

Spare Parts

for

"Sentinel" Steam Waggon

List No. 5000 B

Spare Parts List No. 5000 B.

Reduction in prices subject to 10 per cent. discount.

The following parts are reduced in price from April 1st, 1927 :—

List No.		New price.
3144 B. ..	Main Bearing Bush ..	28/11
3157 B/C.	Crank Pin Bush, pair	38/10
3157 B. ..	" " " Inner	19/5
3157 C. ..	" " " Outer	19/5
3484 B. ..	10-tooth Chain Pinion	66/8
3798 A. ..	11 " " "	66/8
3333 A. ..	12 " " "	66/8
3210 B. ..	Rear Axle Sleeve Bush ..	21/8
3212 C. ..	Rear Axle Bush (1 mudguard) ..	47/3
3212 C. ..	Rear Axle Bush (2 mudguards) ..	48/11
3453 A. ..	Apron Plate 5 & 6 ton, without Doors	133/4

All prices in this List are
subject to a discount of
10% until further notice.

October 1st 1922.

This List cancels all previous ones.

The "Sentinel" Waggon Works (1920) Ltd.
Shrewsbury, England.

1st January, 1924.

Spare Part List No. 5000 B.

Reduction in Prices.

Subject to 10% discount.

The following items are reduced in price from January 1st, 1924, and onwards:—

List No.		Nett.
		£ s. d.
3274K. & L.	Boiler Joint pair	0 17 9
3447	Brake Band Lining (only)	3 7 0
3484A.	Chain Pinions, 9 tooth	3 18 0
3798A.	" .. 11	3 18 0
3333A.	" .. 12	3 18 0
3250A.	" .. 15	3 18 0
3115A.	Set of Firegrates	1 4 0
3177P.	Fusible Plugs	0 3 6
3265A.	Boiler Injector	4 10 0
3131B.	Pump Valves	0 2 0
A.S. 49	Pressure Gauge comp :	1 16 0
3267F.	Boiler Tube (Plain)	0 2 9
3267E.	Boiler Tube (Stay)	0 3 8
3208A.	Chain Wheel Bushed (6 ton)	14 0 0
3387A.	Chain Wheel Bushed (4 ton)	10 10 0
3373	Tank, std. 6 ton	17 15 0
3374	Tank, std. 4 ton	17 0 0
3432A.	Tank, Tipping 5 ton	17 15 0
3434A.	Tank, Tipping 3½ ton	17 0 0
3207B.	Rear Axle Oil Pad. complete	0 2 9

Please stick this in your copy of 5000 B.

ERRATA.

Page 4.

3141 B. Cam Shaft Bevel Wheel should read 32 teeth.

Page 5.

3135 A & B. Should be reversed.

Page 32.

3460 C. Blower Pipe should read 31/- for rustless iron. If in steel tube, the price would be 6/6d.

Page 34.

3183 B. Should read 3183B/A.

Page 35.

3330/84. Front Spring Shackle Bolt and Nut, price should read 1/9d.

Page 35.

3165 A. Illustration shows old pattern Grease Cup. Style on page No. 59 is now fitted.

Page 37.

3358 C. Arrow should point to outer bolt and not centre one.

Page 40.

3217 D. Drag Rope and Thimbles, the price should be 8/10d.

Page 54.

3471 A. Water Lifter No. 1 (Boiler End) should read 3470 C. 3470 C. Water Lifter No. 2 (Tank End) should read 3471A.

INDEX.

	Pages
Accessories and Tools	66-80
Boiler	16-20
Boiler Mountings	22-25
Brake Gear (Standard for all waggons)	46
" " (4 ton waggon)	46
" " (Trailer)	48
" " ($3\frac{1}{2}$ ton waggon)	58
Chassis Parts and Frames	42-44
Engine	4-6
Feed Pump	10
Feed Water Heater	20
Front Axle	34-37
Front Axle (special to certain waggons)	58
Front Axle—old style	58
Injector	28
Lubricator—Cylinder	14-15
Piping (6 ton)	32
" (Special to 5 ton tipping waggons)	54
" (" $3\frac{1}{2}$ ton tipping ")	32
" (" 4 ton waggons)	56
" (" 8 ton ")	56
Reversing Gear	12
Rear Axle (6 ton waggon)	38-40
Suction Hose	30
Spring—Rear for $3\frac{1}{2}$ ton waggon	58
Steering Gear	34-37
Tipping Waggon, parts special to	50-52
" " old style	60-64
Valve Gear Engine	8
Water Filter	26
Water Level Gauge	26
Water Tank	30
Water Lifter	30
Waggons—4 ton, parts special to	54
" —8 ton, " " "	56

THE "SENTINEL" WAGGON WORKS (1920) LTD.,
SHREWSBURY, England.

Telegrams—Alley, Shrewsbury. Telephone—Shrewsbury 410 (4 lines).

Foreign Sales Dept.—20, Iddesteigh House, Caxton Street,
Westminster, S.W.1.

Telegrams—Sentnoll, London.

Telephone—Victoria, 4650.

Please note these Instructions
when ordering Parts

State both code word and list No. in order to avoid errors.

State *Maker's* Waggon No. (stamped on brass plate on side of apron) of vehicle for which parts are required.

Give definite instructions as to Railway Station or Siding at which goods are required.

If parts are to be sent by any particular way, please say so when ordering.

Unless otherwise requested, parcels under 11-lbs. weight are sent per post ; parcels up to 112-lbs. weight are sent by passenger train (half rate owner's risk), parcels above 112-lbs. weight are sent by goods.

If a part is apparently not illustrated, give full description and rough sketch when ordering.

When ordering bolts, please state diameter and length, excluding the head.

If it is known that parts are of later design than those originally built into the waggon, please say so when ordering.

When ordering driving chains, state number of links required.

When ordering chain parts, state name of Makers of chain (to be found on each link).

If goods are found to be unsuitable, do not return without first writing for further information.

When returning goods for any reason whatever, see that they are clearly labelled with Sender's name, and advise us separately by post of their return.

Goods thus returned should be consigned to our Siding,
L. & N. W. R., carriage paid.

When ordering by telegram, use list Nos. and code words, but for parts not clearly identified or for special despatch instructions, use sufficient plain language. A few extra words when ordering often avoid much loss of time and money.

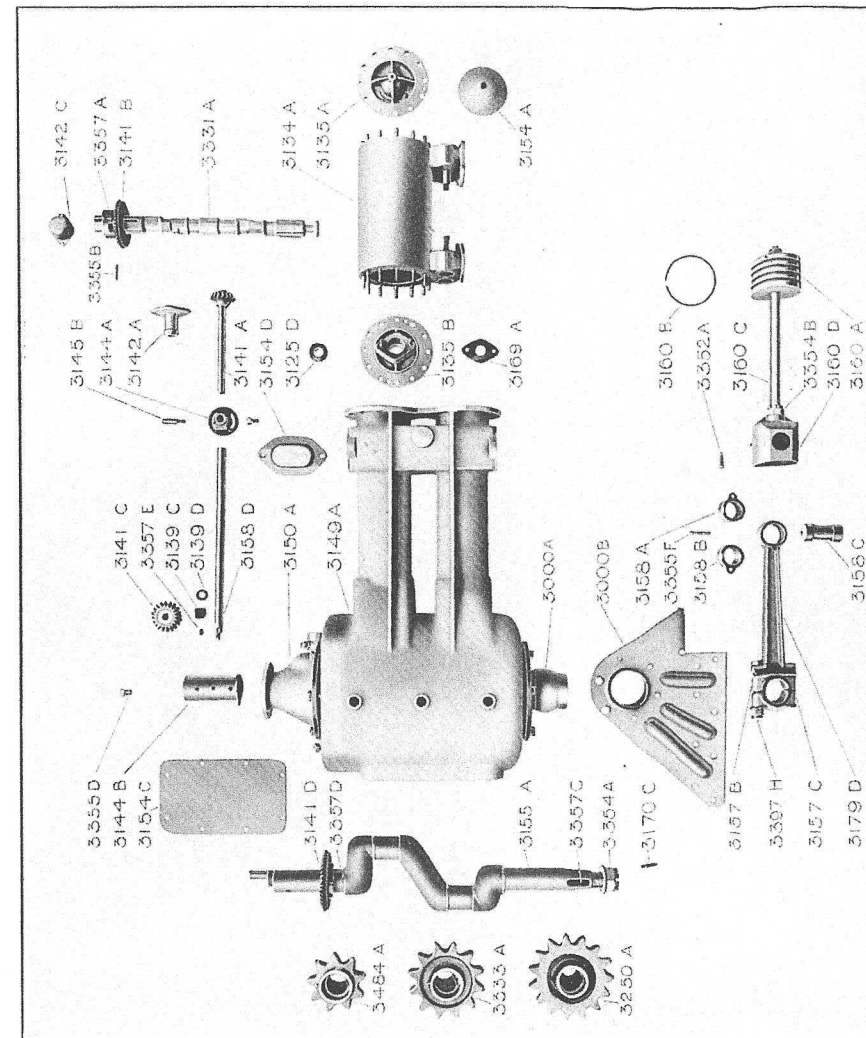
All empties must be returned to our Siding, L. & N. W. R.,
carriage paid.

SPARE PARTS for SENTINEL STEAM WAGGONS

Engine

List No.		Price.	Code Word.
3000A.	Crank Case R.H. Cover—Bushed ..	s. 115	d. 0 CAABRICAL.
3000B.	Crank Case Suspension Bracket & Cap ..	70	0 CADMINKEL
3125D.	Piston Rod Gland Bush ..	5	6 CABERTOST
3134A.	Engine Cylinder—Studded ..	120	0 CACAPRISM
3135A.	Cylinder Back Cover—Studded ..	21	6 CACHETICO
3135B.	Cylinder Front Cover ..	13	6 CACHINNAT
3139C.	Cam Drive Bush ..	1	2 CACTRIPED
3139D.	Cam Drive Thrust Ring ..	1	0 CADALONAR
3141A.	Cam Quadrant Shaft and Pinion—16 teeth ..	38	6 CAFTANPOT
3141B.	Cam Shaft Bevel Wheel—33 teeth ..	45	0 CAGOTULAP
3141C.	Crank Case Bevel Pinion—20 teeth ..	14	6 CAJOLABAN
3141D.	Crank Case Bevel Wheel—40 teeth ..	63	0 CALABAROT
3142A.	Cam Quadrant Shaft Journal ..	4	0 CALADENBO
3142C.	Cam Shaft Wheel Case Cap ..	1	2 CALAMANTO
3144A.	Cam Quadrant ..	6	0 CALAMARIC
3144B.	Main Bearing Bush ..	32	6 CALCANTOP
3145B.	Cam Quadrant Wedge ..	—	4 CALDOTABO
3149A.	Crank Case—Studded ..	370	0 CALUTEMPO
3150A.	Crank Case L.H. Cover—Bushed ..	87	6 CAMADEPOT
3154A.	Cylinder Front Cover Plate ..	1	2 CAMBISTIC
3154C.	Crank Case Door ..	3	3 CAMBRELLA
3154D.	Crank Case Trunk Door ..	1	10 CAMELOPAR
3155A.	Crank Shaft—fitted ..	420	0 CAMISABOR
3157B.	Crank Pin Bush—Inner half ..	21	0 CAMPANONG
3157C.	Crank Pin Bush—Outer half ..	22	0 CANSTONEB
3158A.	Wrist Pin Bush—L.H. ..	11	6 CANADANGO
3158B.	Wrist Pin Bush—R.H. ..	11	6 CANALITIC
3158C.	Wrist Pin ..	13	6 CANCANTOL
3158D.	Cam Disc Shaft ..	6	6 CANDARIUM
3160A.	Piston ..	40	0 CANISTABO
3160B.	Piston Ring ..	1	8 CANNOTRAM
3160C.	Piston Rod and Nut ..	34	0 CANOPICAL
3160D.	Crosshead ..	26	6 CANORANGE
3169A.	Piston Rod Gland ..	1	4 CAPRICACT
3170C.	Oil Pump Pin ..	1	6 CAPULONIT
3179D.	Connecting Rod ..	45	0 CAMOMINTI
3250A.	Chain Pinion—15 teeth and Rivet ..	85	0 CARATRIST
3331A.	Cam Shaft ..	110	0 CARIBRANT
3333A.	Chain Pinion—12 teeth and Rivet ..	85	0 CARINATIM
3352A.	Wrist Pin Set Pin ..	—	4 CARLOTING
3354A.	Chain Pinion Nut ..	11	6 CARMAGIST
3354B.	Crosshead Nut ..	3	9 CARMINATE
3355B.	Cam Shaft Bevel Wheel Feather Pin ..	—	2 CAROBITIC
3355D.	Main Bearing Bush Pin ..	—	5 CAROLINGA
3355F.	Wrist Pin Bush Pin ..	—	3 CARPINGAL
3357A.	Cam Shaft Bevel Wheel Feather ..	1	8 CARPOLINT
3357C.	Chain Pinion Feather ..	1	8 CARRATABO
3357D.	Crank Case Bevel Wheel Feather ..	1	8 CARSONNAT
3357E.	Crank Case Bevel Pinion Feather ..	1	0 CARTALRON
3397H.	Connecting Rod Bolt and Nut ..	6	0 CAYMANIST
3484A.	Chain Pinion—9 tooth and Rivet ..	84	6 CALFANDO

