

PLAINTIFF'S EXHIBIT

MAR-423

SECTION B
PAGE 20
10/15/10

GRIZZLY

FRICITION MATERIAL

for INDUSTRIAL USES

PREFACE TO GRIZZLY INDUSTRIAL FRICTION MATERIALS DATA.

The following pages contain data pertaining to friction materials for Cranes, Drag Lines, Shovels and other industrial equipments. This information has been obtained from reliable sources, but we are not responsible for inaccuracies. Always check the dimensions of lining required, the drum diameter, the number of bands, the number of pieces of lining per band and whether it is an external type or internal type braking mechanism.

Most industrial friction materials must be made to exact drum diameter. For this reason, industrial friction materials will be shipped from the factory only.

Prices shown are for one band only and are for the exact dimensions shown in these pages. If any variation in dimensions, there will be a change in list price.

Quotations on any special dimensions will gladly be made by application to the factory, 639 So. Clarence St., Los Angeles, Calif.

RECOMMENDATIONS

In every case, whether for external or internal type braking mechanism, where a friction material of 3/8" thick or thicker is used, we recommend the use of Grizzly 900-B blocks. Grizzly 900-B is available in widths of from 1" to 15", in thicknesses of from 3/8" to 2" and in lengths up to 20" long and in any drum diameter. It is available for external and for internal types of braking mechanisms.

Where segments of less than 3/8" thickness or where a continuous strip of longer than 20" and of 3/8" thickness or less is required, we recommend the use of Grizzly G-21 material for both internal and external types of braking mechanism. Grizzly G-21 is available in widths of from 1" to 6", in thickness of from 1/8" to 3/8" inclusive and in lengths to 25 feet. When continuous band strips of Grizzly G-21 are used, we recommend that the lining be sawed every 6" to 8" straight across the lining and down to the wire grid with a hack-saw so as to give added flexibility.

When continuous strips of longer than 20" and of 7/16" thickness or thicker is required, we recommend the use of Grizzly X-T, folded and compressed for both internal and external types of braking mechanisms. Grizzly X-T folded and compressed is available in all sizes of from 1" wide by 1/8" thick to 24" wide by 4" thick in any length required.

NOTE: To assure the operator of smoother operation and longer life, use Grizzly 900-B molded and Grizzly G-21 molded wherever possible.

SERVICE FUNCTION	MODEL	SIZE OF LINING			TYPE WIDE	DRUM		NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE	
		THICK	LONG	DIAM.		PER BAND	PER BAND				
BUCHTRUS - ERIE-(Cont'd.)											
Brake --- Crowd & Swing (One Band For Each)	10B	Ext.	2-1/2	x 5/16	x 44"	17-3/4	2	2	1	\$	9.55
	16B	"	3	x 3/8	x 63"	24	2	2	1		18.90
	43B	"	3	x 3/8	x 18"	33	1 or 2	2	2		10.80
	43B	"	4	x 3/8	x 110"	40	1 or 2	2	1		43.10
	75B	"	5	x 3/8	x 10"	11	1 or 2	2	2		9.85
	75B	"	5	x 3/8	x 10-1/2"	13	1 or 2	2	2		10.30
	120B	"	6-1/4	x 3/8	x 13"	15	1 or 2	2	2		16.90
	120B	"	7	x 3/8	x 13"	16	1 or 2	2	2		18.90
	120B	"	6-3/4	x 1/4	x 49"	18	1 or 2	1	1		23.05
	120B	"	7	x 1/4	x 49"	18	1 or 2	1	1		23.90
	200B	"	6	x 1/2	x 64"	25	2	2	1		53.35
	550	"	8	x 5/8	x 16"	20	2	2	2		44.50
	950B	"	8	x 3/4	x 21"	25-1/2	2 or 4	2	2		70.00
	950B	"	4	x 3/4	x 33"	27	2 or 4	2	2		55.00
Brake --- Hoist Drum	DA-2	"	3-1/2	x 5/16	x 87"	32	2	2	1		25.40
	10B	"	2-1/2	x 5/16	x 44"	17-3/4	2	2	1		9.55
	16B	"	3	x 3/8	x 63"	24	2	2	1		18.90
	20B	"	3	x 3/8	x 10-1/2"	35	1	1	6		18.90
	37B	"	4	x 1/2	x 12"	40	2	2	7		46.90
	43B	"	4	x 3/8	x 103-1/2"	40	2	2	1		40.55
	43B	"	4	x 3/8	x 110"	40	2	2	1		43.10
	50B	"	5	x 3/8	x 89"	38	2	2	1		43.75
	52B	"	5	x 1/2	x 9-5/8"	44	2	2	12		80.30
	75B	"	6	x 1/2	x 41"	34	2	2	1		34.15
	75B	"	6	or 52-1/2"	or 52-1/2"	42	2	2	1		43.75
	75B	"	6	x 1/2	x 52"	42	2	2	1		43.35
	75B	"	6	or 63-1/2"	or 63-1/2"	42	2	2	1		52.90
	120B	"	5	x 5/8	x 104"	36	2	2	1		50.15
	120B	"	6	x 5/8	x 105"	36	2	2	1		109.35
	120B Drag	"	8	x 5/8	x 182"	65	1	1	1		253.50
				or 18-1/4"	or 18-1/4"					254.00	
				or 9-1/4"	or 9-1/4"					257.41	

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
		TYPE	WIDE	THICK				
		BUCHSUS - ERIE (Contd.)						
Brake --- Hoist Drum	120B (Load)	Ext.	8	x 5/8	56	1	1	\$ 200.40
		" or 8	8	x 5/8			8	203.20
		" or 8	8	x 5/8			16	205.95
200B (Drag)		" .. 8	8	x 5/8	72	1	16	295.00
200B (Load)		" 10	10	x 3/4	78	1	16	441.65
550 (Motor)		" 8	8	x 5/8	20	1	2	44.55
950B (Motor)		" 8	8	x 3/4	25 1/2	1	2	70.00
Brake --- House	37B	"	3	x 1 1/2		1	4	20.00
Brake --- Main Clutch	16B	"	4	x 3/8	25	1	2	11.35
Brake --- Main Drum	37B	"	3	x 1 1/2	22	1	2	8.35
Brake --- Propelling	DA2	"	3-1/2	x 5/16	20		1	16.65
	43B	"	4	x 3/8	26		1	31.35
	52B	"	3	x 3/8	18		1	12.60
	52B, 55B	" .. 3	3	x 3/8	20		1	14.40
	75B	"	2	x 1/4	12		1	3.60
	120B	"	4	x 5/16	24		1	20.00
	120B	"	4	x 3/8	34		1	42.30
Brake --- Service	37B	"	3-1/2	x 1/2		1	1	16.50
Brake --- Traveling	37B	"	3	x 1/2	22	1	2	13.35
Clutch --- Booster	16B	"	2	x 5/16	11	4	2	3.00
	20B	"	1-1/2	x 1/4		4	2	4.10
	37B	"	2	x 3/8		4	1	7.90
	43, 43B	"	2	x 1/4	16	4	1	4.05
	43B	"	1-1/2	x 1/4	12	4	1	3.00
	45B	"	2	x 1/4	12	4	2	2.50
	55B	"	3	x 1/4	19		2	4.10
	120B	"	3	x 3/8	23	4	2	6.60
Clutch --- Crowd & Swing	DA2	"	2-1/2	x 1/4	16	4	1	6.60
	10B	Int.	2-1/4	x 1/4	15	4	1	4.85

MAR

004828

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND		
		TYPE	WIDE	THICK						
Clutch --- Crowd & Swing (Two Bands For Each)	BUCYRUS - ERIE (Contd.)									
	16B	Int.	3	x 5/16	x 11-1/4"	24	4	5	\$ 14.10	
	20B	"	3	x 3/8	x 12-1/2"	24	4	5	18.75	
	37B	Ext.	4	x 3/8	x 12"	24	2 or 4	5	23.50	
	37B	"	5	x 3/8	x 62-1/2"	24	2 or 4	1	30.75	
	43, 45B, 120B	"	5	x 3/8	x 74"	26	2 or 4	1	36.40	
	43B, 120B	"	4	x 3/8	x 74"	26	2 or 4	1	29.00	
	43B, 120B	"	8	x 1/2	x 12-1/2"	36	2 or 4	6	83.45	
	48B	"	4	x 3/8	x 110"	40	2 or 4	1	43.10	
	55B	"	5	x 1/2	x 15"	34	2 or 4	6	75.00	
	120B	"	4	x 5/16	x 54"	18	2 or 4	1	18.00	
	Clutch --- Hoist Drum	DA2	"	2-1/2	x 1/4	x 44"	16	1 or 2	1	6.60
		DA2	"	2-1/2	x 3/8	x 63"	24	1 or 2	1	22.85
		10B	Int.	2-1/4	x 1/4	x 36-1/2"	15	2	1	4.85
		16B	"	3	x 5/16	x 11-1/4"	24	2	5	14.10
20B		"	3	x 3/8	x 12-1/2"	24	2	5	16.75	
37B		Ext.	4	x 1/2	x 12"	35	1 or 2	9	60.30	
43B		"	4	x 3/8	x 110"	40	1 or 2	1	43.10	
48B		"	8	x 1/2	x 12-1/2"	48	1	10	139.05	
50B		"	5	x 3/8	x 96"	38	1 or 2	1	48.20	
52B, 55B		"	5	x 1/2	x 9-5/8"	44	1 or 2	12	80.30	
75B, 120B		"	6	x 1/2	x 11-1/4"	44	1 or 2	10	93.75	
120B		"	4	x 3/8	x 37"	34	1 or 2	2	29.00	
120B		"	8	x 1/2	x 14-3/4"	36	1 or 2	6	98.45	
120B		"	8	x 3/4	x 9"	56	1	16	240.00	
120B		"	8	x 3/4	x 9"	65	1	20	300.00	
175B	"	8	x 3/4	x 9-7/32"	51	1	12	188.74		
175B	"	12	x 1-3/4	x 10-1/8"	53-1/2	1	15	886.50		
200B	"	8	x 5/8	x 13-1/4"	72	1	16	295.00		
200B	"	10	x 3/4	x 13-1/4"	78	1	16	441.65		
Brake --- Drag.	BUCYRUS - MONIGHAN									
	57, 5150	"	10	x 1-1/8	x 10"	64	1	19	562.50	
	10W	"	10-1/2	x 1-1/8	x 10-7/16"	90	1	23	787.50	

