nothing else is to be had. Always put one of the improvised splints on either side of the limb, then tie a bandage over the splints at either extremity and in the middle. If there be a wound treat according to the foregoing rules and then apply the splints, using some clean gauze as padding or some strips torn from clothing. If there be no wound, apply the splints over the trousers or sleeve. If nothing of any kind can be obtained to make a splint, the fractured leg or thigh to the sound one, or the fractured arm firmly to the side of the body, by a muslin bandage.

6. Compound fractures are fractures accompanied by a wound of the soft tissues at the point of fracture, so that the bone is exposed to the air. In these cases treat hemorrhage and the wound according to the foregoing rules and then apply splints. the bones project beyond the skin, remember to bring them back into place **by pulling** the extremity in the **direction of the placement**, never in the direction the bone normally should be, until the ends of the fragments are quite **free from any over-riding**. very careful always to **cover these WOUNDS** with the wet sublimate **GAUZE** and bandage it on.

7. Burns. Carefully remove the clothing by cutting it off, if the part be clothed, and apply immediately three or four thicknesses of the borated gauze wet in warm water, in which one tablespoonful of the bicarbonate of soda to the quart has been dissolved. As a rule never attempt to clean burns immediately after they occur. Cover the wounded part immediately as directed above and leave the cleansing to the surgeon afterward.

Extensive burns are attended by great shock as a rule, and require free stimulation. As burns are very rarely followed by hemorrhage, stimulants may be and should be given in considerable quantities.

8. Prostration from Excessive Heat. In these cases (not sunstroke) the face is pale, lips colorless or blue, breathing slow and quiet, pulse slow and very weak. Place the patient on his back, with his head level with his body, and loosen clothing. Apply heat to the surface of the body and extremities. Bathe the face with warm water into which a little alcohol or whiskey has been poured, and if he can swallow, give the patient an ounce of whiskey in as much warm water.

B. Prostration from Drinking too much Ice Water when Overheated. The face is red or even purple, the breathing heavy and irregular, pulse irregular. Loosen clothing, place on back with head slightly elevated. Give hot drinks, apply heat to spine and the extremities.

9. Position in which a Patient should be Placed after Injury. Injuries to the head require that the head be raised higher than the level of the body. In all cases, if practical, lay the patient on his back with the limbs stretched out in their natural position; loosen the collar and waistbands, and unless the head be injured, remember to have the head on the same level as the body. Do not bolster it up with anything.

### INSTRUCTION FOR STRETCHERS.

The equipment includes—

- 1 Stretcher,
- 1 Pair of Blankets,
- 1 Pillow,
- 1 Pillow Case,
- 1 Rubber Pillow Case,
- 1 Water Proof Cover,
- 1 Pair Wall Brackets,

The bedding and side pieces are to be kept strapped on the stretcher, and the latter placed on the wall bracket.

When about to use the stretcher, unbuckle the straps from the side pieces which hold down the bedding, and buckle them tightly underneath, to guard against the breaking of a spring; place the side pieces properly on the sides, place the rubber cover over the stretcher for protection against blood and discharges. The blanket is to be used double, as a cover for the patient.

Whenever necessary to do so, the patient may be lifted on the inner portion of the stretcher, resting on the springs, with lifting the whole stretcher. In cramped positions, and for purposes of examination, this will be found convenient.

When storing the stretcher away, fold the blanket and pillow neatly into a narrow, even and compact parcel, and envelope this in the rubber cover, folding in the ends first. Place this on the stretcher with the side pieces on top, to assist in holding it in position, then pass the straps through the keepers on the side pieces, and fasten all snugly in place. This will protect the bedding if properly done, from moths and wet. The whole stretcher should then be placed on the brackets.

The blanket should be taken out occasionally and shaken, to prevent damage from moths, as well as to keep it clean at all times. Replace at once, so that the stretcher is ready for immediate use whenever required.

The stretchers and bedding must not be used for any other purpose than in transporting injured persons.

Agents will be personally responsible for the care of property, and will be particular to take proper receipts whenever allowed to go out of his possession, and will notify his Division Superintendent when sent out and by whom.

STRETCHERS ARE KEPT AT HAVRE AND GREAT FALLS SHOPS.

### COMPANY SURGEONS.

A. F. LONGEWAY, Chief Surgeon,	- - -	Great Falls	T. J. MURRAY,	" - - - -	E
J. S. ALMAS, Surgeon,	- - -	Havre	C. E. K. VIDAL,	" - - - -	
W. C. RIDDELL,	- - -	Helena	X. L. ANTHONY	" - - - -	Sto
AUSTIN WARD, Surgeon,	- - -	Boulder			