SPARE PARTS for SENTINEL STEAM WAGGONS



SPARE PARTS for SENTINEL STEAM WAGGONS

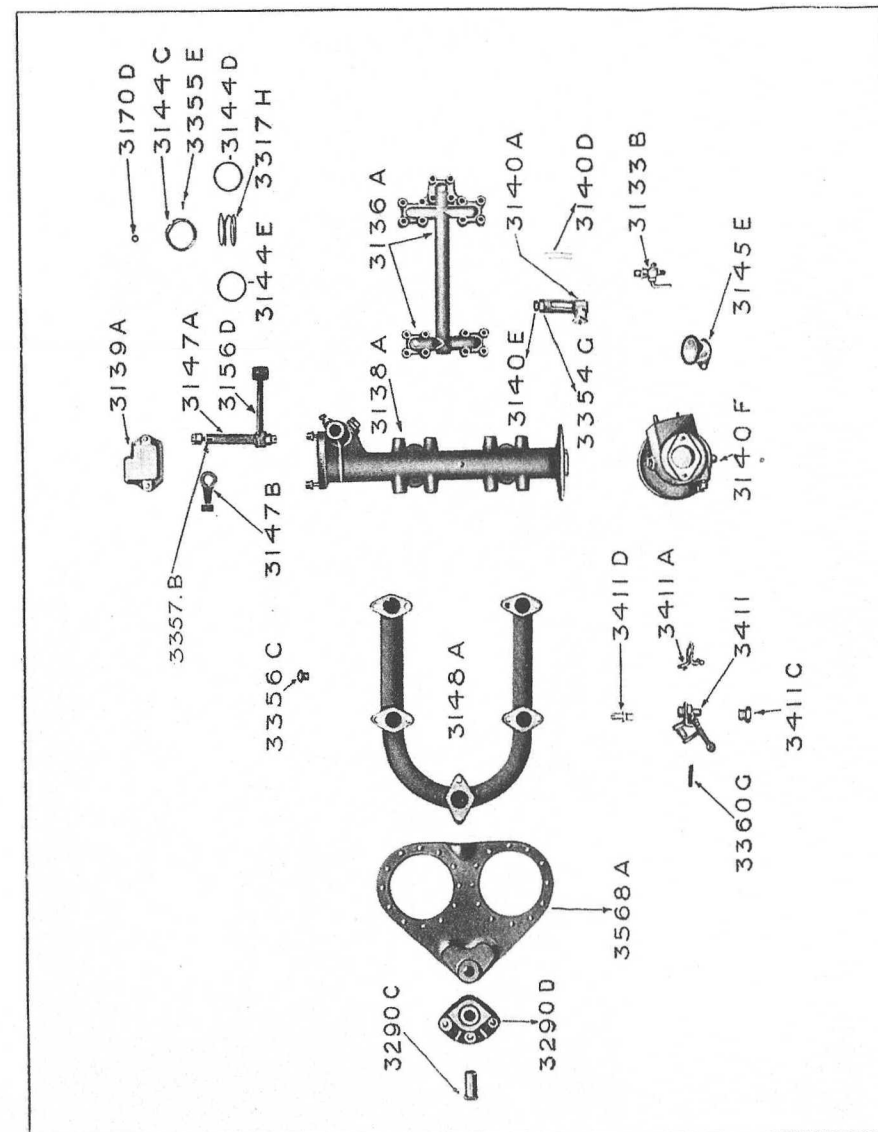
Engine (continued).

List No.		Price.		Code Word.
		s.	d.	
3133B.	Special Drain Cock— $\frac{1}{2}$ "	5	6	CABOBINGA
3136A.	Steam Pipe (Below Cylinder) Mall.			
	Cast.	35	0	CACHOLANG
3138A.	Cam Box—Studded	80	0	CACOGANTI
3139A.	Cam Box End Door	2	0	CACOLOGIC
3140A.	Oil Level Gauge, for Crank Case or			
	Cam Box	5	6	CADASPRIG
3140D.	Oil Level Gauge Glass	—	6	CADENICAL
3140E.	Oil Level Gauge Plug	—	6	CADETALON
3140F.	Cam Shaft Wheel Case—Studded ..	27	6	CADIFUNGO
3144C.	Oil Retaining Gland—Complete ..	4	5	CALCOLUST
3144D.	Oil Retaining Gland Packing Ring ..	—	5	CALDIGON
3144E.	Oil Retaining Gland Packing Washer	1	1	CALDIGIST
3145E.	Crank Case Oil Filler	8	9	CALDIGER
3147A.	Camshaft Finger Spindle with			
	Feathers and Nuts	15	0	CALMETRAP
3147B.	Camshaft Finger	9	6	CALMERAG
3148A.	Exhaust Pipe (Below Cylinder) Mall.			
	Cast.	51	6	CAMEFLUP
3156D.	Control Box Lever	11	0	CAMLETOSA
3170D.	Oil Pump Pin Collar	—	2	CAPTRALTO
3290C.	Cylinder Suspension Pin	10	0	CARDALLOP
3290D.	Cylinder Suspension Bracket	10	6	CARDANTIC
3317H.	Oil Retaining Gland Spring	—	7	CARDIPOD
3354G.	Oil Level Gauge Nut	—	6	CARNIVORT
3355E.	Oil Retaining Gland Rivet	—	2	CAROTINOB
3356C.	$\frac{3}{4}$ " Gas Plug	—	6	ABLAZABLE
3357B.	Camshaft Finger Spindle Feather ..	1	4	CARJUNK
3360G.	Drain Valve Lever Pin	—	3	CARTILBAS
3411.	Drain Valve—Assembled Complete	17	0	CUJINKER
3411A.	Drain Valve Lever Bracket	1	6	CARKLINK
3411C.	Drain Valve Body	4	0	CARMUG
3411D.	Drain Valve	4	0	CARMOTEL
3568A.	Cylinder Suspension Plate	15	6	CARNIGER
3000C.	Crank Case Susp. Bracket Cap only	21	6	CUPRISEL
A.S.25	Oil Level Gauge Washer	—	1	CUPRUFING
„ 28	Drain Gear Wire Rope	—	9	CUPLINFOR

Assembled Parts.

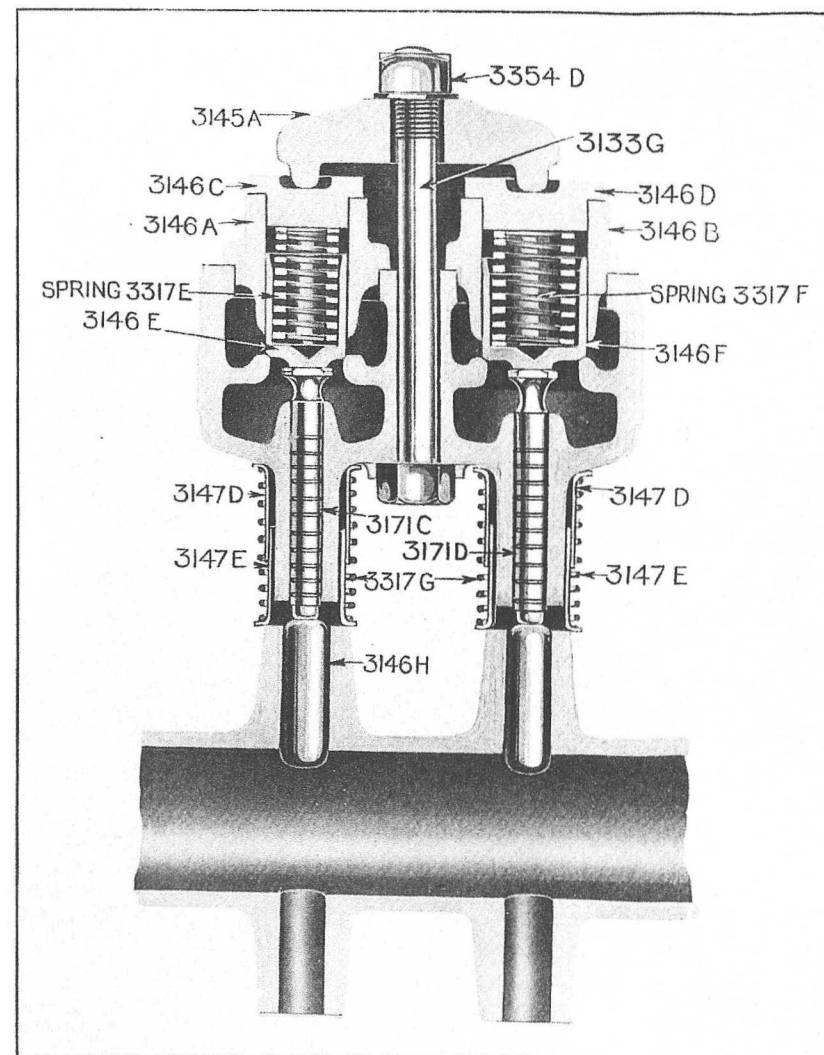
List No.		Price.		Code Word.
		s.	d.	
A.S.23	Cylinder—Cleaded and Studded ..	128	0	CUPENDUM
„ 24	Cylinder—Fitted Complete	245	0	CUPROPER
„ 26	Control Box Lever, fitted with Cam-			
	shaft Finger Spindle and Feathers	37	0	CUPRODIE
„ 27	Connecting Rod, fitted with Crank			
	Pin and Wrist Pin Bushes	110	0	CUPRAGSIG
„ 29	Engine Suspension Rod and Nut ..	46	4	CUPLAGMUG
„ 30	Engine Suspension Rod Bracket ..	13	3	CUPLOMAR
„ 31	Engine Suspension Rod Bolt and Nut	10	5	CURRISEN

SPARE PARTS for SENTINEL STEAM WAGGONS



Engine Valve Gear

List. No.			Price.	Code Word.
		s.	d.	
3133G.	Valve Chest Dog Bolt and Nut ..	—	10	CABRIAPOT
3145A.	Valve Chest Dog	1	8	CALDERMIN
3146A.	Steam Valve Cover	3	3	CALEDONIC
3146B.	Exhaust Valve Cover	2	3	CALEFACTO
3146C.	Steam Valve Cover Cap	1	8	CALFANIST
3146D.	Exhaust Valve Cover Cap	1	8	CALIBANTO
3146E.	Steam Valve	2	3	CALICADOR
3146F.	Exhaust Valve.. .. .	2	3	CALIDISTA
3146H.	Valve Push Rod	2	3	CALLOWPEG
3147D.	Valve Stem Dust Shield—Top ..	—	9	CALOMELTA
3147E.	Valve Stem Dust Shield—Bottom ..	—	9	CALORICAL
3171C.	Steam Valve Stem	1	5	CARACARON
3171D.	Exhaust Valve Stem	1	5	CARAMBOLT
3317E.	Steam Valve Spring	—	6	CARDIGANT
3317F.	Exhaust Valve Spring	—	7	CARDOONAL
3317G.	Valve Stem Dust Shield Spring ..	—	3	CAREFANDA
3354D.	Valve Chest Dog Bolt Nut	—	3	CARNATRON

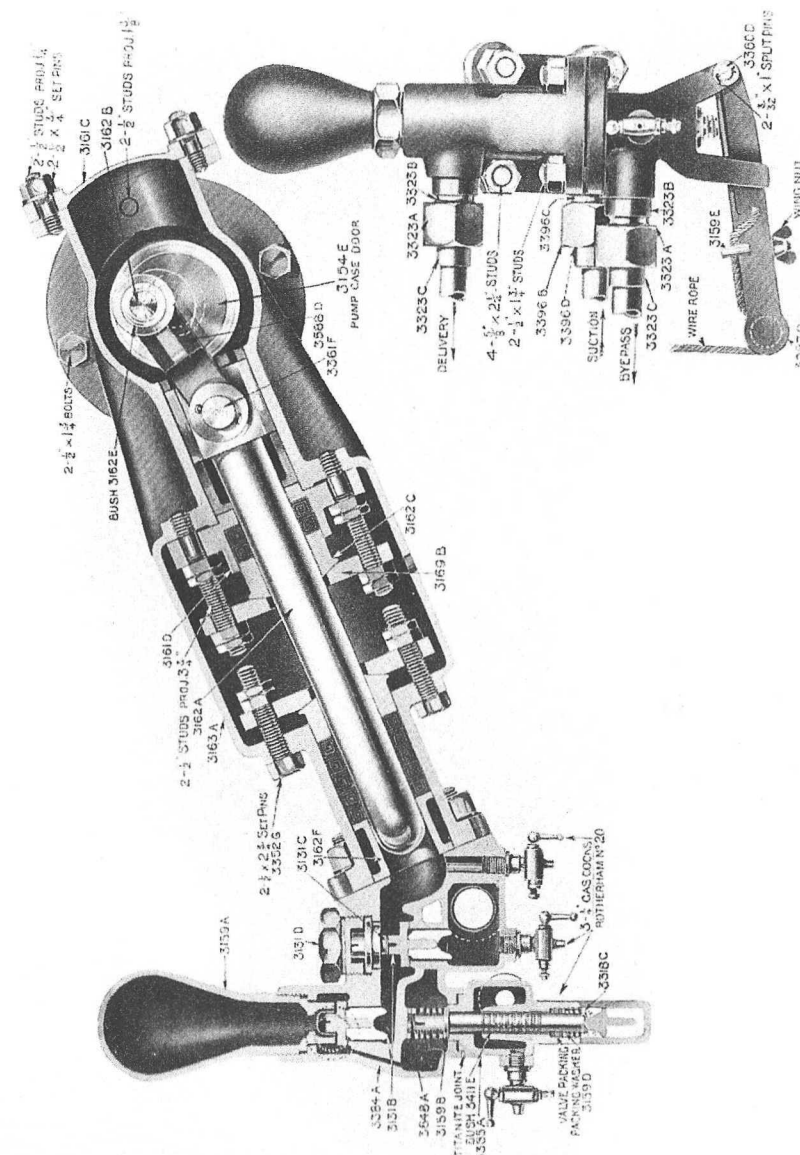


Feed Pump

List No.		Price	Code Word.
		s. d.	
3131B.	Pump Suction or Delivery Valve ..	2 4	CABINAGAL
3131C.	Pump Suction Valve Stopper ..	1 3	CABINETTO
3131D.	Pump Suction Valve Plug ..	4 0	CABIRABOR
3154E.	Pump Case Door ..	1 9	CAMERATAL
3159A.	Feed Pump Air Receiver ..	8 6	CANDIDAST
3159B.	Bypass Valve—in Stainless Steel ..	5 10	CANELLANT
3159D.	Bypass Valve Packing Washer ..	— 1	CANEPRIST
3159E.	Pump Control Rope Bolt ..	— 2	CANICALOT
3161C.	Pump Case End Door ..	1 4	CANTI'PORT
3161D.	Pump Case Stuffing Box ..	3 10	CANTONGAL
3162A.	Pump Ram ..	38 0	CAPARILLO
3162B.	Pump Crank Pin ..	6 10	CAPIBARIT
3162E.	Pump Connecting Rod Bush ..	3 0	CAFORALLA
3162C.	Pump Gland Bush ..	5 0	CAPITOCIP
3162F.	Pump Neck Ring ..	4 3	CAPONANTO
3163A.	Pump Casing—Studded ..	65 0	CAPOTRANG
3169B.	Pump Gland ..	1 4	CAPSTANDO
3287D.	Bypass Valve Lever ..	1 5	CARBARONT
3318C.	Bypass Valve Packing Spring ..	— 2	CAREMINGO
3323A.	1" Coupling Nut ..	— 11	BESIDARAL
3323B.	1" Coupling Nipple ..	1 7	BETOKANGO
3323C.	1" Coupling Collar ..	— 5	BESPOTALO
3360D.	Bypass Valve Lever Pin ..	1 0	CARTEBATE
3361F.	Pump Wrist Pin ..	— 8	CARTIPANG
3384A.	Pump Valve Chest—Studded ..	50 0	CASBANTIC
3385A.	Bypass Valve Chest—Studded ..	25 0	CASTAWAY
3396B.	1 1/2" Coupling Nut ..	2 0	CASTIGATO
3396C.	1 1/2" Coupling Nipple ..	2 6	CAVELLANT
3396D.	1 1/2" Coupling Collar ..	— 6	CAVOTTEER
3411E.	Bypass Valve Bush ..	— 7	CODATER
3588D.	Pump Connecting Rod and Bush ..	14 0	CODENSOL
3648A.	Bypass Valve Spring ..	— 5	CODENTAC