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO PIECES PER BAND	LIST PRICE PER BAND	
		TYPE	WIDE	THICK					LONG
			BUCYRUS - MONIGHAN (Contd.)						
Brake --- Drag	6160	Ext. 12 or 5	x 1-1/8 x 1-1/8	x 8" x 8"	65 35	1 1	21 42	\$ 630.00 630.00	
Brake --- Load Hoist	6W	" 6	x 1-1/8	x 8-1/4"	64	1	42	649.70	
	10W	" 10-1/2	x 1-1/8	x 10-7/16"	80	1	21	719.30	
	6150	" 12	x 1-1/8	x 8-5/16"	65	1	20	623.45	
		or 6	x 1-1/8	x 8-5/16"	65	1	40	623.45	
	6160	" 15 or (10 (5	x 1-1/8 x 1-1/8 x 1-1/8	x 9-3/4" x 9-3/4" x 9-3/4"	65 65 65	1 1 1	17 17 17	776.95 517.96 259.35	
Clutch --- Drag.	6W	" 6	x 1-1/8	x 8-1/4"	64	1	21	324.85	
	10W	" 8	x 1-1/8	x 8-1/4"	72	1	24	495.00	
	6150	" 6	x 1-1/8	x 8-5/16"	60	1	20	311.75	
	6160	" 6	x 1-1/8	x 8"	60	1	18	270.00	
Clutch --- Load Hoist	6W	" 6	x 1-1/8	x 8-5/16"	64	1	18	280.55	
	10W	" 7	x 1-1/8	x 8-1/4"	72	1	24	433.15	
	6150	" 6	x 1-1/8	x 8-5/16"	60	1	18	280.55	
	6160	" 6	x 1-1/8	x 8"	54	1	16	240.00	
EYERS - MACHINE CO.									
Brake --- Boom Hoist		" 2-1/2	x 1/4	x 27-1/4"	12	1	1	4.10	
		" 2-1/2	x 3/8	x 30"	14	1	1	7.90	
Brake --- Hoist Drum	Bearcat Jr.	" 3-1/2	x 1/4	x 49"	17	2	1	10.80	
	Master	" 5	x 3/8	x 80"	34	2	1	39.35	
	55.60	" 3-1/2	x 1/4	x 62"	21	2	1	15.70	
	70.80	" 3	x 3/8	x 58"	24	1 or 2	1	17.40	
	70.80	" 4	x 3/8	x 59"	25	1 or 2	1	23.10	
		" 3	x 3/8	x 60"	22	2	1	16.00	
Brake --- Pronelling	Master	" 3-1/2	x 3/8	x 60"	22	2	1	21.75	
Brake --- Swing	62	" 3	x 3/8	x 40"	16	2	1	14.00	

SERVICE FUNCTION	MODEL	SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.		
				TYPE	WIDE	THICK		LONG	
BYERS — MACHINE CO. (Contd.)									
Brake — Drums	401, 601	Clutch — Booster	Master	Ext.	2-1/2	x 5/8	x 10-1/2"	10	
	401, 601		"	2	x 1/4	x 23-1/2"	10		
	603		"	1-1/2	x 1/4	x 23-1/2"	10		
Brake — Propelling	501, 701	Clutch — Crowd & Swing	Bearcat Jr.	Int.	3	x 3/8	x 39"	14	
	501, 701		Master	"	4	x 3/8	x 57"	21	
Clutch — Crowd & Hoist	301, 501		31	"	3-1/2	x 3/8	x 50"	19	
	301, 501		40, 55, 60, 70, 80	"	3	x 3/8	x 43"	17	
	401, 603		45, 55, 60, 62	"	3	x 3/8	x 39"	14	
	501		70, 80	"	4	x 5/16	x 42"	16-1/4	
	502		100, 125	"	4	x 3/8	x 57"	21	
	601		105, 125	"	5	x 3/8	x 57"	21	
Clutch — Swing	301, 701		Clutch — Hoist Drum	Bearcat Jr.	Ext.	3-1/2	x 1/4	x 49"	17
	301			Master	Int.	3-1/2	x 3/8	x 76"	30
	376	55, 60, 62		Ext.	3-1/2	x 1/4	x 60"	21	
	401	70, 80		Int.	3	x 3/8	x 58"	21	
	501, 601	128		"	3-1/2	x 3/8	x 70"	26	
Brake — Boom Hoist	101	Brake	2065	"	3	x 3/8	x 82"	32	
	601		Clutch	EUGLID					
	801			Disc.	7-1/4	U. S.	559		
Brake — Crowd	101, 100	Brake		GENERAL					
	601, 100		Ext.	2-1/2	x 5/16	x 70"	28		
Brake — Drums	301	Brake — Hoist	Invincible	"	2-1/2	x 5/16	x 70"	28	
	301		"	1-1/4	x 1/4	x 32"	12		
	Brake — Crowd		"	2-1/2	x 5/16	x 74"	28		
			"	2-1/2	x 5/16	x 74"	28		
			"	3	x 5/16	x 52"	20		
Brake — Hoist	301	Brake — Swing	Ext.	3	x 3/8	x 70"	26		
	301		"	3	x 3/8	x 14"	26		

SERVICE FUNCTION	MODEL	SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.
				TYPE	WIDE	THICK	
Brake --- Drums	401, 601	Clutch --- Booster	Master	Ext.	2-1/2	x 5/8 x 10-1/2"	10
	401, 601		"	2	x 1/4 x 23-1/2"	10	
	603		"	1-1/2	x 1/4 x 23-1/2"	10	
Brake --- Propelling	501, 701	Clutch --- Crowd & Swing	Bearcat Jr.	Int.	3	x 3/8 x 39"	14
	501, 701		Master	"	4	x 3/8 x 57"	21
Brake --- Swing	501, 701	Clutch --- Crowd & Hoist	31	"	3-1/2	x 3/8 x 50"	19
	301, 501		"	3	x 3/8 x 43"	17	
Clutch --- Crowd & Hoist	301, 501	Clutch --- Hoist Drum	40, 55, 60, 70, 80	"	3	x 3/8 x 39"	14
	301, 501		45, 55, 60, 62	"	3	x 3/8 x 42"	16-1/4
	401, 603		70, 80	"	4	x 5/16 x 57"	21
	501		100, 125	"	4	x 3/8 x 57"	21
	502		105, 125	"	5	x 3/8 x 57"	21
	601						
Clutch --- Swing	701	Brake --- Drums	Bearcat Jr.	Ext.	3-1/2	x 1/4 x 49"	17
	301		Master	Int.	3-1/2	x 3/8 x 76"	30
	376		55, 60, 62	Ext.	3-1/2	x 1/4 x 60"	21
	401		70, 80	Int.	3	x 3/8 x 58"	21
	501, 601		128	"	3-1/2	x 3/8 x 70"	26
	502		2065	"	3	x 3/8 x 82"	32
Brake --- Boom Hoist	101	Brake --- Drums	301	Ext.	3	x 3/8 x 70"	26
	601		"	3	x 3/8 x 14"	26	
Brake --- Crowd	101	Brake --- Drums	301	Ext.	3	x 3/8 x 70"	26
	601, 100		"	3	x 3/8 x 14"	26	

SERVICE FUNCTION	MODEL	SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.
					WIDE	THICK	
LIMA (Contd.)							
Clutch --- Hoist Drum	K30	Brake --- Hoist Drum	101	Ext.	5-1/4	x 5/16	78" 26
	K30		601	"	4	x 5/16	133" 48
	K55		602	"	5	x 5/16	134" 49
			801, 1001, 1201	"	5	x 5/16	140" 52
			801, 1001, 1201	"	5	x 5/16	154" 54
Clutch --- Swing	K30	Brake --- Propelling	101	"	5-1/4	x 5/16	39" 15
	K48		601	"	4	x 3/8	46" 18
	K55						
K480		601, 602	"	3	x 5/16	53" 18	
Brake --- Crowd	30	Clutch --- Booster	601	"	3-1/2	x 1/4	39" 14
	40		601	"	2	x 1/4	46" 17
	75, 75A		602, 1001	"	3-1/2	x 5/16	40" 16
			801	"	3-3/4	x 1/4	43" 16
			801	"	3	x 1/4	46" 18
Brake --- Hoist Drum	27, 30	Clutch --- Crowd & Swing	101	"	5-1/4	x 5/16	78" 26
	35, 45, 55		601	Int.	4-1/2	x 5/16	33" 25
	37, 40		602	"	5	x 5/16	33" 25
	40 (Boom)		801	"	5	x 5/16	12-5/8" 28
	75, 75A, 79, 80		1001	"	6	x 5/16	74" 28
	87, 95		1201	"	6	x 1/2	12-5/8" 28
Clutch --- Booster	75, 75A, 77	Clutch --- Hoist Drum	101	Ext.	5-1/4	x 5/16	78" 26
	95		601, 602	Int.	4	x 5/16	130" 43
			801, 1001, 1201	"	4	x 5/16	144" 47
Clutch --- Crowd & Swing	27, 30, 35, 45, 55, 40 Some	Brake --- Hoist Drum	K48	Ext.	5	x 3/8	56" 42
	75, 75A ..		K55	"	5	x 3/8	90" 42
			K55	"	6	x 1/2	126" 49
			K480	"	8	x 1/2	136" 49
				"	5	x 3/8	120" 42