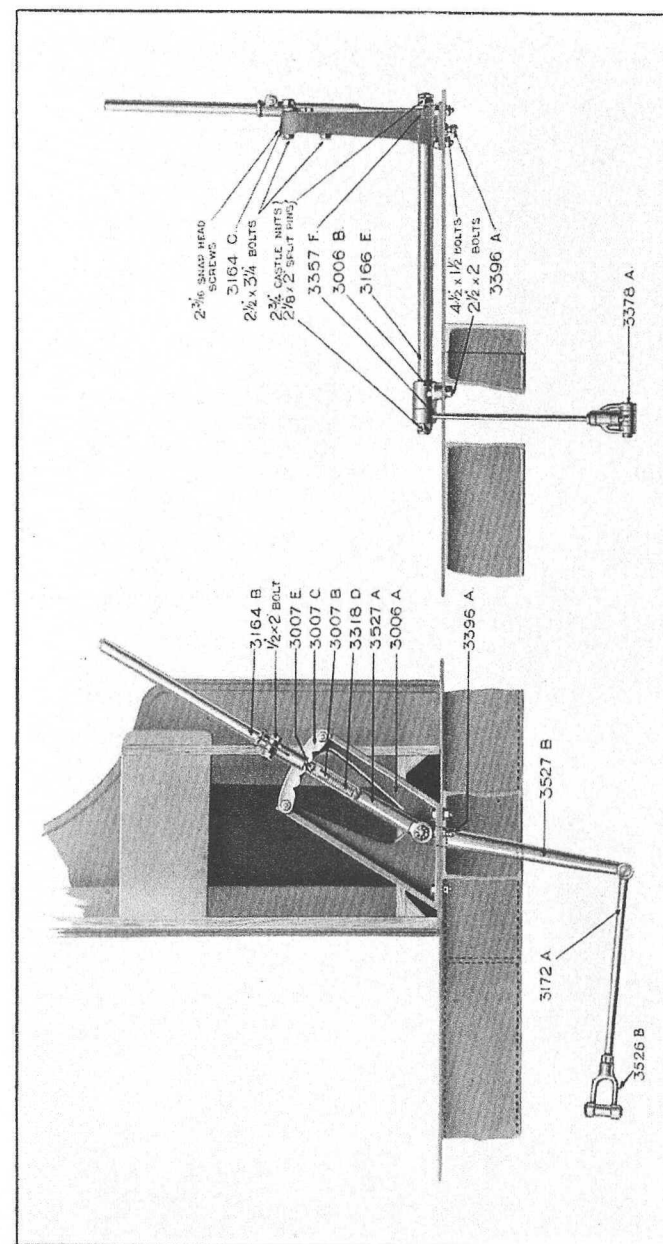
Assembled Parts

List No.		Price	Code Word.
		s. d.	
A.S.32	Pump Valve Chest—Fitted complete ..	90 0	CUDATEN
" 33	Pump Valve Chest and Bypass Valve Chest—Fitted complete ..	140 0	CUDINFOR
" 34	Bypass Valve—Fitted complete ..	50 0	CUDELGUR
" 35	Pump Casing—Fitted complete ..	160 0	CUDOMAN
" 36	Feed Pump, complete with Pump and Bypass Valve Chests ..	310 0	CUDOTIST



Reversing Gear

List No.		Price.	s.	d.	Code Word.
3006A.	Reversing Lever Bracket	..	13	6	AARONIC
3006B.	Reversing Shaft Bracket	..	3	3	ABELOG
3007B.	Reversing Lever Ball Socket	..	1	0	ABELIMP
3007C.	Reversing Lever Quadrant	..	4	6	AARDWOLF
3007E.	Reversing Lever Ball	..	—	4	ABELUF
3164B.	Reversing Lever Handle	..	3	10	ABBATIAL
3164C.	Reversing Lever Index Plate	..	1	0	ABELODE
3166E.	Reversing Shaft with Nuts and Feathers	..	13	0	ABELAND
3172A.	Reversing Rod only	..	11	6	ABEPRING
3318D.	Reversing Lever Spring	..	—	4	ABEPROL
3357F.	Reversing Shaft Feather	..	1	4	ABEPROTE
3378A.	Reversing Rod End Pin and Wyper Lever Pin	..	1	6	ABEPRUF
3396A.	Reversing Shaft Bracket Lub. Nipple	..	—	7	ABEPRITZ
3526B.	Reversing Rod End	..	8	6	ABEPRAM
3527A.	Reversing Lever	..	19	6	ABEPOFEN
3527B.	Reversing Wyper Lever	..	23	6	ABEPLUMP
A.S.37	Reversing Rod and End—fitted complete	..	20	6	ABEPLIX
„ 38	Reversing Gear—Complete	..	120	0	ABEPLD

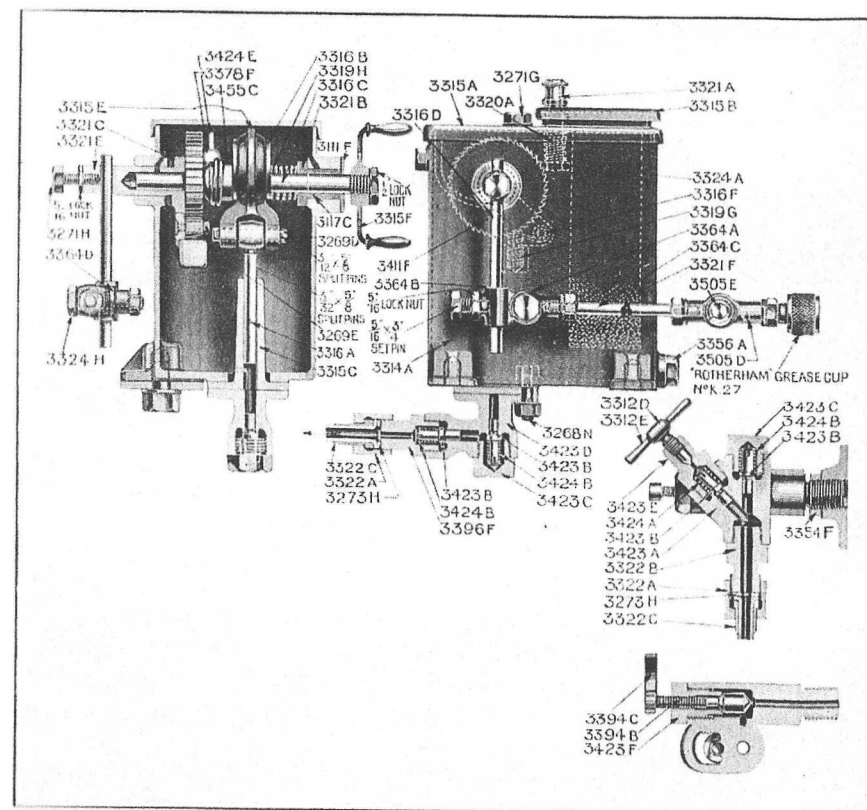


SPARE PARTS for SENTINEL STEAM WAGGONS

Cylinder Lubricator

List No.		Price.	Code.	Word.
s.	d.			
3111F.	6		CEBADANGO	Lubricator Shaft Retaining Washer
3117C.	7		CEBUSTRAP	Lubricator Shaft Bush
3269D.	6		CEDATARIC	Lubricator Plunger Wrist Pin
3269E.	6		CEDILATIC	Lubricator Pawl Pin
3312D.	10		CICADACTA	Lubricator Test Valve Spindle
3312E.	7		CIDARENTO	Lubricator Test Valve Spindle Handle
3314A.	0		CELIBANDO	Lubricator Body
3315A.	9		CELLARCOL	Lubricator Body Cover
3315B.	4		CELTANTOR	Lubricator Cover Lid
3315C.	3		CEMENTRAP	Lubricator Cylinder
3315F.	3		CENACTIST	Lubricator Handle
3315E.	6		CEMETERIC	Lubricator Ecc. Strap
3316A.	9		CENOBILLA	Lubricator Plunger
3316D.	11		CENTESIMO	Lubricator Driving Rod
3316B.	6		CENSORWAS	Lubricator Eccentric
3316C.	2		CENTABORN	Lubricator Shaft
3316F.	2		CENTILITA	Lubricator Pawl
3319G.	4		CENTIMABO	Lubricator Pawl Spring
3319H.	2		CENTINELO	Lubricator Shaft Spring
3320A.	2		CENTOBRAS	Lubricator Lid Spring
3321A.	4		CENTRICOL	Lubricator Lid Knob
3321B.	2		CENTRIPET	Lubricator Shaft Washer
3321C.	1		CENTROBAR	Lubricator Pawl Carrier Washer
3321E.	8		CENTUPING	Lubricator Pawl Carrier
3321F.	6		CERATOLIN	Lubricator Oil Filter
3322A.	4		BLATOPANT	1/2" Coupling Nut
3322B.	9		BLEBAFEEL	1/2" Coupling Nipple
3322C.	2		BLEMATING	1/2" Coupling Collar
3324A.	0		CERBERUST	Lubricator Lid Bolt
3324H.	11		CIVILLAGE	Lubricator Driving Rod Crank Pin
3354F.	6		CITRONTOP	1/2" Gas Lock Nut
3356A.	3		CERCARIAT	1/2" Gas Plug
3364A.	0		CLAFELLON	Lubricator Connecting Rod Ends
3364B.	6		CLARABELT	Lubricator Driving Rod Crank
3364C.	9		CLADARANT	Lubricator Connecting Rod
3364D.	2		CLARENCOF	Lubricator Crank Washer
3378F.	3		CLAGHON	Lubricator Shaft Retarding Spring Fixing Pin
3394B.	7		CINGALANT	Lubricator Shut-off Valve
3394C.	8		CIPOLINO	Lubricator Shut-off Valve Handle
3396F.	11		CEREBRUNT	Special 1/2" Coupling Nipple
3411F.	3		CLAGMIX	Lubricator Ratchet Wheel
3423A.	6		CIRCABONE	Lubricator Test Valve Body
3423B.	11		CEREMONTA	Lubricator Check Valve
3423C.	8		CERESANGO	Lubricator Check Valve Cap
3423D.	6		CERGANART	Lubricator Valve Chest
3423E.	6		CISALPONT	Lubricator Test Valve Seat
3423F.	11		CISTELLAT	Lubricator Shut-off Valve Cap
3424A.	1		CITAFERNO	Lubricator Test Valve Spring
3424B.	3		CERTANCAN	Lubricator Check Valve Spring
3424E.	3		CLAGFUT	Lubricator Shaft Retarding Spring
3455C.	4		CLAGSIM	Lubricator Shaft Distance Piece
3505D.	3		CLAGBOZ	Lubricator Connecting Rod End

SPARE PARTS for SENTINEL STEAM WAGGONS

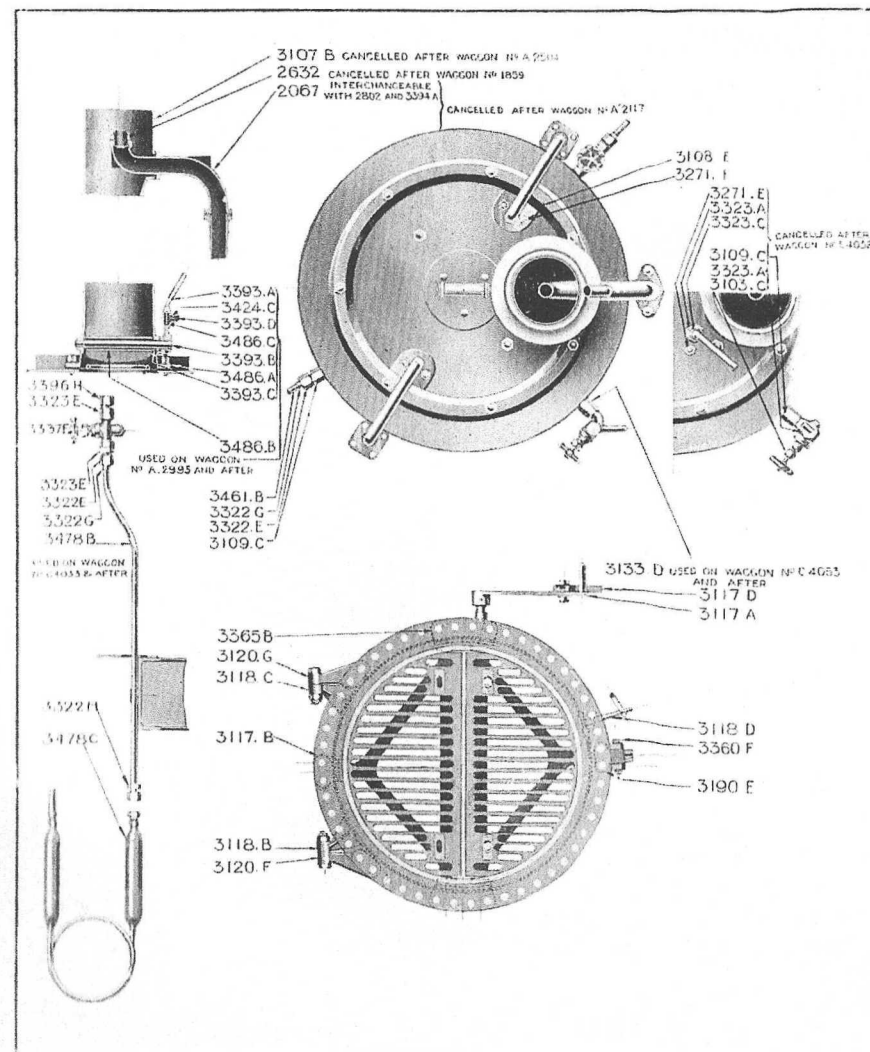


List No.		Price.	Code Word.
s.	d.		
3505E.	4		CLAGJUG
A.S. 221	1		CLAGKIN
3312B.	5		CYDOBAR
	0		