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
		TYPE	WIDE	THICK				
			LORAIN (Contd.)					
Clutch --- Crowd & Swing	75A, 75B	Ext.	3-1/2	x 5/16	20	2	1	\$ 14.00
	75B, 77	Int.	4-1/2	x 3/8	24	4	4	31.05
	79, 80	"	4	x 3/8	24	4	4	26.05
	87, 95	"	5-1/2	x 3/8	24	4	4	42.55
		"	5-1/2	x 3/8	24	4	1	42.55
Clutch --- Hoist Drum	27, 30	"	2-1/2	x 1/4	20	2	1	8.40
	35, 45, 55	"	3	x 5/16	34	2	1	24.80
	37, 40 Some	"	2-1/2	x 1/4	24	2	1	9.75
	37, 40 Some	"	2-1/2	x 1/4	24	2	1	10.80
	60, 75, 75A	"	3-1/2	x 5/16	36	2	1	30.60
	75B, 77, 79, 80	"	3-1/2	x 5/16	36	2	1	30.60
	87, 95	"	4-1/2	x 3/8	40	2	4	57.85
		"	2-1/2	x 1/4	20	2	1	8.40
		"	3	x 5/16	34	2	1	24.80
		"	2-1/2	x 1/4	24	2	1	9.75
Brake --- Crowd	381	Ext.	4	x 3/8	42	1	1	14.10
	450	"	4	x 3/8	42	1	1	26.65
		"	3	x 3/8	14	1	1	10.80
Brake --- Hoist Drum	38A	"	4	x 3/8	40	2	1	43.10
	39A	"	5-1/2	x 3/8	40	2	1	58.65
	40A	"	5-1/2	x 3/8	52	2	2	81.65
	360	"	14	x 1-1/2	84	2	19	1212.25
	371	"	4-1/2	x 1/2	42	2	1	25.15
	450	"	4-1/2	x 1/2	26	2	1	45.30
	471	"	4	x 3/8	40	2	1	28.20
		"	4-1/2	x 3/8	40	2	1	19.60
	480	"	4-1/2	x 3/8	34	2	1	33.60
	4101	"	5-1/2	x 1/2	46	2	1	73.60
	4161	"	6	x 3/4	62	2	1	65.00
	5120	"	10	x 3/4	48	1	1	86.25
	5120	"	10	x 3/4	48	1	1	325.00
		"	10	x 3/4	48	1	1	258.25
		"	10	x 3/4	48	1	1	275.00

MARION

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
		TYPE	WIDE					
			THICK	LONG				
		MARION (Contd.)						
Brake --- Main Drive	360	Ext.	10.	x 1-3/4	x 7-1/8"	28	2	\$ 346.50
	5120	"	10	x 1/2	x 22-1/2"	28	1	93.65
Brake --- Propelling	40A	"	4	x 3/8	x 40"	26	2	31.35
	371, 381, 471	"	4	x 3/8	x 36"	24	2	28.20
	4161	"	5	x 3/8	x 92"	30	2	45.25
Brake --- Swing	4101	"	3-1/4	x 1/4	x 26"	10	1	5.75
	4161	"	3	x 1/2	x 12"	14	1	10.00
Clutch --- Booster	38A, 381, 471	"	1-1/2	x 1/4	x 31"	14	1	3.10
	39A, 40A	"	2-1/2	x 1/4	x 48"	20	1	7.20
	371	"	2	x 1/4	x 44"	16	1	4.60
	381, 471	"	2	x 1/4	x 43"	15	1	5.40
Clutch --- Crowd & Hoist	37	"	4-1/2	x 3/8	x 96"	36	1 or 3	44.80
	37, 480	"	4-1/2	x 1/2	x 14"	36	1 or 3	61.65
	38A, 39A	"	4	x 3/8	x 108"	40	1 or 3	42.30
	40A	"	4	x 3/8	x (64"	52	1	25.05
		"	4	x 3/8	(70"	52	1	27.40
	360	"	6-1/8	x 2	x 10-1/2"	68	1 or 2	656.00
	360	"	9-1/8	x 2	x 10-1/2"	82	1 or 2	1132.80
	371, 381, 471	"	4	x 3/8	x 112"	42	1 or 3	43.85
	381	"	4	x 3/8	x 34"	26	1 or 3	26.65
	450	"	3-1/2	x 3/8	x 63"	24	1 or 3	22.85
	480	"	5-1/2	x 1/2	x 96"	34	1 or 3	73.60
	4101	"	5	x 1/2	x 62"	46	1 or 2	86.30
	4101	"	5	x 1/2	x 64"	48	1 or 2	89.05
	4120	"	6	x 3/4	x 60"		1	75.00
		"	6	x 3/4	x 66"		1	82.50
	4160	"	6	x 3/4	x 82"	62	2	102.50
		"	6	x 3/4	84"		1	105.00
	5120	"	6	x 1/2	x 10-1/4"	48	1 or 2	102.50
5120	"	6	x 3/4	x 146"	56	1 or 2	132.50	

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE
			WIDE	THICK				
			MARION (Contd.)					
Clutch --- Swing	371	Ext.	4	x 3/8	26	2	1	\$ 26.65
	371, 381, 384	"	5	x 1/2	30	2	8	57.05
	471	"	5	x 5/8	28	2	1	35.40
			MICHIGAN					
Brake --- Boom	T-6	Ext.	3-1/2	x 5/16	15	1	2	12.85
Brake --- Crowd	T-6	"	3-1/2	x 5/16	15	1	2	12.85
Brake --- Hoist	T-6	"	3-1/2	x 5/16	15	1	2	12.85
			NORTHWEST.					
Brake --- Hoist Drum	2	Ext.	3-1/2	x 1/4	28	1 or 2	1	18.10
	2	"	4	x 1/2	30	1 or 2	1	46.90
	6	"	4-1/2	x 3/8	36	1 or 2	1	41.10
	8	"	5	x 3/8	44	1 or 2	1	47.70
Clutch --- Booster	2, 6, 8	"	3	x 5/16	8	4	1	5.50
Clutch --- Crowd & Hoist	2	Int.	3	x 1/2	22	1 or 2	8	25.40
	6	"	4	x 1/2	36	1 or 2	1	49.15
	6, 8	"	4	x 1/2	30	1 or 2	8	46.35
	8	"	4	x 1/2	38	1 or 2	6	60.30
			OSGOOD					
Brake --- Crowd & Hoist	Chief	Ext.	3-1/2	x 1/2	40	1 to 3	1	52.65
	Chief	"	4	x 1/2	40	1 to 3	1	61.40
	Chief, Victor	"	3-1/2	x 1/2	36	1 to 3	10	48.75
	Chief, Victor	"	3-1/2	x 3/8	36	1 to 3	1	35.50
	Conqueror	"	3-1/2	x 3/8	36	3	1	37.35
Clutch --- Booster	Chief	"	2	x 1/4	18		2	4.50
	Conqueror	"	1-1/2	x 1/4	16		1	4.20
	Victor	"	1-1/2	x 1/4	16		1	4.20
Clutch --- Crowd & Hoist	Chief	"	3	x 3/8	31	1 to 4	1	9.30
	Chief	"	3-1/2	x 1/2	40	1 to 4	11	54.95

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND	
		TYPE	WIDE						
			THICK	LONG					
OSGOOD (Contd.)									
Clutch --- Crowd & Hoist	Conqueror	Ext.	3-1/2	x 3/8	x 108"	36	1 to 4	1	\$ 39.15
	Conqueror	"	3-1/2	x 1/2	x 10-1/4"	36	1 to 4	10	49.95
Clutch --- Swing	Chief	"	3-1/2	x 3/8	x 60"	24	2	1	21.75
	Conqueror	"	4	x 1/2	x 10-7/8"	24	2	6	36.45
	Conqueror	"	5	x 3/8	x 60"	24	2	1	29.50
	Victor	"	4	x 3/8	x 60"	24	2	1	23.50
	906 (2 yard)	"	4	x 1/2	x 8-5/8"	27	2	8	38.50
P. AND H.									
Brake --- Boom Hoist and Travel	300	Ext.	3	x 1/4	x 21"	14	1	1	3.95
	700, 700B	"	3	x 1/4	x 14-1/2"	14	1	1	2.75
		"	3-1/2	x 5/16	x 23-1/2"	18	1	1	6.85
	760	"	3-1/2	x 5/16	x 26"	18	1	1	7.60
	760, 765, 780	"	3-1/2	x 5/16	x 25"	21	1	1	7.30
		"	3-1/2	x 1/4	x 34"	21	1	1	9.90
	800	"	3	x 1/4	x 24"	10	1	1	4.50
	800, 810	"	5	x 3/8	x 16"	10	2	2	15.75
	800, 810	"	3-1/2	x 5/16	x 23-1/2"	18	1	1	6.85
		"	3-1/2	x 5/16	x 26"	18	1	1	7.60
	800, 810	"	5	x 3/8	x 66"	24	1	1	32.45
	Brake --- Hoist Drum	100	"	2-1/2	x 1/4	x 46"	18	1 or 2	1
300		"	3	x 1/4	x 24-1/2"	22-1/2	1 or 2	1	4.60
300		"	3	x 1/4	x 29-1/2"	22-1/2	1 or 2	1	5.55
		"	3	x 3/8	x 54"	22-1/2	1 or 2	1	16.20
700, 700B		"	5	x 3/8	x 38"	35	1 or 2	1	18.70
Brake --- Hoist Drum	700B	Ext.	4	x 3/8	x 65"	30	1 or 2	1	27.55
	750, 760, 765, 780	"	5-1/2	x 3/8	x 38"	30	1 or 2	1	25.45
	760, 765	"	5-1/2	x 3/8	x 42"	30	1	1	21.85
		"	7	x 3/8	x 38"	35	2	2	24.15
	760, 765	"	7	x 3/8	x 99"	39	1 or 2	1	55.30
	800	"	5	x 7/8	x 12-1/8"	39	1 or 2	8	72.00
									117.60

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND	
			WIDE	THICK					
			P. AND H (Contd.)						
Brake — Holst Drum	800	Ext.	7	x 1	x 12-1/2"	40	1 or 2	8	\$ 194.60
	800	"	5	x 7/8	x 12-7/8"	42	1 or 2	8	124.90
	800	"	7	x 7/8	x 12-7/8"	42	1 or 2	8	175.10
	810	"	6	x 7/8	x 54-1/2"	44	1 or 2	2	158.85
	810	"	8	x 7/8	x 52-1/2"	40	1 or 2	2	204.30
	900	"	7	x 3/4	x 16"	48	1 or 2	8	186.55
	900	"	9	x 3/4	x 16"	48	1 or 2	8	240.00
	900	"	7	x 1	x 16"	52	1 or 2	8	249.05
	900	"	9	x 1	x 16"	52	1 or 2	8	320.00
	955	"	7	x 3/8	x 57"	40	1 or 2	1	41.45
	955	"	7	x 3/8	x 50"	40	1 or 2	1	36.40
	955	"	6	x 3/8	x 53"	40	1 or 2	1	31.80
Brake — Swing	1400	"	6	x 3/8	x 50"	40	1 or 2	1	30.00
		"	8	x 1/2	x 43-1/2"	35	2	2	96.80
	700, 700B	"	2-1/2	x 5/16	x 28"	27	1	1	6.05
	750, 760, 765	"	2-1/2	x 5/16	x 44"	27	1	1	9.55
Clutch — Booster	800, 810	"	2-1/2	x 5/6	x 28"	27	1	1	6.05
		"	2-1/2	x 5/6	x 44"	27	1	1	9.55
		"	3-1/2	x 3/8	x 29"	32	1	1	10.50
		"	3-1/2	x 3/8	x 36"	32	1	1	13.05
	300, 700, 700B	"	1-3/4	x 1/4	x 12-1/8"	10	2	2	2.65
	750, 760, 765, 780	"	1-3/4	x 1/4	x 12-1/8"	10	2	2	2.65
	800	"	2-1/2	x 3/8	x 35"	14	1	1	9.20
	800	"	3	x 3/8	x 44"	16	1	1	13.20
	810	"	2-1/2	x 3/8	x 44"	17	1	1	11.55
	900	"	3	x 3/8	x 58"	20	1	1	17.40
	955	"	1-3/4	x 5/16	x 22"	10	1	1	3.40
	Clutch — Crowd	800, 765	"	5	x 3/8	x 39-1/2"	33	1 or 2	1
100		"	5	x 3/8	x 48-1/2"	33	1 or 2	1	23.85
700E, 760, 765		"	2-1/4	x 1/4	x 50"	18	1	1	6.65
810		Int.	4	x 3/8	x 80"	30	1 or 2	1	31.35
			6	x 7/8	x 45-3/8"	38	2	1	66.15
			6	x 7/8	x 56-3/4"	38	2	1	62.70

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS		LIST PRICE		
		TYPE	WIDE	THICK		LONG	PER MACH.		PER BAND	
P. AND H. (Contd.)										
Clutch --- Hoist Drum	100	Ext.	2-1/4	x 1/4	x 48"	18	2	1	\$ 6.40	
	300	"	3	x 1/4	x 60"	22-1/2	2	1	11.25	
	700, 700B, 750	"	4	x 3/8	x 80"	30	2	1	31.35	
	760, 765, 780	"	4	x 3/8	x 80"	30	2	1	31.35	
	800	"	5	x 3/8	x 88"	33	1 or 2	1	43.25	
	800	"	5	x 3/8	x 98"	34	1 or 2	1	48.20	
	800	"	5	x 3/8	x 104"	35	1 or 2	1	51.15	
	800	"	5	x 3/8	x 122"	44	1 or 2	1	60.00	
	810	Int.	6	x 1/2	x 110"	42	2	1	91.65	
	900	Ext.	7	x 3/8	x 110"	40	1 or 2	1	80.00	
	900	"	7	x 1/2	x 110"	40	1 or 2	1	107.25	
	900	"	7	x 1/2	x 128"	50	1 or 2	1	124.80	
	955	"	4-1/2	x 3/8	x 100"	36	2	1	46.65	
	1400	Int.	7	x 1/2	x 14"	32	2	6	81.90	
Clutch --- Main Drive	800	Ext.	4	x 1/2	x 71"	30	1	1	39.65	
	800, 810	"	5	x 1/2	x 83"	30	1	1	57.75	
	900	"	6	x 3/8	x 94"	34	1	1	56.40	
Clutch --- Swing	100	Int.	3	x 1/4	x 38"	13-1/2	2	1	7.10.	
	300	"	3-1/2	x 1/4	x 36"	14	2	1	7.95	
	700, 700B	"	4-1/2	x 1/4	x 67"	25	2	1		
	750	"	4	x 3/8	x 78"	30	2	1	30.55	
	760, 765, 780	"	4-1/2	x 5/16	x 67"	25	2	1	26.25	
	800	"	4	x 1/2	x 78"	30	2	1	43.55	
	810	"	4-1/4	x 1/2	x 77-1/2"	30	2	1	46.20	
	900	"	4	x 1/2	x 110"	34	2	1	61.40	
	900	"	4-1/2	x 1/2	x 91"	34	2	1	57.25	
	955	"	6-1/2	x 3/8	x 70"	25	2	1	47.25	
	PAGE DRAG LINE									
	Brake --- Drag	615	Ext.	6	x 1/2	x 139-1/2"		1	1	116.25
	Brake --- Hoist	615	"	6	x 1/2	x 137-1/2"		1	1	114.60
	Clutch --- Drag	615	"	5	x 1/2	x 111-1/2"		1	1	77.80
Clutch --- Hoist	615	"	5	x 1/2	x 58"		1	1	41.05	
Clutch --- Swing	615	Int.	5	x 1-1/8	x 7-1/2"	36	2	15	176.00	

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
			WIDE	THICK					
				LONG	THICK				
			SPEEDRANE						
Brake --- Boom Hoist	3000B, 3500	Ext.	2-1/4	x 3/8	x 36"	14	1	1	\$ 8.85
Brake --- Drag	3000B	"	4	x 3/8	x 109"	42	1	1	42.70
	3500	"	4	x 3/8	x 14-1/2"	42	1	7	39.75
	3500	"	4-1/2	x 3/8	x 15"	42	1	7	49.00
Brake --- Hoist	3000--B	"	4	x 3/8	x 109"	42	1	1	42.70
	3500	"	4	x 3/8	x 14-1/2"	42	1	7	39.75
	3500	"	4-1/2	x 3/8	x 15"	42	1	7	49.00
Clutch --- Drag	3000B	"	4	x 3/8	x 64"	42	1	2	50.15
	3500	"	3-1/2	x 3/8	x 14-1/2"	42	1	8	42.05
	3500	"	4	x 3/8	x 14-1/2"	42	1	8	45.45
Clutch --- Hoist	3000B	"	4	x 3/8	x 64"	42	1	2	50.15
	3500	"	3-1/2	x 3/8	x 14-1/2"	42	1	8	42.05
	3500	"	4	x 3/8	x 14-1/2"	42	1	8	45.45
Brake --- Crowd Brake --- Hoist	LS40	Ext.	3	x 1/4	x 41"	14-1/2	1	1	7.70
	LS40	"	3	x 1/4	x 38"	14-1/2	1	1	7.10
	LS40	"	1-1/2	x 1/4	x 39"	14-1/2	2	1	3.90
Clutch --- Crowd	LS40	"	1-1/2	x 1/4	x 39-1/2"	14-1/2	2	1	3.95
Clutch --- Hoist	LS40	"	1-1/2	x 1/4	x 39-1/2"	14-1/2	4	1	3.95
Brake --- Hoist Drum	0	Ext.	3	x 3/8	x 52"	24	1	1	15.60
	45	"	3	x 5/16	x 61"		1	1	15.25
	75	"	3-1/2	x 3/8	x		1	1	
Clutch --- Crowd Clutch --- Hoist Drum Clutch --- Swing Clutch --- Travel	0	"	2-3/4	x 1/2	x 6-5/16"	16	2	8	19.35
	0	"	3	x 1/2	x 13"	30	2	5	27.10
	0	"	3	x 1/2	x 8-5/8"	18	2	6	21.55
	0	"	3	x 3/8	x 52"	24	1	1	15.60

SECTION B
PAGE- 7-A
JULY 18, 1940

CRIZZLY
Specifications of
FRICTION MATERIALS
for **INDUSTRIAL USES**

PREFACE TO GRIZZLY INDUSTRIAL FRICTION MATERIALS DATA.

The following pages contain data pertaining to friction materials for Cranes, Drag Lines, Shovels and other industrial equipments. This information has been obtained from reliable sources, but we are not responsible for inaccuracies. Always check the dimensions of lining required, the drum diameter, the number of bands, the number of pieces of lining per band and whether it is an external type or internal type braking mechanism.

Most industrial friction materials must be made to exact drum diameter. For this reason, industrial friction materials will be shipped from the factory only.

Prices shown are for one band only and are for the exact dimensions shown in these pages. If any variation in dimensions, there will be a change in list price.

Quotations on any special dimensions will gladly be made by application to the factory, 639 So. Clarence St., Los Angeles, Calif.

RECOMMENDATIONS

In every case, whether for external or internal type braking mechanism, where a friction material of $3/8$ " thick or thicker is used, we recommend the use of Grizzly 900-B blocks. Grizzly 900-B is available in widths of from 1" to 15", in thicknesses of from $3/8$ " to 2" and in lengths up to 20" long and in any drum diameter. It is available for external and for internal types of braking mechanisms.

Where segments of less than $3/8$ " thickness or where a continuous strip of longer than 20" and of $3/8$ " thickness or less is required, we recommend the use of Grizzly G-21 material for both internal and external types of braking mechanism. Grizzly G-21 is available in widths of from 1" to 6", in thickness of from $1/8$ " to $3/8$ " inclusive and in lengths to 25 feet. When continuous band strips of Grizzly G-21 are used, we recommend that the lining be sawed every 6" to 8" straight across the lining and down to the wire grid with a hack-saw so as to give added flexibility.

When continuous strips of longer than 20" and of $7/16$ " thickness or thicker is required, we recommend the use of Grizzly X-T, folded and compressed for both internal and external types of braking mechanisms. Grizzly X-T folded and compressed is available in all sizes of from 1" wide by $1/8$ " thick to 24" wide by $1/4$ " thick in any length required.

NOTE: To assure the operator of smoother operation and longer life, use Grizzly 900-B molded and Grizzly G-21 molded wherever possible.