List No.	Assembled Parts	Price.	Code Word.
s.	d.		
A.S. 39	Lubricator Connecting Rod with Ends and Grease Cup	10	0
40	Lubricator Connecting Rod End and Grease Cup	6	9
41	Lubricator Connecting Rod Ends, Grease Cup and Driving Rod Complete	12	0
42	Lubricator, Fitted Complete with Valve Chest	120	0
43	Lubricator, Fitted complete with Valve Chest and Bracket	125	0
44	Test Valve, Fitted Complete	30	0
			CYDODRAN

Boiler

List No.		Price.	Code Word.
		s. d.	
2067.	Blast Pipe Bend (Cancelled after Waggon No. 2117)	17 0	BANSIMON
2632.	Blast Nozzles (Cancelled after Waggon No. 1859)	4 0	BANSOPER
2802.	Blast Pipe Bend (Cancelled after Waggon No. 1859) Not illustrated	17 6	BANSTIKY
3103C.	Boiler Cleaning Valve	35 0	BANSORFUL
3107B.	Funnel Base (cancelled after Waggon No. 2504)	31 6	BALUSABON
3108E.	Superheater Steady Plates	— 6	BANSUMPEL
3109C.	Special Nipple	1 2	BAXTEME
3115C.	Boiler Cleaning Ring and Nipple (cancelled after Waggon No. 4032) Not illustrated	12 9	BAXTRICK
3117A.	Firegrate Trunnion Lever	3 0	BARTITONIC
3117B.	Rear Firegrate Trunnion Bracket	2 3	BARKABATE
3117D.	Trunnion Lever Quadrant	3 3	BASINENTA
3118B.	Ashpan Hinge—R.H.	2 0	BARLYBRED
3118C.	Ashpan Hinge—L.H.	2 0	BARMBRACK
3118D.	Ashpan Hook	1 5	BAROGATOR
3120F.	Ashpan Hinge Bracket—R.H.	1 4	ABATABLES
3120G.	Ashpan Hinge Bracket—L.H.	1 4	ABATTISKA
3133D.	Boiler Cleaning Valve Nipple (Used on Waggon No. 4033 and after)	1 0	BAXTRUMP
3190E.	Firegrate Trunnion Clip Bracket	1 9	ABEAMEAR
3271E.	Brass Set Pins	— 3	BAXTOGAN
3322E.	$\frac{3}{4}$ " Coupling Nut	— 6	BLENDRACT
3322G.	$\frac{3}{4}$ " Coupling Collar	— 4	BLESTABOM
3322H.	$\frac{3}{4}$ " Special Nipple	— 4	BAXTINER
3323A.	1" Coupling Nut	— 11	BESIDARAL
3323C.	1" Coupling Collar	— 5	BESOTALO
3323E.	$\frac{1}{2}$ " x $\frac{3}{4}$ " Coupling Nipple	— 5	BLIGARROP
3337F.	Boiler Cleaning Valve	23 6	BAXTOPEL
3360F.	Firegrate Trunnion Clip Pin	— 3	BEBEERISH
3365B.	Firegrate Trunnion Bracket	3 0	ABLOOMAB
3393A.	Damper Valve Lever (Used on Waggon No. 2505 and after)	2 3	BAXTOZED
3393B.	Damper Valve Shaft	4 9	BAXTOMUG
3393C.	Damper Valve Collar	— 5	BAXTONIP
3393D.	Damper Valve Plunger	— 4	BAXTOGID
3396H.	$\frac{3}{4}$ " G.M. Blind Nut	— 9	BAXTOGUF
3424C.	Damper Valve Spring	— 1	BAXTOJUL
3461B.	Auxiliary Valve Pipe	7 9	BORGANNIC
3478B.	Boiler Cleaning Pipe	13 6	BAXTAGEL
3478C.	Flex. Cleaning Tube with Nozzle	30 0	BAXTAMEP
3486A.	Funnel Base with Damper Valves (Used on Waggon No. 2505 and after)	60 0	BAXTASEL
3486B.	Damper Valve	3 6	BAXTAFUX
3486C.	Quadrant Bracket	— 11	BAXTADON

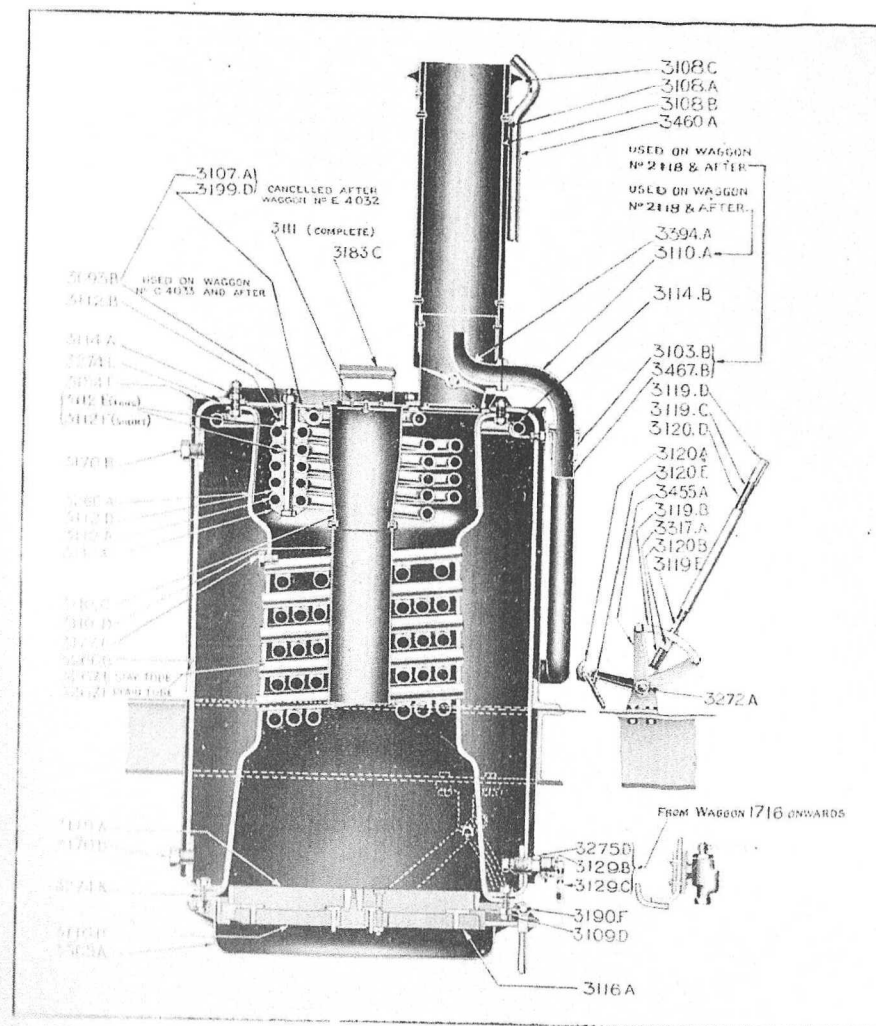


SPARE PARTS for SENTINEL STEAM WAGGONS

Boiler (continued).

List. No.		Price.		Code Word.
		s.	d.	
3103B.	Exhaust Pipe Flanges (Used on Waggon No. 2118 and after) ..	4	9	BADBAXT
3107A.	Boiler Top Plate studded (Cancelled after Waggon No. 4032) ..	39	0	ABRAXAS
3108A.	Funnel Outer Casing only ..	30	0	BADCRUMP
3108B.	Funnel Inner Casing only ..	32	0	BADOGER
3108C.	Funnel Coping ..	13	4	BAMBOOMIC
3109D.	Boiler Stud Cap Nut ..	—	6	BANALAPOR
3110A.	Blast Pipe Bend ..	9	0	ABANDONED
3110C.	Stoking Shoot—Top Half ..	11	0	BANDANGAL
3110D.	Stoking Shoot—Bottom Half ..	9	6	BANGOPADO
3111.	Furnace Door—Complete ..	5	6	BANISHORT
3112A.	Superheater Coil and End Flanges ..	130	0	BANNEFOLT
3112B.	Superheater Top Dog ..	—	7	BANTAMIPO
3112C.	Superheater Bottom Dog ..	—	3	BARACANIC
3112D.	Superheater Packing Piece ..	—	4	BARBARMAP
3112E.	Superheater Long Bolt ..	1	0	BARBETTOR
3112F.	Superheater Short Bolt ..	—	10	BARCARONT
3114A.	Boiler Stud Cover ..	23	0	ABRIDGMET
3114B.	Collector Pipe ..	14	6	BADFLING
3115A.	Set of Firegrates—in halves, (Cold Blast Iron) ..	38	0	BARESANET
3115A.	Set of Firegrates (Good Cast Iron) ..	27	6	BADFRIST
3116A.	Front Firegrate Trunnion ..	22	0	ABASHMENT
3116B.	Rear Firegrate Trunnion ..	17	6	BARICULUM
3119B.	Ashpan Quadrant ..	2	3	BARONISTO
3119C.	Push Rod ..	—	7	BARTAMENT
3119D.	Push Rod Top End ..	—	6	BARYTACON
3119E.	Push Rod Bottom End ..	—	7	BASABONIC
3120A.	Ashpan Lifting Arm ..	2	0	BASSOONIP
3120B.	Ashpan Ratchet Pawl ..	—	9	BASTICALP
3120D.	Ashpan Hand Lever ..	2	2	BATABONOR
3120E.	Ashpan Lifting Rod ..	—	6	BATHOMETO
3129B.	Blow off Valve Spindle (From Waggon No. 1716 onwards) ..	4	10	BADGUF
3129C.	Blow off Valve Handle (From Waggon No. 1716 onwards) ..	—	10	BADGREG
3154F.	Boiler Cleading Ring ..	25	0	BADGLUP
3170B.	Filling Plug ..	3	6	ABBOTSHIP
3170B.	Washout Plug ..	3	6	BADHUMP
3177F.	Fusible Plug ..	4	0	BADHULM
3183C.	Furnace Door Handle ..	—	6	ABECEDARN
3190F.	Firegrate Trunnion Clip ..	2	6	
3199D.	Boiler Cleaning Ring Clip (Cancelled after Waggon No. 4032) ..	1	2	BADHOLD
3266A.	Firebox with Tubes and Studs ..	1300	0	BATTAPATO
3266B.	Outer Shell with Studs ..	1000	0	BATTELSOP
3272A.	Lifting Arm Fulcrum Pin ..	—	10	BAYANTICO
3274K.	Boiler Bottom Joint ..	9	6	BEACONKED
3274L.	Boiler Top Joint ..	9	6	BEADAMLET
3275D.	Blow off Valve Chest (From Waggon 1716 onwards) ..	10	10	BADHOME
3317A.	Ratchet Pawl Spring ..	—	2	BEAMSTERO
3365A.	Ashpan complete with Hinges & Hook ..	60	0	ABLEGATOR
3394A.	Blast Pipe Nozzle ..	4	0	BADHORT
3455A.	Ashpan Quadrant Bracket ..	5	11	BADHONE

SPARE PARTS for SENTINEL STEAM WAGGONS



List No.	Boiler (continued).	Price.		Code Word.
		s.	d.	
3160A.	Safety Valve Discharge Pipe and Flange ..	25	0	BORABICAL
3167B.	Exhaust Pipe and Flanges—Heater to Funnel (From Waggon No. 2118 and after) ..	47	6	BORTAPAST
3693B.	Boiler Top Plate—Studded (From Waggon 4032 and after) ..	39	0	BADJUNK
3267F.	Boiler Plain Tubes ..	3	4	BADJIMY
3267E.	Boiler Stay Tubes ..	4	0	BADJONE

SPARE PARTS for SENTINEL STEAM WAGGONS

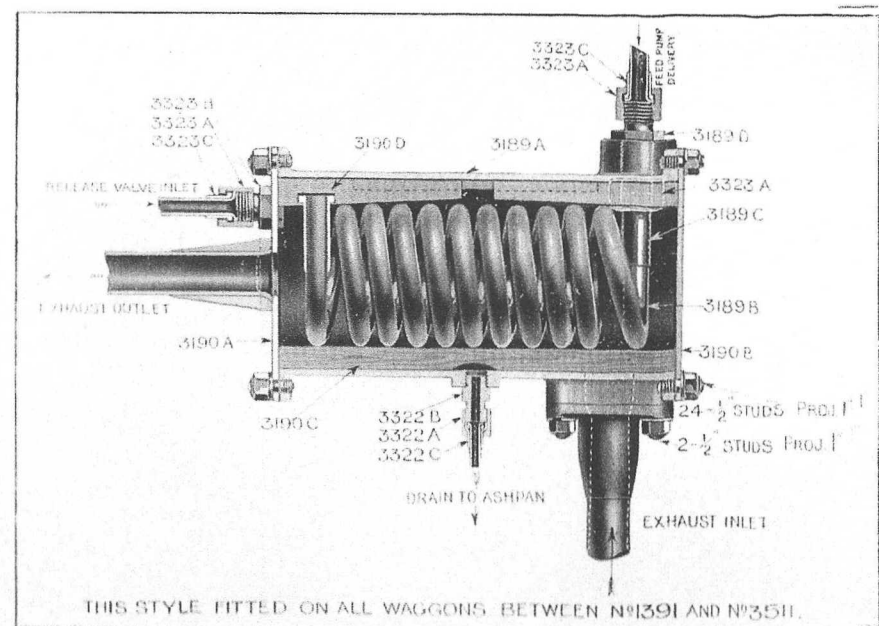
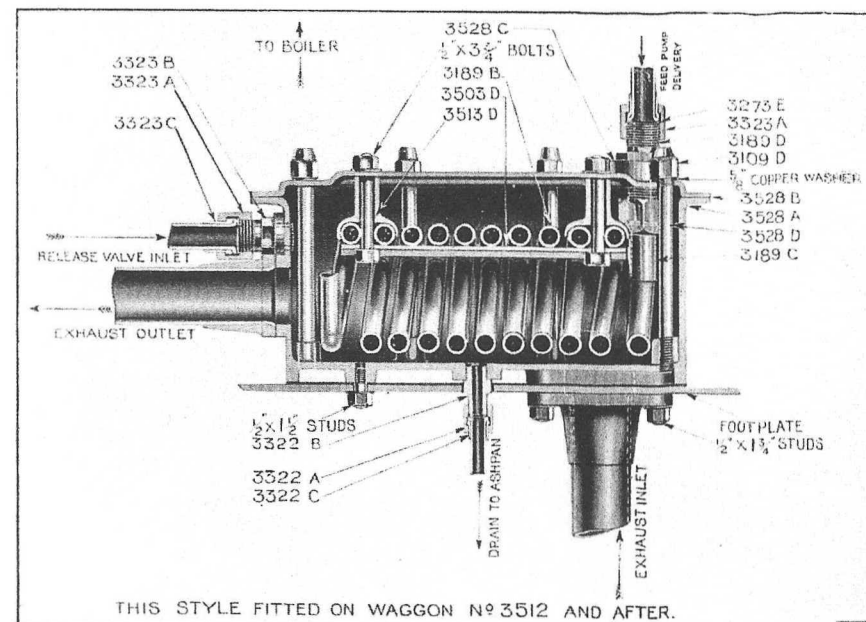
List No.	Boiler (concluded).	Price.	Code Word.
A.S. 45	Boiler Cleading Top Steel Sheet ..	s. 80	d. 0
" 46	Boiler Cleading Bottom Steel Sheet ..	45	0
" 47	Boiler Cleading Brass Band ..	6	4
" 48	Pressure Gauge Glasses ..	—	5
			BADJAKE
			BADJIT
			BADJUPU
			BILAJIM