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
			WIDE	THICK				
			BAY CITY					
Brake --- Crowd & Holst	20	Ext.	3	x 1/4	20	2	1	\$ 10.50
	42	"	3	x 5/16	27	2	1	16.25
	45	"	4	x 3/8	27	2	1	25.45
Clutch --- Booster	20	"	1-1/2	x 3/16	6-1/4	4	1	.80
	42, 45	"	1-1/2	x 1/4	9	4	1	2.00
Clutch --- Crowd	20	"	3	x 1/4	12	1	1	6.00
	20	"	3	x 1/4	18	1	1	9.20
	42	"	2	x 1/4	22	1	1	6.50
	42	"	3	x 1/4	27	1	1	12.20
	45	"	2	x 1/4	20	1	2	5.40
	45	"	3	x 1/4	24	1	1	12.00
	45	"	3	x 1/4	24	1	1	12.00
Clutch --- Holst Drum	20	"	3	x 1/4	18	1	1	9.20
	42	"	3	x 1/4	27	1	1	12.20
	45	"	3	x 5/16	24	1	1	16.00
Clutch --- Swing	20	"	3	x 1/4	15	2	1	7.90
	42, 45	"	3	x 1/4	18	2	1	8.80
BUCKEYE								
Brake --- Holst	60, 70	Ext.	4	x 1/4	25	1	4	15.50
Brake --- Swing	60, 70	"	2	x 1/4	18	1	1	4.75
Clutch --- Crowd	60	Int.	2-1/2	x 1/4	12	4	3	4.50
	70	"	3	x 1/4	17	4	4	9.00
Clutch --- Holst Drum	60, 70	"	3	x 1/4	22	2	4	11.60
Clutch --- Swing	60	"	2-1/2	x 1/4	12	4	3	4.50
	70	"	3	x 1/4	17	4	4	9.00
BUCKEYE - ERIE								
Brake --- Boom	10B	Ext.	1-1/2	x 1/4	12	1	3	2.85
	20B	"	2	x 1/4	x 9-1/2"	1	2	6.10

MAR

004842

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE	
		TYPE	THICK						
			WIDE	LONG					
BUCHIRUS - ERIE-(Cont'd.)									
Brake --- Crowd & Swing (One Band For Each)	10B	Ext.	2-1/2	x 5/16	x 44"	17-3/4	2	1	\$ 9.55
	16B	"	3	x 3/8	x 63"	24	2	1	18.90
	43B	"	3	x 3/8	x 18"	33	1 or 2	2	10.80
	43B	"	4	x 3/8	x 110"	40	1 or 2	1	43.10
	75B	"	5	x 3/8	x 10"	11	1 or 2	2	9.85
	75B	"	5	x 3/8	x 10-1/2"	13	1 or 2	2	10.30
	120B	"	6-1/4	x 3/8	x 13"	15	1 or 2	2	16.90
	120B	"	7	x 3/8	x 13"	16	1 or 2	2	18.90
	120B	"	6-3/4	x 1/4	x 49"	18	1 or 2	1	23.05
	120B	"	7	x 1/4	x 49"	18	1 or 2	1	23.90
	200B	"	6	x 1/2	x 64"	25	2	1	53.35
	550	"	8	x 5/8	x 16"	20	2	2	44.50
	950B	"	8	x 3/4	x 21"	25-1/2	2 or 4	2	70.00
	950B	"	4	x 3/4	x 33"	27	2 or 4	2	55.00
	Brake --- Hoist Drum	DA-2	"	3-1/2	x 5/16	x 87"	32	2	1
10B		"	2-1/2	x 5/16	x 44"	17-3/4	2	1	9.55
16B		"	3	x 3/8	x 63"	24	2	1	18.90
20B		"	3	x 3/8	x 10-1/2"	35	1	6	18.90
37B		"	4	x 1/2	x 12"	35	2	7	46.90
43B		"	4	x 3/8	x 103-1/2"	40	2	1	40.55
43B		"	4	x 3/8	x 110"	40	2	1	43.10
50B		"	5	x 3/8	x 89"	38	2	1	43.75
52B		"	5	x 1/2	x 9-5/8"	44	2	12	80.30
75B		"	6	x 1/2	x 41"	34	2	1	34.15
75B		"	6	or 52-1/2"	or 52-1/2"	42	2	1	43.75
75B		"	6	x 1/2	x 52"	42	2	1	43.35
120B		"	5	or 63-1/2"	or 63-1/2"	36	2	1	52.90
120B		"	6	x 5/8	x 104"	36	2	1	90.15
120B Drag		"	8	x 5/8	x 105"	36	2	1	109.35
		8	x 5/8	x 182"	65	1	1	253.30	
			or 18-1/4"	or 18-1/4"	254.00			254.00	
			or 9-1/4"	or 9-1/4"	257.45			257.45	

SERVICE FUNCTION	MODEL	SIZE OF LINING				DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
		TYPE	WIDE		LONG				
			THICK	THICK					
BUCYRUS - ERIE (Contd.)									
Brake --- Holst Drum	120B (Load)	Ext. 8	x 5/8	x 144"	56	1	1	\$ 200.40	
		" or 8	x 5/8	x 18-1/4"			8	203.20	
		" or 8	x 5/8	x 9-1/4"			16	205.95	
	200B (Drag)	" .. 8	x 5/8	x 13-1/4"	72	1	16	295.00	
	200B (Load)	" 10	x 3/4	x 13-1/4"	78	1	16	441.65	
550 (Motor)		" 8	x 5/8	x 16"	20	1	2	44.55	
950B (Motor)		" 8	x 3/4	x 21"	25 1/2	1	2	70.00	
Brake --- House	37B	" 3	x 1/2	x 12"		1	4	20.00	
Brake --- Main Clutch	16B	" 4	x 3/8	x 14-1/2"	25	1	2	11.35	
Brake --- Main Drum	37B	" 3	x 1/2	x 10"	22	1	2	8.35	
Brake --- Propelling	DA2	" 3-1/2	x 5/16	x 57"	20		1	16.65	
	43B	" 4	x 3/8	x 80"	26		1	31.35	
	52B	" 3	x 3/8	x 42"	18		1	12.60	
	52B, 55B	" .. 3	x 3/8	x 48"	20		1	14.40	
	75B	" 2	x 1/4	x 32"	12		1	3.60	
	120B	" 4	x 5/16	x 60"	24		1	20.00	
	120B	" 4	x 3/8	x 108"	34		1	42.30	
		" 3-1/2	x 1/2	x 38"		1	1	18.50	
Brake --- Service	37B	" 3	x 1/2	x 16"	22	1	2	13.35	
Clutch --- Booster	16B	" 2	x 5/16	x 9"	11	4	2	3.00	
	20B	" 1-1/2	x 1/4	x 20-1/2"		4	2	4.10	
	37B	" 2	x 3/8	x 38"		4	1	7.90	
	43, 43B	" 2	x 1/4	x 36"	16	4	1	4.05	
	43B	" 1-1/2	x 1/4	x 30"	12	4	1	3.00	
	43B	" 2	x 1/4	x 11"	12	4	2	2.50	
	55B	" 3	x 1/4	x 11"	19	4	2	4.10	
	120B	" 3	x 3/8	x 11"	23	4	2	6.60	
		" 2-1/2	x 1/4	x 44"	16	4	1	6.60	
	Clutch --- Crowd & Swing	10B	Int. 2-1/4	x 1/4	x 36-1/2"	15	4	1	4.85

MAR

004844

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
		TYPE	WIDE	THICK				
Glutch --- Crowd & Swing (Two Bands For Each)								
		BUCYRUS - ERIE (Contd.)						
	16B	Int.	3	x 5/16	x 11-1/4"	4	5	\$ 14.10
	20B		3	x 3/8	x 12-1/2"	24	5	18.75
	37B	Ext.	4	x 3/8	x 12"	24	5	25.50
	37B	"	5	x 3/8	x 62-1/2"	24	1	30.75
	43, 43B, 120B	"	5	x 3/8	x 74"	26	1	36.40
	43B, 120B		4	x 3/8	x 74"	26	1	29.00
	43B, 120B	"	8	x 1/2	x 12-1/2"	36	6	33.45
	48B	"	4	x 3/8	x 110"	40	1	43.10
	55B	"	6	x 1/2	x 15"	34	6	75.00
	120B	"	4	x 5/16	x 54"	18	1	18.00
Clutch --- Hoist Drum								
	DA2	"	2-1/2	x 1/4	x 44"	16	1	6.60
	DA2	"	3-1/2	x 3/8	x 63"	24	1	22.85
	10B	Int.	2-1/4	x 1/4	x 36-1/2"	15	1	1.85
	16B		3	x 5/16	x 11-1/4"	24	5	14.10
	20B	"	3	x 3/8	x 12-1/2"	24	5	16.75
	37B	Ext.	4	x 1/2	x 12"	35	9	60.30
	43B	"	4	x 3/8	x 110"	40	1	43.10
	46B		8	x 1/2	x 12-1/2"	48	10	139.05
	50B	"	5	x 3/8	x 98"	38	1	48.20
	525, 55B	"	5	x 1/2	x 9-5/8"	44	12	80.30
	71B, 120B	"	6	x 1/2	x 11-1/4"	44	10	93.75
	120B	"	4	x 3/8	x 37"	34	2	29.00
	120B	"	8	x 1/2	x 14-3/4"	36	6	98.45
	120B	"	8	x 3/4	x 9"	56	1	240.00
	120B	"	8	x 3/4	x 9"	65	1	300.00
	175B	"	8	x 3/4	x 9-7/32"	51	12	188.74
	175B	"	12	x 1-3/4	x 10-1/8"	53-1/2	15	886.50
	200B	"	8	x 5/8	x 13-1/4"	72	1	295.00
	200B	"	10	x 3/4	x 13-1/4"	78	1	441.65
BUCYRUS - MONTICAN								
	6W, 6150	"	10	x 1-1/8	x 10"	64	1	562.50
	10W	"	10-1/2	x 1-1/8	x 10-7/16"	90	1	787.50
Brake --- Drag.								

MAR

004845

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	1-1ST PRICE PER BAND
		TYPE	WIDE	THICK				
BUCYRUS - MONIGHAN (Contd.)								
Brake --- Drag	6160	Ext.	12	x 1-1/8 x 8"	65	1	21	\$ 630.00
		or	6	x 1-1/8 x 8"	65	1	42	630.00
Brake --- Load Hoist	6W	"	6	x 1-1/8 x 8-1/4"	64	1	12	649.70
	10W	"	10-1/2	x 1-1/8 x 10-7/16"	80	1	21	719.30
	6150	"	12	x 1-1/8 x 8-5/16"	65	1	20	623.45
		or	6	x 1-1/8 x 8-5/16"	65	1	40	623.45
	6160	"	15	x 1-1/8 x 9-3/4"	65	1	17	776.95
		or	10	x 1-1/8 x 9-3/4"	65	1	17	517.96
		(5	x 1-1/8 x 9-3/4"	65	1	17	259.35	
Clutch --- Drag.	6W	"	8	x 1-1/8 x 8-1/4"	64	1	21	324.85
	10W	"	8	x 1-1/8 x 8-1/4"	72	1	24	495.00
	6150	"	6	x 1-1/8 x 8-5/16"	60	1	20	311.75
	6160	"	6	x 1-1/8 x 8"	60	1	18	270.00
Clutch --- Load Hoist	6W	"	6	x 1-1/8 x 8-5/16"	64	1	18	280.55
	10W	"	7	x 1-1/8 x 8-1/4"	72	1	24	433.15
	6150	"	6	x 1-1/8 x 8-5/16"	60	1	18	280.55
	6160	"	6	x 1-1/8 x 8"	54	1	16	240.00
BYERS - MACHINE CO.								
Brake --- Boom Hoist		"	2-1/2	x 1/4 x 27-1/4"	12	1	1	4.10
		"	2-1/2	x 3/8 x 30"	14	1	1	7.90
Brake --- Hoist Drum	Bearcat Jr.	"	3-1/2	x 1/4 x 49"	17	2	1	10.80
	Master	"	5	x 3/8 x 80"	34	2	1	39.35
	55.60	"	3-1/2	x 1/4 x 62"	21	2	1	13.70
	70.80	"	3	x 3/8 x 58"	24	1 or 2	1	17.40
	70.60	"	4	x 3/8 x 59"	25	1 or 2	1	23.10
		"	3	x 3/8 x 60"	22	2	1	18.00
Brake --- Propelling	Master	"	3-1/2	x 3/8 x 60"	22	2	1	21.75
Brake --- Swing	62	"	3	x 3/8 x 40"	16	2	1	12.00

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. HANDS NO. PIECES PER MACH. PER BAND	LIST PRICE PER BAND
		TYPE WIDE	THICK				
			LONG				
<u>BYERS --- MACHINE CO. (Contd.)</u>							
Clutch --- Booster	Master	Ext. 2-1/2	x 3/8	x 10-1/2"	10	2	\$ 5.50
	55, 60, 62	" 2	x 1/4	x 23-1/2"	10	1	2.05
	70, 80	" 1-1/2	x 1/4	x 23-1/2"	10	1	2.35
Clutch --- Crowd & Swing	Bearcat Jr.	Int. 3	x 3/8	x 39"	14	2 or 4	11.70
	Master	" 4	x 3/8	x 57"	21	2 or 4	22.30
	31	" 3-1/2	x 3/8	x 50"	19	4	18.10
	40, 55, 60, 70, 80	" ... 3	x 3/8	x 43"	17 ...	2 or 4	12.90
	45, 55, 60, 62	" 3	x 3/8	x 39"	14	2 or 4	11.70
	70, 80	" 4	x 5/16	x 42"	16-1/4	2 or 4	22.30
	100, 125	" 4	x 3/8	x 57"	21	2 or 4	28.00
	105, 125	" 5	x 3/8	x 57"	21	2 or 4	
	Bearcat Jr.	Ext. 3-1/2	x 1/4	x 49"	17	1 or 2	10.80
	Master	Int. 3-1/2	x 3/8	x 76"	30	1 or 2	27.55
	55, 60, 62	Ext. 3-1/2	x 1/4	x 60"	21 ...	1 or 2	13.25
	70, 80	Int. 3	x 3/8	x 58"	21	1 or 2	17.40
Clutch --- Hoist Drum	128	" 3-1/2	x 3/8	x 70"	26	1 or 2	25.40
	2065	" 3	x 3/8	x 82"	32	2	24.60
Brake Clutch		Disc.	EUCLID				5.00
		7-1/4	M. S. 559				
			x 9/64 x 13-7/8"				
<u>GENERAL</u>							
Brake --- Crowd Brake --- Hoist Clutch --- Booster Clutch --- Crowd Clutch --- Hoist Clutch --- Swing	Invincible	Ext. 2-1/2	x 5/16	x 70"	28	1	15.15
	"	" 2-1/2	x 5/16	x 70"	28	1	15.15
	"	" 1-1/4	x 1/4	x 32"	12	2	2.80
	"	" 2-1/2	x 5/16	x 74"	28	1	16.05
	"	" 2-1/2	x 5/16	x 74"	28	1	16.05
	"	" 3	x 5/16	x 52"	20	2	13.00
Brake --- Drums	301	Ext. 3	x 3/8	x 70"	26	2	21.00
	301	" 3	x 3/8	x 14"	26	1 or 2	21.00
			<u>KOEHRING</u>				

MAR

004847

SERVICE FUNCTION	MODEL	SIZE OF LINING			LONG	DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
		TYPE	WIDE	THICK					
				KOEHRING (Contd.)					
Brake --- Drums	401, 601 401, 601 603	Ext. " "	3-1/2 4 5	x 3/8 x 3/8 x 3/8	x 88" x 15" x 93"	32 32 32	1 or 2 2 2	1 6 1	\$ 31.90 35.25 45.75
Brake --- Propelling	501, 701	"	3	x 3/8	x 57"	20		1	17.10
Brake --- Swing	501, 701	"	3-1/2	x 3/8	x 60"	24	2	1	21.75
Clutch --- Crowd & Holst	301, 501	"	2-1/4	x 3/8	x 60"	22	2 or 4	1	14.75
	301, 501	"	2	x 3/8	x 13-1/2"	24	2 or 4	5	14.05
	401, 603	"	2-1/2	x 3/8	x 81-1/2"	28	4	1	21.40
	501	"	2-1/4	x 3/8	x 13-1/2"	30	4	6	19.90
	502	"	3	x 3/8	x 60"	22	4	1	18.00
	601	"	2-1/4	x 1/2	x 13-5/8"	30	4	6	25.55
	701	"	4-1/2	x 3/8	x 78"	30	4	1	36.40
Clutch --- Swing	301	"	2-1/4	x 3/8	x 42"	16	4	1	10.30
	376	"	2-1/2	x 1/2	x 9-1/2"	19	4	5	16.60
	401	"	2-1/2	x 3/8	x 48"	19	4	1	12.60
	501, 601	"	2-1/4	x 3/8	x 60"	22	4	1	14.75
	502	"	3	x 3/8	x 60"	22	4	1	18.00
	603, 701	"	2-1/2	x 3/8	x 70"	26	4	1	18.35
LE TOURNEAU									
		3-1/2	x 1/4	x Cone				1	10.35
		2-1/2	x 3/16	x 37-1/2"	12-1/2			1	4.20
		3	x 1/4	x 45"	15			1	8.45
LIMA									
Brake --- Boom Holst	101	Ext.	3	x 3/16	x 29"	10	1	1	4.35
	601	"	2	x 1/4	x 45"	18	1	1	5.05
	801	"	3	x 1/4	x 46"	18	1	1	8.60
Brake --- Crowd	101	"	5-1/4	x 5/16	x 78"	26	1	1	35.75
	601, 1001	"	4	x 5/16	x 60"	21	1	1	20.00

MAR

004848

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
			WIDE	THICK					
				LONG	THICK				
Brake --- Hoist Drum	101 601 602 801, 1001, 1201 801, 1001, 1201	Ext. " " " "	5-1/4 4 5 5 5	x 5/16 x 5/16 x 5/16 x 5/16 x 5/16	x x x x x	78" 133" 134" 140" 154"	1 or 2 1 or 2 1 or 2 1 or 2 1 or 2	1 1 1 1 1	\$ 35.75 44.35 55.85 58.35 64.15
Brake --- Propelling	101 601	" "	5-1/4 4	x 5/16 x 3/8	x x	39" 46"	15 18	1 1	17.90 18.00
Brake --- Swing	601, 602	"	3	x 5/16	x	53"	18	1	13.25
Clutch --- Booster	601 601 602, 1001 801 801	" " " " "	3-1/2 2 3-1/2 3-3/4 3	x 1/4 x 1/4 x 5/16 x 1/4 x 1/4	x x x x x	39" 46" 40" 43" 46"	14 17 16 16 18	1 1 1 1 1	8.60 5.20 11.65 11.10 8.60
Clutch --- Crowd & Swing	101 601 602 801 1001 1201	" Int. " " " "	5-1/4 4-1/2 5 5 6 6	x 5/16 x 5/16 x 5/16 x 5/16 x 5/16 x 1/2	x x x x x x	78" 33" 33" 12-5/8" 74" 12-5/8"	26 25 25 28 28 28	4 2 2 6 1 6	35.75 25.85 27.50 31.55 37.00 63.15
Clutch --- Hoist Drum	101 601, 602 801, 1001, 1201	Ext. Int. "	5-1/4 4 4	x 5/16 x 5/16 x 5/16	x x x	78" 130" 144"	26 43 47	1 or 2 1 or 2 1 or 2	35.75 43.35 48.00
Brake --- Hoist Drum	K48 K55 K55 K480	Ext. " " "	5 5 6 8 5	x 3/8 x 3/8 x 1/2 x 1/2 x 3/8	x x x x x	56" 60" 126" 136" 120"	42 42 49 49 42	1 1 1 or 2 1 or 2 1	27.55 29.50 105.00 151.30 59.00

SERVICE FUNCTION	MODEL	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
		TYPE	WIDE	THICK				
LORAIN (Contd.)								
Clutch --- Crowd & Swing	75A, 75B	Ext.	3-1/2	x 5/16	20	2	1	\$ 14.00
	75B, 77	Int.	4-1/2	x 3/8	24	4	4	31.05
	79, 80	"	4	x 3/8	24	4	4	26.05
	87, 95	"	5-1/2	x 3/8	24	4	4	42.55
		"	5-1/2	x 3/8	74"		1	42.55
Clutch --- Holst Drum	27, 30	"	2-1/2	x 1/4	20	2	1	8.40
	35, 45, 55	"	3	x 5/16	34	2	1	24.80
	37, 40 Some	"	2-1/2	x 1/4	24	2	1	9.75
	37, 40 Some	"	2-1/2	x 1/4	24	2	1	10.80
	60, 75, 75A	"	3-1/2	x 5/16	36	2	1	30.60
	75B, 77, 79, 80	"	3-1/2	x 5/16	36	2	1	30.60
	87, 95	"	4-1/2	x 3/8	40	2	4	57.85
		"	2-1/2	x 1/4	20	2	1	8.40
		"	3	x 5/16	34	2	1	24.80
		"	2-1/2	x 1/4	24	2	1	9.75
Brake --- Crowd	381	Ext.	4	x 3/8	42	1	1	14.10
	450	"	4	x 3/8	42	1	1	26.65
		"	3	x 3/8	14	1	1	10.80
	38A	"	4	x 3/8	40	2	1	43.10
	39A	"	5-1/2	x 3/8	40	2	1	58.65
Brake --- Holst Drum	40A	"	5-1/2	x 3/8	52	2	2	81.65
	360	"	14	x 1-1/2	10-15/16" 84	2	19	1212.25
	371	"	4-1/2	x 1/2	42	2	1	25.15
	450	"	4-1/2	x 1/2	26	2	1	45.30
	471	"	4-1/2	x 3/8	40	2	1	28.20
	480	"	4-1/2	x 3/8	42	2	1	19.60
	4101	"	4-1/2	x 3/8	34	2	1	33.60
	4161	"	5-1/2	x 1/2	46	2	1	73.60
	5120	"	6	x 3/4	62	2	1	65.00
	5120	"	10	x 3/4	48	2	2	86.25
	5120	"	10	x 3/4	48	1	1	325.00
	5120	"	10	x 3/4	48	1	1	256.25
	5120	"	10	x 3/4	48	1	1	275.00
	5120	"	10	x 3/4	48	1	1	275.00