List No.	Assembled Parts	Price.	Code Word.
A.S. 49	Pressure Gauge—Complete ..	s. 38	d. 6
" 50	Stoking Shoot—Complete ..	20	6
" 51	Ashpan Lifter Gear—Complete ..	21	3
" 52	Blow off Valve Chest—Complete ..	17	6
" 53	Superheater, fitted complete, with Boiler Top Plate ..	202	2
" 54	Funnel, complete with Base Damper Valve and Copping ..	130	0
" 55	Funnel Outer Casing and Copping ..	45	0
" 56	Superheater Coil, fitted with Dogs, Packing Pieces and Bolts ..	160	0
" 57	Ashpan Push Rod and Ends, complete	2	6
			BILAPOM
			BILADON
			BILASOP
			BILASIG
			BILARAG
			BILAMIN
			BILANOD
			BILADAD
			BILAFUG

Feedwater Heater

List No.		Price.	Code Word.
3109D.	Cap Nut ..	s. —	d. 6
3189A.	Feed Heater Body (on Waggon previous to No. 3511) ..	55	0
3189B.	Feed Heater Coil ..	40	0
3189C.	Feed Heater Coil Collar ..	—	9
3189D.	Feed Heater Coil Nipple ..	3	0
3190A.	Feed Heater Front Cover (On Waggon previous to No. 3511) ..	9	6
3190B.	Feed Heater Back Cover (On Waggon previous to No. 3511) ..	6	0
3190C.	Feed Heater Coil Packing Piece (On Waggon previous to No. 3511) ..	3	6
3190D.	Feed Heater Coil Wedge (On Waggon previous to No. 3511) ..	—	8
3322A.	$\frac{1}{2}$ " Coupling Nut ..	—	4
3322B.	$\frac{1}{2}$ " Coupling Nipple ..	—	9
3322C.	$\frac{1}{2}$ " Coupling Collar ..	—	2
3323A.	1" Coupling Nut ..	—	11
3323B.	1" Coupling Nipple ..	1	7
3323C.	1" Coupling Collar ..	—	5
3503D.	Feed Heater Coil Clamp Plate (From Waggon No. 3512 and after) ..	2	2
3513D.	Feed Heater Coil Clamp (From Waggon No. 3512 and after) ..	—	7
3528A.	Feed Heater Body (From Waggon No. 3512 and after) ..	43	0
3528B.	Feed Heater Cover (From Waggon No. 3512 and after) ..	13	0
3528D.	Feed Heater Cover Bolt (From Waggon No. 3512 and after) ..	—	10
A.S. 58	Feed Heater complete, latest style ..	165	0
			COPERBIG
			COPRUE
			COPRING
			COPLUG
			COPSIMER
			CUPFAM

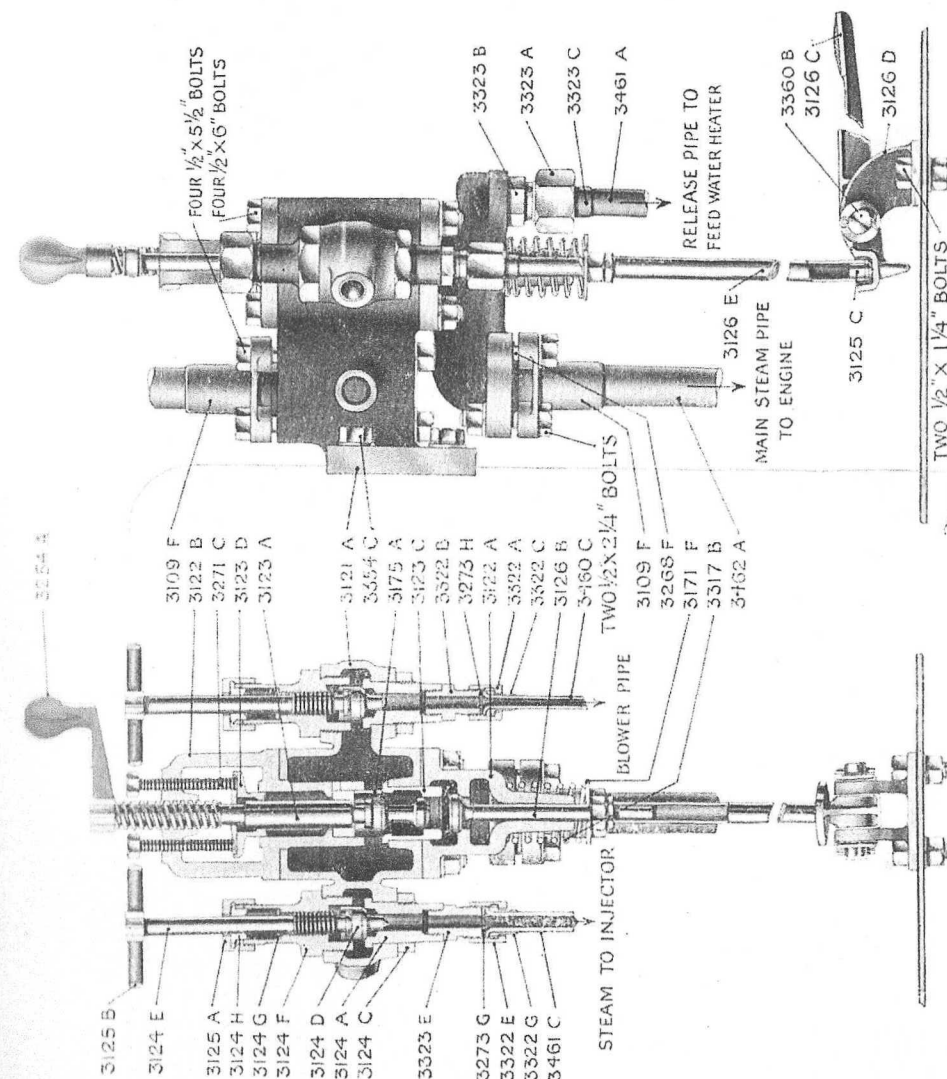
SPARE PARTS for SENTINEL STEAM WAGGONS



Boiler Mountings

Stop, Release and Auxiliary Valves

List No.		Price.	Code Word.
3109F.	Steam Flange	4	0 BENJAMANT
3121A.	Stop Valve Chest	47	6 BIRTAGIST
3122B.	Stop Valve Cover	20	0 BISACTENT
3122A.	Release Valve Chest	16	0 BISCLARO
3123A.	Stop Valve Spindle	11	0 BISMARCKED
3123C.	Stop Valve Seat	5	0 BISSONELK
3123D.	Stop Valve Spindle Gland	—	9 BISTORRAY
3124A.	Auxiliary Valve Seat	8	6 BISULCADI
3124C.	Auxiliary Valve Seat Nut	1	4 BEPESTORD
3124D.	Auxiliary Valve	2	3 BEPLUMENT
3124E.	Auxiliary Valve Spindle	2	8 BEPOMABOT
3124F.	Auxiliary Valve Stuffing Box	8	6 BERATANGO
3124G.	Auxiliary Valve Stuffing Box Washer	—	2 BERBERIST
3124H.	Auxiliary Valve Gland	2	6 BERRETCAP
3125A.	Auxiliary Valve Gland Nut	1	7 BERGAMOCK
3125B.	Auxiliary Valve Handle	—	11 BERIBERO
3125C.	Release Valve Push Rod Pad	—	2 BITCABRAN
3126B.	Release Valve	6	9 BITTACLAG
3126C.	Release Valve Foot Lever	2	0 BITTERNIT
3126D.	Release Valve Foot Lever Bracket	3	3 BITORBAT
3126E.	Release Valve Push Rod	1	2 BITTSIMON
3171F.	Release Valve Spring Washer	—	2 BITUBASTO
3175A.	Stop Valve	8	6 BITALCARA
3317B.	Release Valve Spring	—	5 BLACKEMOR
3254A.	Stop Valve Handle	1	0 BLAGUTIST
3268F.	One 1/2" x 2" Stud	—	3 BERMADICT
3271C.	Stop Valve Gland Set Pin	1	2 BLANDIRÉT
3273G.	3/4" Joint Washer	—	1 BLANKONAB
3273H.	1/2" Joint Washer	—	1 BLARENAPAC
3322A.	3/4" Coupling Nut	—	4 BLATOPANT
3322B.	3/4" Coupling Nipple	—	9 BLEBAFEEL
3322C.	3/4" Coupling Collar	—	2 BLEMATING
3322E.	3/4" Coupling Nut	—	6 BLENDRACT
3322G.	3/4" Coupling Collar	—	4 BLESTABOM
3323A.	1" Coupling Nut	—	11 BESIDARAL
3323B.	1" Coupling Nipple	1	7 BETOKANGO
3323C.	1" Coupling Collar	—	5 BESPOTALO
3323E.	1/2" to 3/4" Coupling Nipple	—	5 BLIGARROP
3354C.	3/2" Special Nut	—	3 BLINDELAN
3360B.	Release Valve Foot Lever Pin	—	4 BLOTAMENT
3121.	Stop, Release and Auxiliary Valve fitted complete	250	0 BOBARANDO
3460C.	Blower Pipe	31	0 BORDUMTED
3461A.	Release Pipe Stop Valve to Heater	25	0 BORFUNGAR
3461C.	Injector Steam Pipe	7	6 BORHONEST
3462A.	Main Steam Pipe—Stop Valve to Engine	41	0 BORIGINAL



SPARE PARTS for SENTINEL STEAM WAGGONS

Boiler Mountings (continued) Superheater Elbow and Auxiliary Valves

List No.		Price.	Code Word.
		s. d.	
3012B.	Superheater Elbow	20 0	BENISABOM
3109F.	Steam Flange	3 6	BENJAMANT
3124B.	Auxiliary Valve Seat	7 6	BEPATANDO
3124C.	Auxiliary Valve Seat Nut	1 4	BEPESTORD
3124D.	Auxiliary Valve	2 3	BEPLUMENT
3124E.	Auxiliary Valve Spindle	2 8	BEPOMABOT
3124F.	Auxiliary Valve Stuffing Box	7 6	BERATANGO
3124G.	Auxiliary Valve Stuffing Box Washer	— 2	BERBERIST
3124H.	Auxiliary Valve Gland	2 0	BERRITCAP
3125A.	Auxiliary Valve Gland Nut	1 7	BERGAMOCK
3125B.	Auxiliary Valve Handle	— 11	BERIBERO
3268F.	1" x 2" Stud	— 3	BERMADICT
3271A.	Boiler Mounting Set Pin	— 4	BERNINNOT
3273B.	Joint Washer	— 1	BEROBMENT
3273D.	Steam Joint Washer	— 1	BESETATIC
3323A.	1" Coupling Nut	— 11	BESIDARAL
3323C.	1" Coupling Collar	— 5	BESPOTALO
3464A.	Water Lifter Pipe, No. 1—Boiler End	31 0	BORITREMO
3012.	Superheater Elbow and Aux. Valve fitted complete	45 0	BESTORMAT

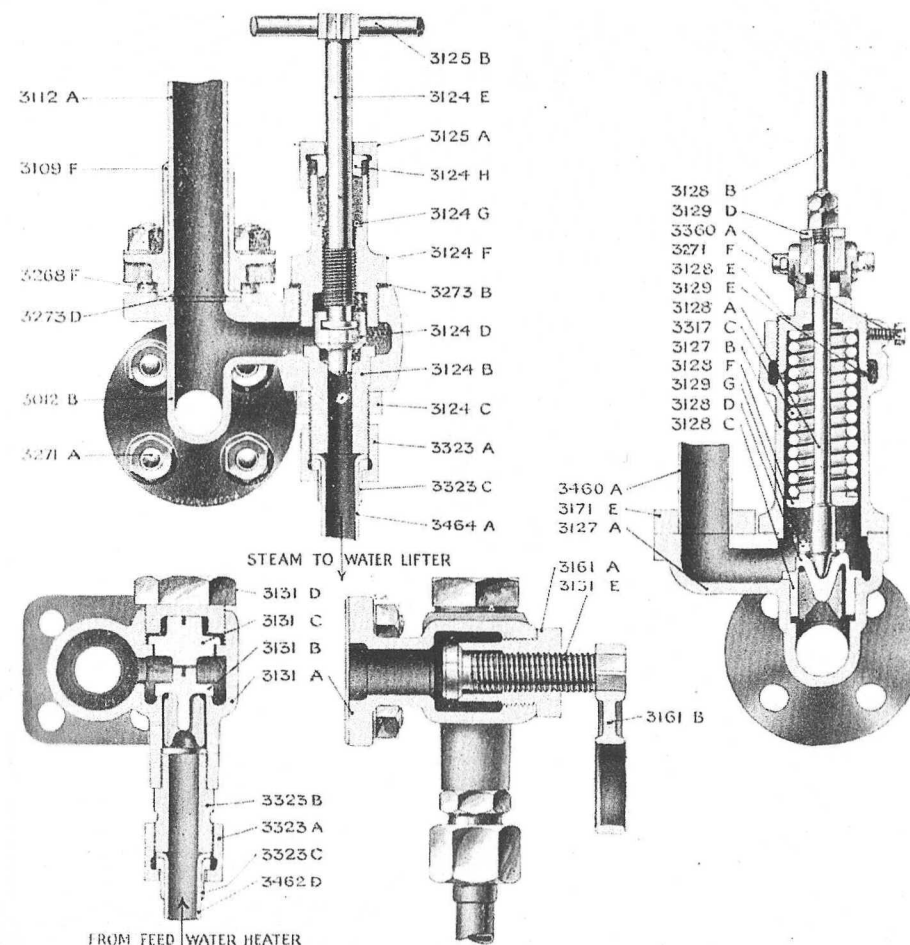
Feed Check Valve

List No.		Price.	Code Word.
		s. d.	
3131A.	Check Valve Chest	20 0	BESTOWAGO
3131B.	Check Valve	2 4	BESTUDILA
3131C.	Check Valve Stopper	1 3	BETABIKET
3131D.	Check Valve Plug	4 0	BETEEMIST
3131E.	Shut-off Valve	2 3	BETELEGAN
3161A.	Shut-off Valve Cap	2 9	BETIDABIT
3161B.	Shut-off Valve Handle	— 9	BETIMORIC
3323A.	1" Coupling Nut	— 11	BESIDARAL
3323B.	1" Coupling Nipple	1 7	BETOKANGO
3323C.	1" Coupling Collar	— 5	BESPOTALO
3462D.	Heater to Check Valve Pipe	14 0	BORIPATIC
3131.	Check Valve Chest fitted complete	42 0	BETROCABO