MARION

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND	
			WIDE	THICK					LONG
				MARION (Contd.)					
Brake --- Main Drive	360	Ext.	10.	x 1-3/4	x 7-1/8"	28	2	\$ 346.50	
	5120	"	10	x 1/2	x 22-1/2"	28	1	93.65	
Brake --- Propelling	40A	"	4	x 3/8	x 40"	26	2	31.35	
	371, 381, 471	"	4	x 3/8	x 36"	24	2	28.20	
	4161	"	5	x 3/8	x 92"	30	2	45.25	
Brake --- Swing	4101	"	3-1/4	x 1/4	x 26"	10	1	5.75	
	4161	"	3	x 1/2	x 12"	14	1	10.00	
Clutch --- Booster	38A, 381, 471	"	1-1/2	x 1/4	x 31"	14	1	3.10	
	39A, 40A	"	2-1/2	x 1/4	x 48"	20	1	7.20	
	371	"	2	x 1/4	x 44"	16	1	4.95	
	381, 471	"	2	x 1/4	x 48"	15	1	5.40	
Clutch --- Crowd & Hoist	37	"	4-1/2	x 3/8	x 96"	36	1 or 3	44.80	
	37, 480	"	4-1/2	x 1/2	x 14"	36	1 or 3	61.65	
	38A, 39A	"	4	x 3/8	x 108"	40	1 or 3	42.30	
	40A	"	4	x 3/8	x (64"	52	1	25.05	
					(70"	52	1	27.40	
	360	"	6-1/8	x 2	x 10-1/2"	68	1 or 2	655.00	
	360	"	9-1/8	x 2	x 10-1/2"	82	1 or 2	1132.80	
	371, 381, 471	"	4	x 3/8	x 112"	42	1 or 3	43.85	
	381	"	4	x 3/8	x 34"	26	1 or 3	26.65	
	450	"	3-1/2	x 3/8	x 63"	24	1 or 3	22.85	
	480	"	5-1/2	x 1/2	x 96"	34	1 or 3	73.60	
	4101	"	5	x 1/2	x 62"	46	1 or 2	86.30	
	4101	"	5	x 1/2	x 64"	48	1 or 2	89.05	
	4120	"	6	x 3/4	x 60"		1	75.00	
		"	6	x 3/4	x 66"		1	82.50	
	4160	"	6	x 3/4	x 82"	62	2	102.50	
					84"		1	105.00	
	5120	"	6	x 1/2	x 10-1/4"	48	1 or 2	102.50	
5120	"	6	x 3/4	x 146"	56	1 or 2	182.50		

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		LONG	DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
			WIDE	THICK					
			LINK - BELT (Contd.)						
Clutch --- Hoist Drum	K30	Int.	4	x 3/8	x	34	2		
	K30	"	4	x 3/8	x	46	2		
	K55	"	5	x 3/4	x 6-1/4"	42	2	17	\$ 110.65
		"	5	x 3/4	x 12"	42	2	6	75.00
Clutch --- Swing	K30	"	4-1/2	x 3/8	x		2		
	K48	"	4	x 3/8	x 20-1/2"	24	6	3	24.10
	K55	"	4	x 3/8	x 88"	30	2	1	34.45
	K480	"	4	x 3/8	x 21-1/2"	24	2	2	16.85
Brake --- Crowd	30	Ext.	3-1/2	x 1/4	x 54"	23	1	1	11.90
	40	"	3-1/2	x 1/4	x 67"	27	1	1	14.80
	75, 75A	"	4	x 3/8	x 72"	27	1	1	28.20
Brake --- Hoist Drum	27, 30	"	3-1/2	x 1/4	x 54"	23	2	1	11.90
	35, 45, 55	"	4-1/2	x 5/16	x 103"	37	2	1	40.35
	37, 40	"	3-1/2	x 1/4	x 67"	27	2	1	14.80
	40 (Boom)	"	2-1/2	x 1/4	x 37"	15	1	1	5.55
	75, 75A, 75B, 77	"	5	x 3/8	x 111"	40	2	1	54.60
	79, 80	"	5-1/2	x 3/8	x 111"	40	2	1	63.80
	87, 95	"	7	x 3/8	x 122"	44	2	1	88.75
	75, 75A, 75B	"	2-3/4	x 1/4	x 11-1/2"	8-1/2	2 or 6	2	4.30
	77	"	2-3/4	x 1/4	x 24"	10	2 or 6	1	4.50
	95	"	2-3/4	x 1/4	x 19-3/4"	16	2 or 6	2	7.40
Clutch --- Crowd & Swing	27, 30, 37, 40	Some Int.	2-1/2	x 1/4	x 56"	20	4	1	8.40
	35, 45, 55, 40	Some	3	x 1/4	x 61-1/2"	22	4	1	11.55
	40	"	2-1/2	x 1/4	x 72"	24	4	1	10.80
	75, 75A	"	3-1/2	x 1/4	x 63"	24	4	1	13.90
		"	3-1/2	x 1/4	x 67"	24	4	1	14.80
		"	3-1/2	x 5/16	x 63"	24	4	1	18.40
		"	3-1/2	x 5/16	x 67"	24	4	1	19.55
		"	3-1/2	x 3/8	x 63"	24	4	1	22.85
			3-1/2	x 3/8	x 67"	24	4	24.30	

MAR

004852

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND	
			WIDE	THICK						LONG
				MARION (Contd.)						
Clutch --- Swing	371	Ext.	4	x 3/8	x 68"	26	2	1	\$ 26.65	
	371, 381, 384	"	5	x 1/2	x 10-1/4"	30	2	8	57.05	
	471	"	5	x 3/8	x 72"	28	2	1	35.40	
MICHIGAN										
Brake --- Boom	T-6	Ext.	3-1/2	x 5/16	x 22"	15	1	2	12.85	
Brake --- Crowd	T-6	"	3-1/2	x 5/16	x 22"	15	1	2	12.85	
Brake --- Hoist	T-6	"	3-1/2	x 5/16	x 22"	15	1	2	12.85	
NORTHWEST.										
Brake --- Hoist Drum	2	Ext.	3-1/2	x 1/4	x 82"	28	1 or 2	1	18.10	
	2	"	4	x 1/2	x 84"	30	1 or 2	1	46.90	
	6	"	4-1/2	x 3/8	x 88"	36	1 or 2	1	41.10	
	8	"	5	x 3/8	x 97"	44	1 or 2	1	47.70	
Clutch --- Booster	2, 6, 8	"	3	x 5/16	x 22"	8	4	1	5.50	
Clutch --- Crowd & Hoist	2	Int.	3	x 1/2	x 7-5/8"	22	1 or 2	8	25.40	
	6	"	4	x 1/2	x 88"	36	1 or 2	1	49.15	
	6, 8	"	4	x 1/2	x 10-3/8"	30	1 or 2	8	46.35	
	8	"	4	x 1/2	x 18"	38	1 or 2	6	60.30	
OSGOOD										
Brake --- Crowd & Hoist	Chief	Ext.	3-1/2	x 1/2	x 108"	40	1 to 3	1	52.55	
	Chief	"	4	x 1/2	x 110"	40	1 to 3	1	61.40	
	Chief, Victor	"	3-1/2	x 1/2	x 10"	36	1 to 3	10	48.75	
	Chief, Victor	"	3-1/2	x 3/8	x 98"	36	1 to 3	1	35.50	
	Conqueror	"	3-1/2	x 3/8	x 103"	36	3	1	37.35	
Clutch --- Booster	Chief	"	2	x 1/4	x 20"	18		2	4.50	
	Conqueror	"	1-1/2	x 1/4	x 42"	16		1	4.20	
	Victor	"	1-1/2	x 1/4	x 42"	16		1	4.20	
Clutch --- Crowd & Hoist	Chief	"	3	x 3/8	x 90"	31	1 to 4	1	9.30	
	Chief	"	3-1/2	x 1/2	x 10-1/4"	40	1 to 4	11	54.95	

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
			WIDE	THICK. LONG				
				OSGOOD (Contd.)				
Clutch --- Crowd & Hoist	Conqueror	Ext.	3-1/2	x 3/8	x 108"	36	1 to 4	\$ 39.15
	Conqueror	"	3-1/2	x 1/2	x 10-1/4"	36	1 to 4	49.95
Clutch --- Swing	Chief	"	3-1/2	x 3/8	x 60"	24	2	21.75
	Conqueror	"	4	x 1/2	x 10-7/8"	24	2	36.45
	Conqueror	"	5	x 3/8	x 60"	24	2	29.50
	Victor	"	4	x 3/8	x 60"	24	2	23.50
	906 (2 yard)	"	4	x 1/2	x 8-5/8"	27	2	38.50
Brake --- Boom Hoist and Travel	300	Ext.	3	x 1/4	x 21"	14	1	3.95
	700, 700B	"	3	x 1/4	x 14-1/2"	14	1	2.75
		"	3-1/2	x 5/16	x 23-1/2"	18	1	6.85
	760	"	3-1/2	x 5/16	x 26"	18	1	7.60
	760, 765, 780	"	3-1/2	x 5/16	x 25"	21	1	7.30
		"	3-1/2	x 5/16	x 34"	21	1	9.90
	800	"	3	x 1/4	x 24"	10	1	4.50
	800, 810	"	5	x 3/8	x 16"	10	2	15.75
	800, 810	"	3-1/2	x 5/16	x 23-1/2"	18	1	6.85
		"	3-1/2	x 5/16	x 26"	18	1	7.60
Brake --- Hoist Drum	100	"	2-1/2	x 1/4	x 46"	18	1 or 2	32.45
	300	"	3	x 1/4	x 24-1/2"	22-1/2	1 or 2	6.90
	300	"	3	x 1/4	x 29-1/2"	22-1/2	1 or 2	4.60
		"	3	x 3/8	x 54"	22-1/2	1 or 2	5.55
	700, 700B	"	5	x 3/8	x 38"	35	1 or 2	16.20
Brake --- Hoist Drum	700B	Ext.	4	x 3/8	x 65"	30	1 or 2	18.70
	750, 760, 765, 780	"	5-1/2	x 3/8	x 38"	30	1 or 2	27.55
	760, 765	"	5-1/2	x 3/8	x 42"	30	1	25.45
		"	7	x 3/8	x 38"	35	2	21.85
	800	"	5	x 7/8	x 12-1/8"	39	1 or 2	24.15
								55.30
								72.00
								117.60