Safety Valve

List No.		Price	Code Word
		s. d.	
3127A.	Safety Valve Body	15 3	BETRODICT
3127B.	Safety Valve Cover	9 6	BETTERSAY
3128A.	Safety Valve Spindle	1 3	BETUMBAND
3128B.	Safety Valve Lever	1 0	BETUTORAB
3128C.	Safety Valve Seat	9 4	BEVELISTA
3128D.	Safety Valve	2 10	BEWITICAL
3128E.	Safety Valve Spring Adjusting Nut	5 6	BIBASAMOT
3128F.	Safety Valve Spring Washer	— 4	BICADARTI

SPARE PARTS for SENTINEL STEAM WAGGONS



List No.	Safety Valve (concluded).	Price.	Code Word.
		s. d.	
3129D.	Safety Valve Spindle Washer	— 3	BICAMERAD
3129E.	Safety Valve Spring Adjusting Washer	— 4	BICERBONA
3129G.	Safety Valve Spindle Pin	— 1	BICENTANG
3171E.	Safety Valve Discharge Pipe Flange	2 0	BICEPICAL
3271F.	Safety Valve Set Pin, 1" x 3/8"	— 2	BICPRANDIC
3317C.	Safety Valve Spring	— 9	BICONCAST
3360A.	Safety Valve Lever Pin	— 6	BICORPARD
3460A.	Safety Valve Discharge Pipe (including Flange 3171E)	24 6	BORABICAL
3127.	Safety Valve fitted complete	65 0	BIDACAMPA

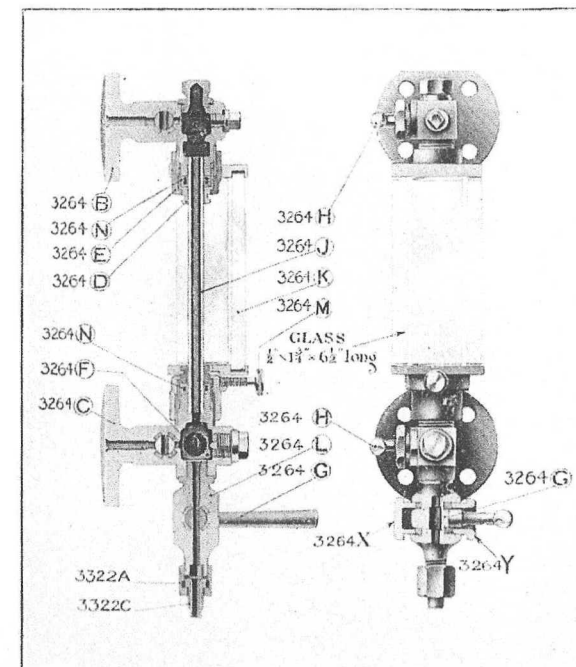
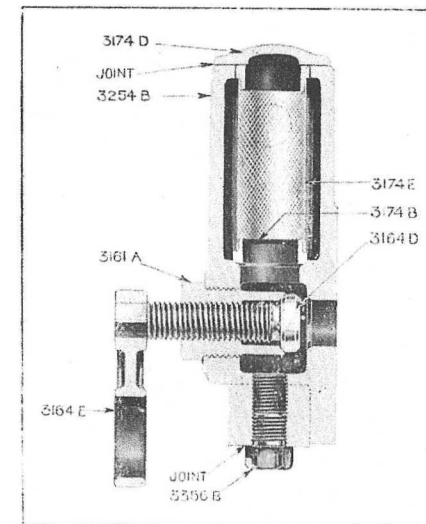
SPARE PARTS for SENTINEL STEAM WAGGONS

Water Filter

List No.		Price.	Code Word.
		s. d.	
3161A.	Shut-off Valve Cap	2 9	BETIDABIT
3164D.	Shut-off Valve	2 2	COBRADISH
3164E.	Shut-off Valve Handle	— 9	COCANTRAP
3174B.	Filter Mantle End	— 10	CODISTANT
3174D.	Water Filter Cover	— 9	COGNATABO
3174E.	Filter Mantle	2 2	COMAMAND
3254B.	Water Filter Body—Studded	17 3	COLANTRAG
3356B.	$\frac{1}{2}$ " Gas Plug	— 3	ACTONARTO
3426.	Water Filter complete	28 0	COLBERTIN
3174.	Filter Mantle and Ends	4 6	COGNOMIST

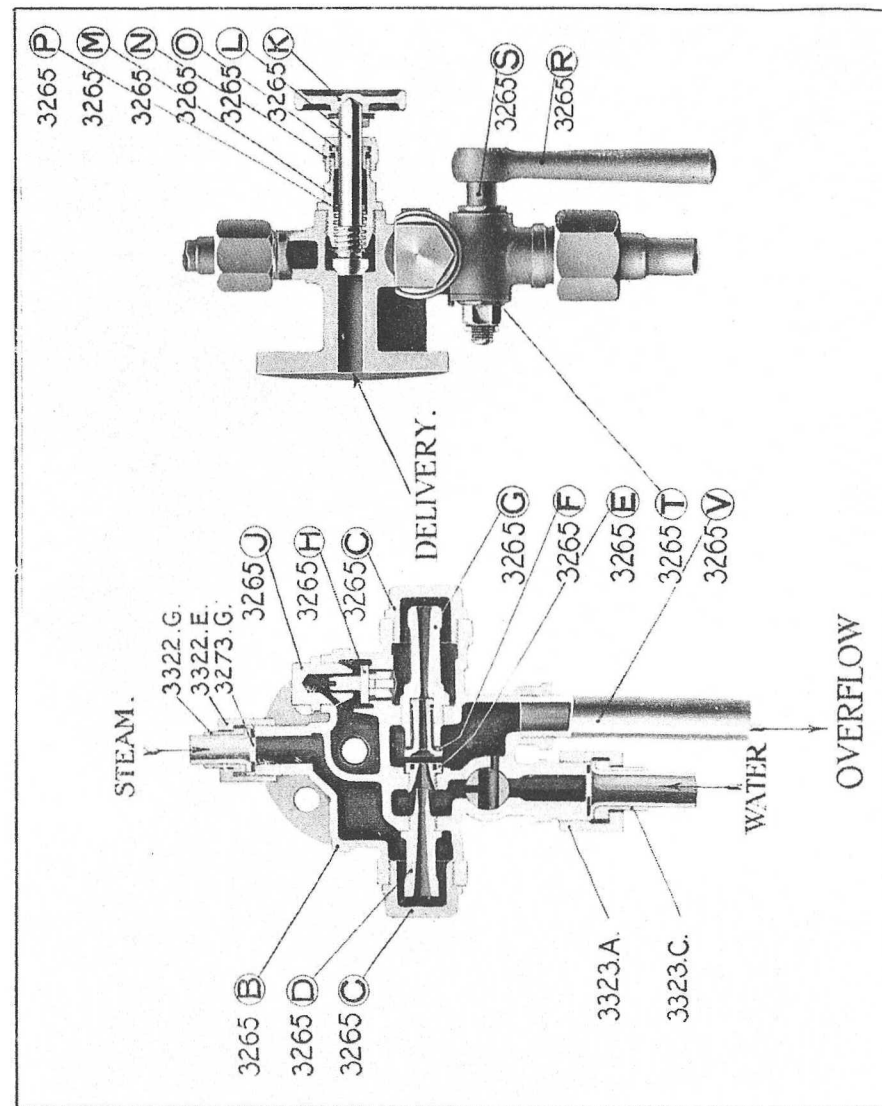
Water Level Gauge

List No.		Price.	Code Word.
		s. d.	
3264A.	Water Level Gauge—Complete	110 0	DAMPLON
3264B.	Top Half Fitting	45 0	DAMPUG
3264C.	Bottom Half Fitting	65 0	DAMSLAP
3264D.	Glands	2 4	DAMSTUNT
3264E.	Gland Nuts	2 8	DAPQUEN
3264F.	Ball	1 6	DAPROG
3264G.	Arm Plug	4 9	DAPLAF
3264H.	Handles	7 0	DAPBET
3264J.	Gauge Glass	— 4	DAPRART
3264K.	Gauge Glass Protector—Complete	26 0	DAPRELS
3264L.	Drain Cock	26 0	DADSAM
3264M.	Clearing Screw	1 2	DADTULY
3264N.	Hexagonal Asbestos Packing Rings	— 6	DADRIBY
3264X.	Back Nut	1 10	DADQUORN
3264Y.	Front Gland	1 10	DADCALM
3322A.	$\frac{1}{2}$ " Coupling Nut	— 4	BLATOPANT
3322C.	$\frac{1}{2}$ " Coupling Collar	— 2	BLEMATING
A.S.59	Gauge Protector Glass	3 0	DADFUP



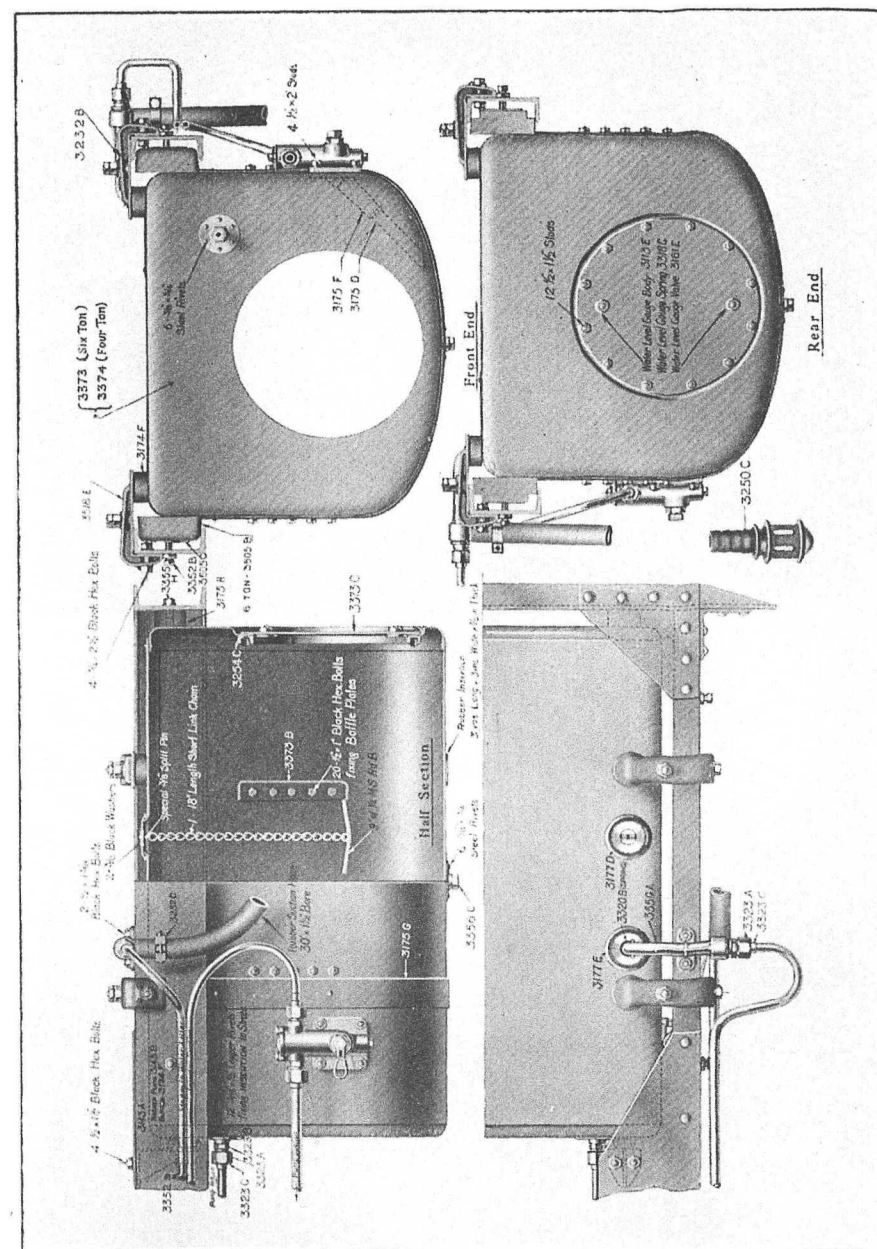
Injector

List No.				Price.	Code Word.
				s. d.	
3265A.	Injector complete	100	0	DAFBALY	
3265B.	Injector Body	41	8	DAFCENT	
3265C.	End Caps	3	4	DAFDIGER	
3265D.	Steam Cone	4	5	DAFGUZEL	
3265E.	Lift Tube	2	3	DAFHOPÉ	
3265F.	Sliding Cone	2	9	DAEJAMES	
3265G.	Delivery Cone	6	8	DAFKEPY	
3265H.	Check Valve	2	3	DAFLIMER	
3265J.	Check Valve Cap	2	9	DAFMOST	
3265K.	Stop Valve Hand Wheel	2	9	DAFMUGET	
3265L.	Stop Valve complete	16	8	DAFPANG	
3265M.	Stop Valve Stuffing Box	5	7	DAFREST	
3265N.	Stop Valve Gland Nut	2	9	DAFSIMON	
3265O.	Stop Valve Gland	—	8	DAFTOBY	
3265P.	Stop Valve Gland Washer	—	7	DAFVULT	
3265R.	Water Regulator Handle	3	4	DAFWAGY	
3265S.	Water Regulator Plug	6	8	DAFZOM	
3265T.	Water Regulator Plug Washer	1	8	DAGBEER	
3265V.	Overflow Pipe	2	9	DAGCAMER	
3273G.	$\frac{1}{2}$ " Copper Washer	—	1	DAGDOP	
3322G.	$\frac{3}{4}$ " Coupling Collar	—	4	BLESTABOM	
3322E.	$\frac{3}{4}$ " Coupling Nut	—	6	BLENDRACT	
3323A.	1" Coupling Nut	—	11	BESIDARAL	
3 323C.	1" Coupling Collar	—	5	BESPOTALO	



Water Tank, Water Lifter and Suction Hose

List No.		Price.	Code Word.
		s. d.	
3113E.	Water Level Gauge Body	1 3	DAGZONOL
3143A.	Tank Steady Bracket	4 4	DAGKIST
3143B.	Buffer Washer Plate	— 6	DAGLEG
3161E.	Water Level Gauge Valve	— 2	DAGMAR
3174E.	Tank Top and Front Buffers	1 2	DAGNEL
3175B.	Tank Rear Buffers	2 0	DAGPINK
3175D.	Tank Suction Pipe	3 4	DAGQUAFT
3175F.	Tank Suction Pipe Socket	12 0	DAGRONT
3175G.	Tank Straps, Ends and Nuts and Lining	21 0	DAGSUPER
A.S.60	Rubber Insertion for ditto	4 0	DAGTOFY
3177D.	Tank Filling Hole Cover and Chain	2 10	ABSESSIT
3177E.	Water Lifter Hole Covers	— 7	DAGWETEL
3232B.	Water Lifter Nozzle	5 0	DAGZAPOD
3232C.	Hose Pipe Clip	— 10	DAKABIB
3250C.	Hose Pipe Strainer complete	5 3	DAKACUF
3254C.	Manhole Stiffening Ring	18 0	DAKADOL
3318G.	Water Level Gauge Spring	— 2	DAKAFED
3320B.	Filling Hole Cover Spring	— 3	DAKAGAMP
3323A.	1" Coupling Nut	— 11	BESIDARAL
3323B.	1" Coupling Nipple	1 7	BETOKANGO
3323C.	1" Coupling Collar	— 5	BESPOTALO
3352B.	Tank Bracket Fixing Set Pins	1 0	DAKAHELD
3355H.	Tank Rear Buffer Pins	— 3	DAKAJILY
3356C.	3" Gas Drain Plug	— 6	ABLAZABLE
3373B.	Tank Baffle Plates	12 6	DAKAKARP
3373C.	Tank Manhole Door	10 0	DAKALORF
3505B.	Tank Adjusting Blocks	1 6	DAKAMUD
3505C.	Tank Adjusting Block Centres	1 11	DAKANIPON
3518E.	Tank Brackets	6 10	DAKAPOLY
3559A.	Water Lifter Body	6 0	DAKAQUEST
3373.	6 ton Tank complete with Manhole Door and Filling Covers	400 0	DAKARIFF
3374.	4 ton Tank complete with Manhole Door and Filling Covers	380 0	DAKASLIMY
A.S.61	Hose Pipe complete with Strainer	85 0	DAKATUPER

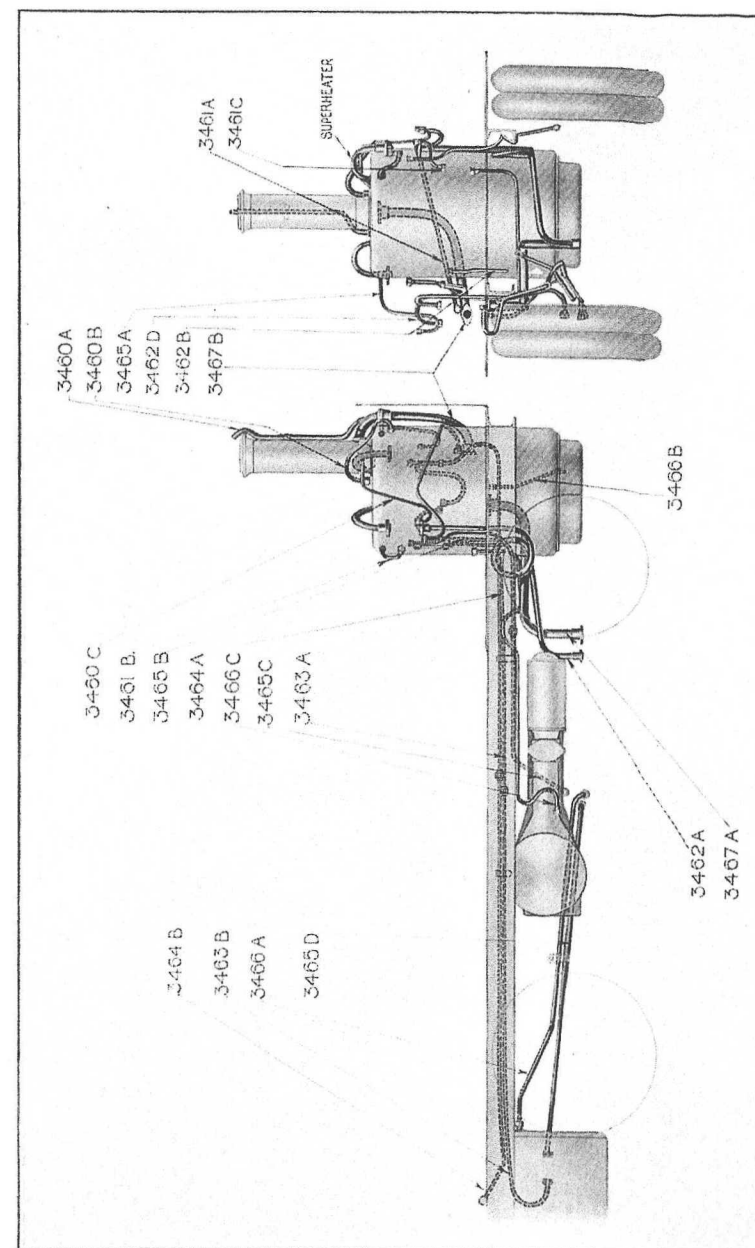


Piping For 6 Ton Waggon.

List No.		Price.	Code Word.
		s.	d.
3460A.	Safety Valve Discharge Pipe and Flange	24	6
3460B.	Cleaning Pipe	14	0
3460C.	Blower Pipe	31	0
3461A.	Release Pipe	25	0
3461B.	Auxiliary Valve Pipe	7	9
3461C.	Injector Steam Pipe	7	6
3462A.	Main Steam Pipe	41	0
3462B.	Water Gauge Drain Pipe	4	0
3462D.	Heater to Check Valve Pipe	14	0
3463A.	Injector Suction Pipe—No. 1	27	6
3463B.	Injector Suction Pipe—No. 2	33	0
3464A.	Water Lifter Pipe—No. 1	31	0
3464B.	Water Lifter Pipe—No. 2	34	0
3465A.	Pressure Gauge Pipe	6	8
3465B.	Pump Delivery Pipe—No. 1	19	0
3465C.	Pump Delivery Pipe—No. 2	19	0
3465D.	Pump Suction Pipe	36	0
3466A.	Pump Return Pipe	30	0
3466B.	Drain Pipe	6	0
3466C.	Oil Pipe	15	6
3467A.	Exhaust Pipe—Engine to Heater	55	0
3467B.	Exhaust Pipe—Heater to Funnel	47	6

Pipes Special to 3½ Ton Tipping Waggon

List No.	(not illustrated)	Price.	Code Word.
		s.	d.
3474C.	Injector Suction Pipe	25	0
3475A.	Fourway Cock to Top of Tipping Cylinder (Lower)	23	0
3475B.	Fourway Cock to Bottom of Tipping Cylinder (Lift)	25	0
3476A.	Return Pipe—Fourway Cock to Tank	15	0
3476B.	Steam Pipe—Boiler to Tipping Injector	28	0
3477A.	Water Lifter Pipe—Tank End No. 2	20	0
3477B.	Pump Suction Pipe	20	0
3478A.	Delivery Pipe—Tipping Injector to Fourway Cock	9	3



SPARE PARTS for SENTINEL STEAM WAGGONS

Front Axle and Steering Gear

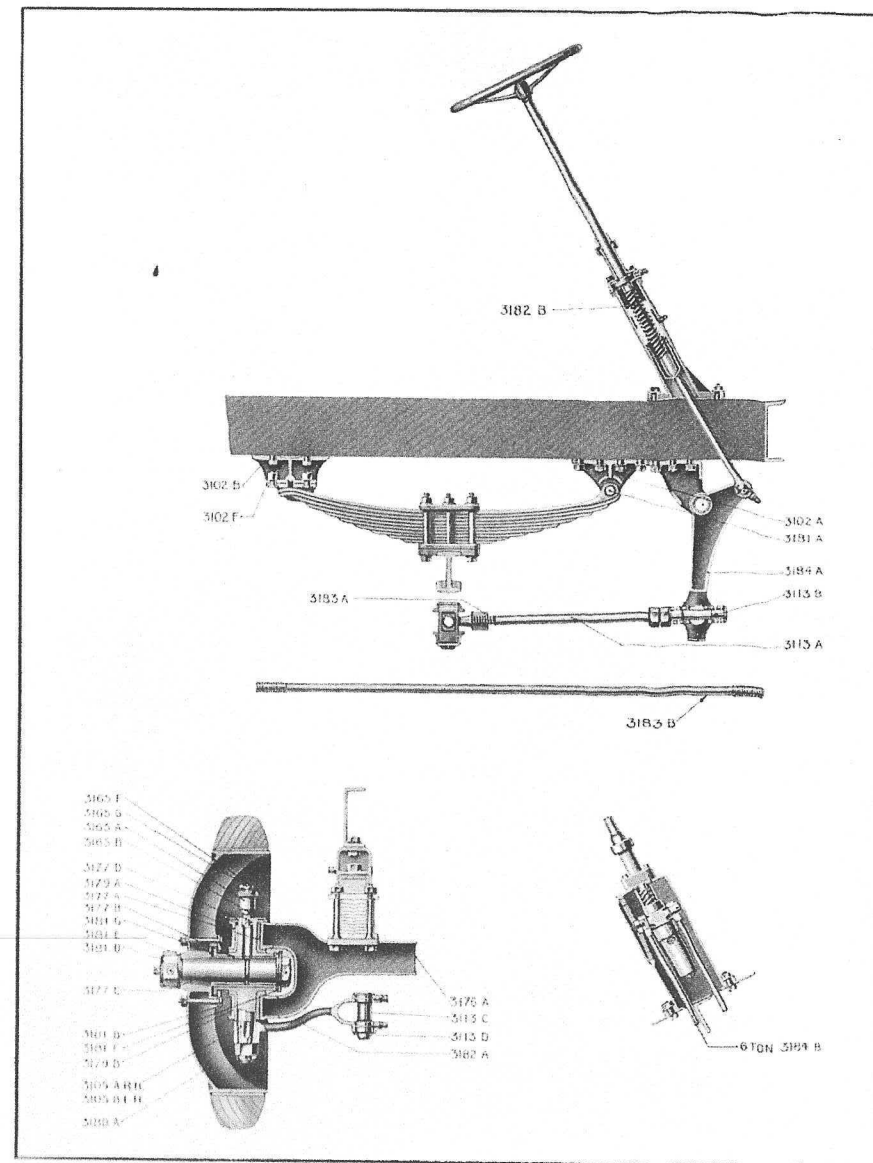
List No.		Price.	Code Word.
		s. d.	
3102A.	Front Spring Front Bracket	15 0	ACUMULAS
3102B.	Front Spring Rear Bracket	21 6	ACURATION
3102F.	Front Spring Plate	4 9	ACURSICAL
3105A.	Front Axle Pivot R.H.—Bushed	180 0	ACUSOTINO
3105B.	Front Axle Pivot L.H.—Bushed	160 0	ACUSTOMAR
3113A.	Steering Drag Link only	15 0	ACYMAGOT
3113B.	Steering Bellerank Pin and Washers	17 6	ACEFALIST
3113C.	Steering Lever Pin and Washers	20 0	ACERBACID
3113D.	Steering Lever Pin Washer	10 0	ACERICALI
3165A.	Grease Cup complete	7 6	ACETICOUR
3165B.	Grease Cup Plug	3 0	ACETIFACT
3165F.	Grease Cup Screw Nut	6 0	ACETOPAT
3165G.	Grease Cup Screw	4 0	ACETYLENT
3165C.	Grease Cup Top Washer (Not illustrated)	4 0	ACEHENRY
3165D.	Grease Cup Bottom Washer (Not illustrated)	1 0	ACETOMB
3165E.	Grease Cup Leather (Not illustrated)	6 0	ACEGALP
3176A.	Front Axle only	400 0	ACEJONK
3177A.	Pivot Bush	18 0	ACHARBELO
3177B.	Front Axle Journal Bush	30 0	ACHATICAN
3177C.	Front Axle Journal	50 0	ACHEPANTO
3177D.	Pivot Dust Guard	7 0	ACHITOFIT
3179A.	Front Axle Cap—Top	9 6	ACHROMANT
3179B.	Front Axle Cap—Bottom	9 0	ACICULART
3180A.	Front Wheel	190 0	ACIDABELT
3181A.	Front Spring Pin with Locking Plate	6 0	ACIERAGIS
3181B.	Front Wheel Collar	11 0	ACIFORMER
3181D.	Front Wheel Cap and	6 0	ACKNOWIST
3181E.	Rubber Band	1 3	ACLINICAL
3181F.	Front Axle Dust Ring	2 0	ACMETROME
3181G.	Front Axle Journal Ring	65 0	ACNETTLE
3182A.	Steering Lever	30 0	ACOLDERER
3182B.	Steering Nut	14 0	ACOLYTISH
3183A.	Steering Drag Link End or	10 0	ACONITICO
3183A.	Steering Coupling Rod End	9 0	ACYMUCLE
3183B.	Steering Coupling Rod (without Ends) behind Front Axle	100 0	ACORNACOT
3184B.	Steering Link R.H.—6 ton		ACREAGENT
3184A.	Steering Bell Crank—Bushed		

Front Spring Parts

(continued on page 36).