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND	
			WIDE	THICK					
									P. AND H (Contd.)
Brake --- Holst Drum	800	Ext.	7	x 1	x 12-1/2"	40	1 or 2	8	\$ 194.80
	800	"	5	x 7/8	x 12-7/8"	42	1 or 2	8	124.90
	800	"	7	x 7/8	x 12-7/8"	42	1 or 2	8	175.10
	810	"	6	x 7/8	x 54-1/2"	44	1 or 2	2	159.85
	810	"	8	x 7/8	x 52-1/2"	40	1 or 2	2	204.30
	900	"	7	x 3/4	x 16"	48	1 or 2	8	186.55
	900	"	9	x 3/4	x 16"	48	1 or 2	8	240.00
	900	"	7	x 1	x 16"	52	1 or 2	8	249.05
	900	"	9	x 1	x 16"	52	1 or 2	8	320.00
	955	"	7	x 3/8	x 57"	40	1 or 2	1	41.45
Brake --- Swing	955	"	7	x 3/8	x 50"	40	1 or 2	1	36.40
	1400	"	6	x 3/8	x 53"	40	1 or 2	1	31.90
		"	6	x 3/8	x 50"	35	2	1	30.00
		"	8	x 1/2	x 43-1/2"	35	2	2	96.80
	700, 700B	"	2-1/2	x 5/16	x 28"	27	1	1	6.05
	750, 760, 765	"	2-1/2	x 5/16	x 44"	27	1	1	9.55
	750, 760, 765	"	2-1/2	x 5/16	x 28"	27	1	1	6.05
	800, 810	"	2-1/2	x 5/8	x 44"	27	1	1	9.55
		"	3-1/2	x 3/8	x 29"	32	1	1	10.50
		"	3-1/2	x 3/8	x 36"	32	1	1	13.05
Clutch --- Booster	300, 700, 700B	"	1-3/4	x 1/4	x 12-1/8"	10	2	2	2.65
	750, 760, 765, 780	"	1-3/4	x 1/4	x 12-1/8"	10	2	2	2.65
	800	"	2-1/2	x 3/8	x 35"	14	1	1	9.20
	800	"	3	x 3/8	x 44"	16	1	1	13.20
	810	"	2-1/2	x 3/8	x 44"	17	1	1	11.55
	900	"	3	x 3/8	x 58"	20	1	1	17.40
	955	"	1-3/4	x 5/16	x 22"	10	1	1	3.40
	800, 765	"	5	x 3/8	x 39-1/2"	33	1 or 2	1	19.45
	100	"	5	x 3/8	x 48-1/2"	18	1	1	23.85
	700B, 760, 765	"	2-1/4	x 1/4	x 50"	30	1 or 2	1	6.65
Clutch --- Crowd	810	Int.	4	x 3/8	x 80"	38	2	1	31.35
			6	x 7/8	x 45-3/8"	38	1	1	66.15
			6	x 7/8	x 56-3/4"			1	82.70

MAR

004855

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND		
			WIDE	THICK						
									LONG	
P. AND H. (Contd.)										
Clutch --- Hoist Drum	100	Ext.	2-1/4	x 1/4	x 48"	18	2	1	\$ 6.40	
	300	"	3	x 1/4	x 60"	22-1/2	2	1	11.25	
	700, 700B, 750	"	4	x 3/8	x 80"	30	2	1	31.35	
	760, 765, 780	"	4	x 3/8	x 80"	30	2	1	31.35	
	800	"	5	x 3/8	x 88"	33	1 or 2	1	43.25	
	800	"	5	x 3/8	x 98"	34	1 or 2	1	48.20	
	800	"	5	x 3/8	x 104"	35	1 or 2	1	51.15	
	800	"	5	x 3/8	x 122"	44	1 or 2	1	60.00	
	810	Int.	6	x 1/2	x 110"	42	2	1	91.65	
	900	Ext.	7	x 3/8	x 110"	40	1 or 2	1	80.00	
	900	"	7	x 1/2	x 110"	40	1 or 2	1	107.25	
	900	"	7	x 1/2	x 128"	50	1 or 2	1	124.80	
	955	"	4-1/2	x 3/8	x 100"	36	2	1	46.65	
1400	Int.	7	x 1/2	x 14"	32	2	6	81.90		
Clutch --- Main Drive	800	Ext.	4	x 1/2	x 71"	30	1	1	39.65	
	800, 810	"	5	x 1/2	x 83"	30	1	1	57.75	
	900	"	6	x 3/8	x 94"	34	1	1	56.40	
Clutch --- Swing	100	Int.	3	x 1/4	x 38"	13-1/2	2	1	7.10	
	300	"	3-1/2	x 1/4	x 36"	14	2	1	7.95	
	700, 700B	"	4-1/2	x 1/4	x 67"	25	2	1		
	750	"	4	x 3/8	x 78"	30	2	1	30.55	
	760, 765, 780	"	4-1/2	x 5/16	x 67"	25	2	1	26.25	
	800	"	4	x 1/2	x 78"	30	2	1	43.55	
	810	"	4-1/4	x 1/2	x 77-1/2"	30	2	1	46.20	
	900	"	4	x 1/2	x 110"	34	2	1	61.40	
	900	"	4-1/2	x 1/2	x 91"	34	2	1	57.25	
	955	"	6-1/2	x 3/8	x 70"	25	2	1	47.25	
	PAGE DRAG LINE									
	Brake --- Drag	615	Ext.	6	x 1/2	x 139-1/2"		1	1	116.25
	Brake --- Hoist	615	"	6	x 1/2	x 137-1/2"		1	1	114.60
Clutch --- Drag	615	"	5	x 1/2	x 111-1/2"		1	1	77.60	
Clutch --- Hoist	615	"	5	x 1/2	x 59"		1	1	41.05	
Clutch --- Swing	615	Int.	5	x 1-1/8	x 7-1/2"	36	2	15	176.00	

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING			DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND
			WIDE	THICK					
				SPEEDCRANE					
Brake --- Boom Hoist	3000B, 3500	Ext.	2-1/4	x 3/8	x 36"	14	1	1	\$ 8.86
Brake --- Drag	3000B	"	4	x 3/8	x 109"	42	1	1	42.70
	3500	"	4	x 3/8	x 14-1/2"	42	1	7	39.75
	3500	"	4-1/2	x 3/8	x 15"	42	1	7	49.00
Brake --- Hoist	3000-B	"	4	x 3/8	x 109"	42	1	1	42.70
	3500	"	4	x 3/8	x 14-1/2"	42	1	7	39.75
	3500	"	4-1/2	x 3/8	x 15"	42	1	7	49.00
Clutch --- Drag	3000B	"	4	x 3/8	x 64"	42	1	2	50.15
	3500	"	3-1/2	x 3/8	x 14-1/2"	42	1	8	42.05
	3500	"	4	x 3/8	x 14-1/2"	42	1	8	45.45
Clutch --- Hoist	3000B	"	4	x 3/8	x 64"	42	1	2	50.15
	3500	"	3-1/2	x 3/8	x 14-1/2"	42	1	8	42.05
	3500	"	4	x 3/8	x 14-1/2"	42	1	8	45.45
Brake --- Crowd Brake --- Hoist	LS40	Ext.	3	x 1/4	x 41"	14-1/2	1	1	7.70
	LS40	"	3	x 1/4	x 38"	14-1/2	1	1	7.10
	LS40	"	1-1/2	x 1/4	x 39"	14-1/2	2	1	3.90
Clutch --- Crowd	LS40	"	1-1/2	x 1/4	x 39-1/2"	14-1/2	2	1	3.95
Clutch --- Hoist	LS40	"	1-1/2	x 1/4	x 39-1/2"	14-1/2	4	1	3.95
Brake --- Hoist Drum	0	Ext.	3	x 3/8	x 52"	24	1	1	15.60
	45	"	3	x 5/16	x 61"		1	1	15.25
	75	"	3-1/2	x 3/8	x		1	1	
Clutch --- Crowd Clutch --- Hoist Drum Clutch --- Swing Clutch --- Travel	0	"	2-3/4	x 1/2	x 6-5/16"	18	2	8	19.35
	0	"	3	x 1/2	x 13"	30	2	5	27.10
	0	"	3	x 1/2	x 8-5/8"	18	2	6	21.55
	0	"	3	x 3/8	x 52"	24	1	1	15.60

MAR

004857

SERVICE FUNCTION	MODEL	TYPE	SIZE OF LINING		DRUM DIAM.	NO. BANDS PER MACH.	NO. PIECES PER BAND	LIST PRICE PER BAND	
			WIDE	THICK					LONG
				UNIVERSAL					
Brake --- Boom Hoist	166	Ext.	3-1/2	x 1/4	x 25"	18	1	\$ 5.50	
	899	"	3-1/2	x 1/4	x 47-1/2"	18	1	10.50	
Brake --- Crowd	166	"	3-1/2	x 5/16	x 25"	18	2	14.60	
	614	"	3	x 3/8	x 43"	15	1	12.90	
Brake --- Hoist Drum	166	"	3-1/2	x 5/16	x 25"	18	1	14.60	
	614	"	3	x 3/8	x 43"	15	1	12.90	
	899	"	3-1/2	x 1/4	x 20"	18	1	8.85	
Brake --- Swing	166	"	3-1/2	x 5/16	x 25"	18	1	14.60	
	614	"	3	x 3/8	x 43"	15	1	12.90	
	899	"	3-1/2	x 1/4	x 45-1/2"	18	1	10.05	
Clutch --- Crowd	166	"	3-1/2	x 5/16	x 25"	18	1	14.60	
	614	"	3	x 3/8	x 43"	15	1	12.90	
	899	"	3-1/2	x 1/4	x 45-1/2"	18	1	10.05	
Clutch --- Hoist Drum	166	"	3-1/2	x 5/16	x 25"	18	1	14.60	
	614	"	3	x 3/8	x 43"	15	1	12.90	
	899	"	3-1/2	x 1/4	x 45-1/2"	18	1	10.05	
Clutch --- Swing	166	"	3-1/2	x 5/16	x 25"	18	1	14.60	
	614	"	3	x 3/8	x 43"	15	1	12.90	
	899	"	3-1/2	x 3/8	x 47-1/2"	18	2	17.20	

MAR

004858