List No.		Price	Code Word.
		s. d.	
3330/69.	Front Spring Plate—Top	22 0	ACYMAZOD
3330/70.	Front Spring Plate—2nd	11 6	ACYMAYOR
3330/71.	Front Spring Plate—3rd	7 6	ACYMAWUF
3330/72.	Front Spring Plate—4th	7 6	ACYMAXTED
3330/73.	Front Spring Plate—5th	6 0	ACYMAVIN
3330/74.	Front Spring Plate—6th	5 9	ACYMATIG
3330/75.	Front Spring Plate—7th	5 6	ACYMASON
3330/76.	Front Spring Plate—8th	5 6	ACYMARIB
3330/77.	Front Spring Plate—9th	5 3	ACYMAQUEG
3330/78.	Front Spring Plate—10th	4 10	ACYMAPOSE
3330/79.	Front Spring Plate—11th	4 8	ACYMANOL
3330/80.	Front Spring Plate—Bottom	4 6	ACYMAJAM
3330/81.	Front Spring Anchor Plate—Top	6 0	ACYMARILZ

SPARE PARTS for SENTINEL STEAM WAGGONS



List No.	Front Spring Parts (concluded).	Price	Code Word
		s. d.	
3330/82.	Front Spring Anchor Plate—Bottom	6 0	ACYMAFLOP
3330/83.	Front Spring Anchor Plate Bolt and Nut	9 0	ACYMAFLUZ
3330/84.	Front Spring Shackle with Bolt and Nut	4 6	ACYMAFLD

SPARE PARTS for SENTINEL STEAM WAGGONS

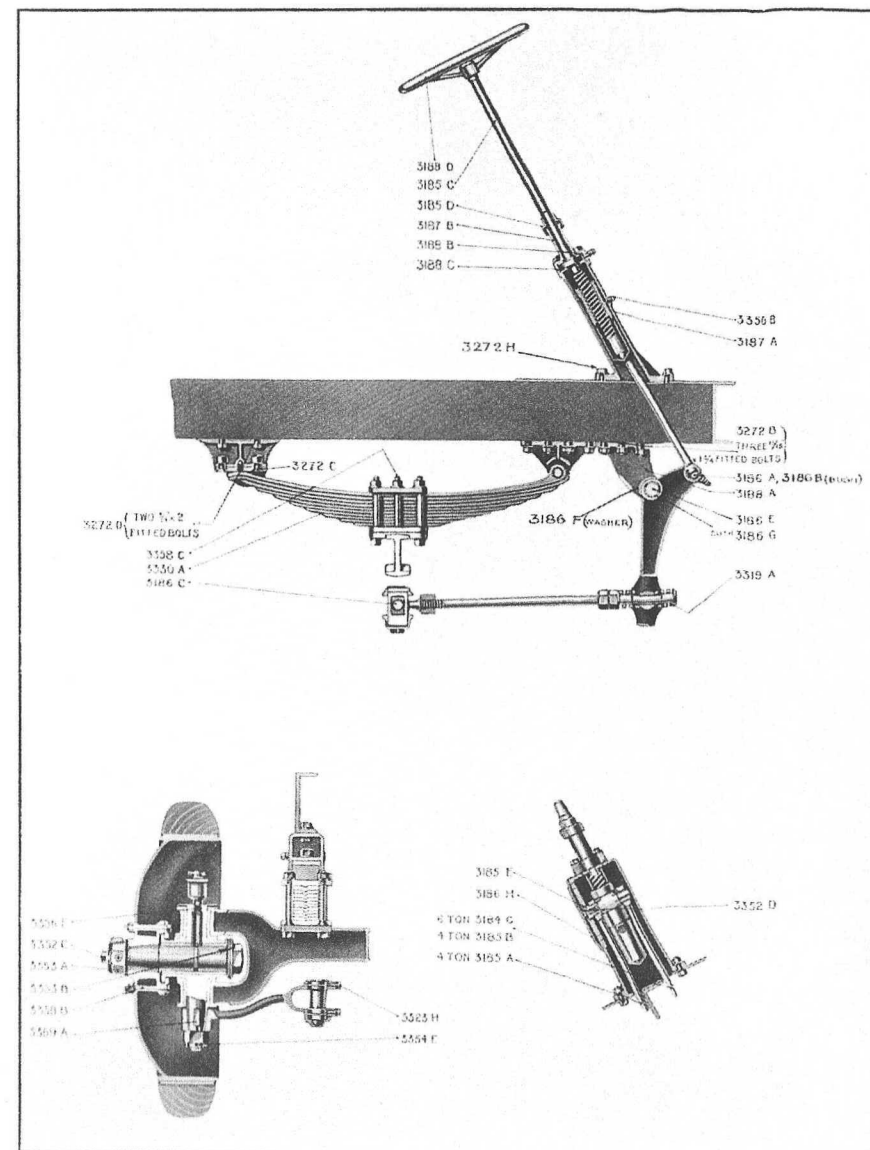
Front Axle and Steering Gear (continued)

List No.		Price.	Code Word.
3184C.	Steering Link L.H.—6 ton	9 0	ACOSMICAL
3185A.	Steering Link R.H.—4 ton	11 0	ACOTYLISM
3185B.	Steering Link L.H.—4 ton	11 0	ACOUSTAKA
3185C.	Steering Spindle and Nut	75 0	ACQUESTOR
3185D.	Steering Spindle Guide Cover	2 0	ACQUIRATE
3185E.	Steering Nut Guide Block	1 3	ACQUITABO
3186A.	Steering Link Pin	5 3	ACRIDMENT
3186B.	Steering Link Pin Bush	3 0	ACRIPUP
3186C.	Steering Joint Pin	4 3	ACRIMOPOR
3186E.	Steering Bracket Pin	7 3	ACRITTOCH
3186F.	Steering Bracket Pin Washer	— 6	ACRIZUNT
3186G.	Steering Bell Crank Bush	3 6	ACROBARTY
3186H.	Steering Column Door	1 4	ACROAMATE
3187A.	Steering Column—Studded	70 0	ACROGENIC
3187B.	Steering Spindle Guide	10 6	ACROLITHO
3188A.	Steering Bracket	21 0	ACRONYCAP
3188B.	Steering Spindle Collar—Top	3 4	ACROPASTA
3188C.	Steering Spindle Collar—Bottom	3 10	ACROSPION
3188D.	Steering Hand Wheel	39 0	ABDUCMENT
3272B.	$\frac{11}{16}$ " $\times$ $1\frac{3}{4}$ " Fitted Hex. Bolt and Nut	— 7	ACROSTABO
3272C.	$\frac{3}{4}$ " $\times$ 2" Fitted Bolt—Csk. Head and Nut	— 6	ACANTHOPI
3272D.	$\frac{3}{4}$ " $\times$ 2" Fitted Bolt—Hex. Head and Nut	— 9	ACUPRESTO
3272H.	$\frac{11}{16}$ " $\times$ $2\frac{1}{4}$ " Fitted Hex. Bolt and Nut	— 7	ACTAMARTY
3319A.	Steering Lever Spring	1 3	ACTELOPY
3323H.	Grease Nipple	— 7	ACTINIANT
3330A.	Front Axle Spring (for single plates see page 34)	72 3	ABKARILON
3352C.	Front Wheel Cap Set Screw	— 3	ACTINOFUT
3352D.	$\frac{1}{2}$ " $\times$ 1" Set Screw	— 3	ACTIMOMER
3353A.	Front Axle Journal Nut	7 0	ACTINOZIP
3353B.	Front Axle Journal Lock Nut	9 0	ACTIONAPT
3354E.	Front Axle Pivot Nut	1 8	ACTIVEBEL
3356B.	$\frac{1}{2}$ " Gas Plug	— 3	ACTONARTO
3356F.	Pivot Plug	— 10	ACTUALIST
3358B.	Front Wheel Collar Bolt and Nut	1 0	ACULEANDO
3358C.	Front Spring Buckle Bolt and Nut	1 3	ACUMENAPT
3369A.	Front Axle Pivot Feather	2 3	ACUMIRAGE

Assembled Parts

List No.		Price.	Code Word.
A.S.62	Front Axle with Caps and Bolts	450 0	ACHANICO
" 63	Front Axle with caps and bolts and Pivot Bushes	540 0	ACYLAFY
" 64	R.H. Front Axle Pivot, bushed and fitted with steering Lever	245 0	ACYLUGPOT
" 65	Front Wheel with Front Axle Journal 2 Nuts and Split Pins	250 0	ACYLIMHOF
3183B.	Steering Coupling Rod and Ends Complete	45 0	ACOPIRON

SPARE PARTS for SENTINEL STEAM WAGGONS

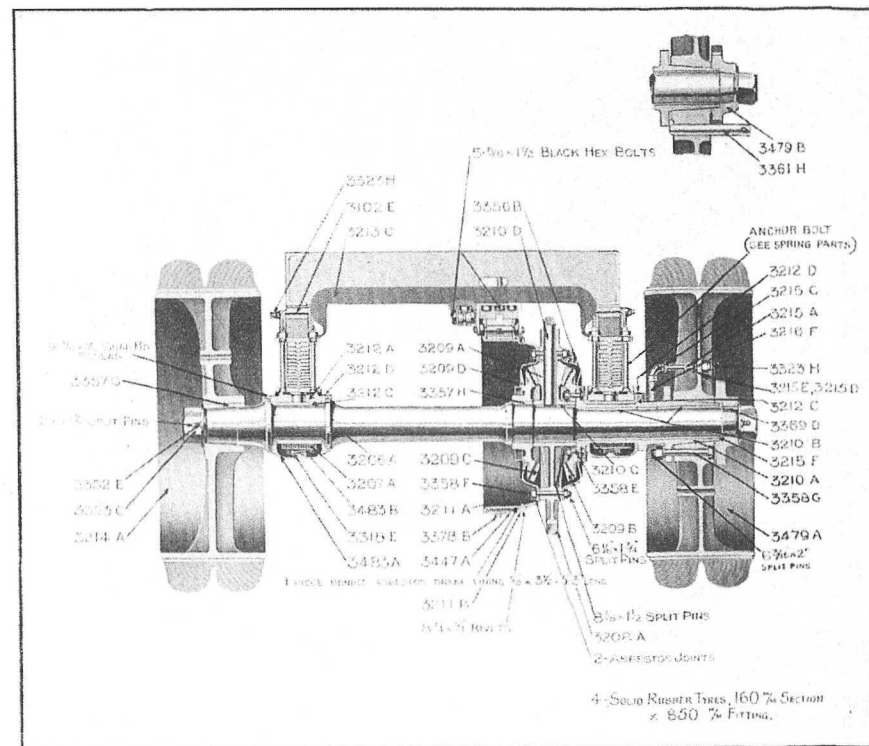


Assembled Parts (continued)

List No.		Price.	Code Word.
A.S.66	Steering Bellcrank Bushed and fitted with Pin and Nipples	120 0	ACYMABEL
3113.	Steering Drag Link fitted complete	37 6	ACELADAMP
A.S.67	Steering Column fitted complete	310 0	ACYMANSY
" 68	Front Axle Journal, 2 Nuts and Split Pins	70 0	ACYMAPIE

Rear Axle for 6 Ton Waggon

List No.		s.	d.	Code Word.
3206A.	Rear Axle only	600	0	ADJACTURP
1722.	Rear Axle previous to Waggon No. 610 (not illustrated)	650	0	ADKALIF
3207A.	Rear Axle Oil pad only	1	0	ADAGIOBAR
3207B.	Rear Axle Oil Pad complete	3	0	ADAMANTAL
3208A.	Chain Wheel—33 teeth—bushed (From Waggon No. 580 onwards)	320	0	ADJOINADO
1873.	Chain Wheel (Previous to Waggon No. 464) (not illustrated)	400	0	ADSPILIG
1922.	Chain Wheel on Waggon Nos. 464 to 580) (not illustrated)	325	0	ADSOLF
3209A.	Diff. Bevel Pinion	40	0	ADAMICULT
3209B.	Diff. Bevel Wheel—R.H.	100	0	ADANSORTO
3209C.	Diff. Bevel Wheel—L.H.	102	6	ADJOURNAL
3209D.	Diff. Bevel Wheel Cover—R.H. with Boss	20	0	ADAPTITOR
A.S.85	Diff. Bevel Wheel Cover—L.H.	17	0	ADONITIS
3210A.	Rear Axle Sleeve and 2 Bushes	352	6	ADJUDGORT
1756.	Rear Axle Sleeve previous to Waggon No. 687 (not illustrated)	390	0	ADONOPY
3210B.	Rear Axle Sleeve Bush	24	0	ADJUNCTOP
3210C.	Chain Wheel Bush	26	6	ADJURATON
3210D.	Diff. Bevel Pinion Pin	10	6	BABADAMPO
3211A.	Brake Drum and	60	0	ADARISMAT
3211B.	Brake Drum Ring Complete			
3212A.	Rear Axle Box—top half studded at one end	43	0	ADAYSIPEL
3212C.	Rear Axle Bush with one Mudguard	52	6	ADDAXABIN
3212C.	Rear Axle Bush with two Mudguards	55	6	ADOMANOR
3212D.	Rear Axle Bush Mudguard only	2	3	ADOTANGY
3213C.	Brake Bridge	25	0	ADDEEMWAR
3214A.	Left Hand Rear Wheel	420	0	BABBALOTO
3215A.	Lubricator Pipe—long	1	2	ADDENDIRO
3215C.	L.e. Bas Female Bend	—	7	ADDICTROP
3215F.	Rear Axle Thrust Ring	4	0	BABOUMENT
3216F.	Lubricator Pipe—short	1	1	ADOTLOP
3318E.	Rear Axle Oil Pad Spring	—	3	ADDORSALT
3323H.	Rear Axle Grease Nipple	—	7	ADOTIMKIM
3352E.	Rear Axle Nut Set Pin	—	3	BACCAROTI
3353C.	Rear Axle Nut	12	0	BACCATISM
3356B.	1/2" Gas Plug	—	3	ACTONARTO
3357G.	Feather for L.H. Rear Wheel	1	6	ADDULCAPO
3357H.	Feather for Diff. Bevel Wheel	1	0	ADELFOSTAK
3358E.	Diff. Bevel Wheel Bolt and Nut	1	1	ADENITANK
3358F.	Brake Drum Bolt and Nut	1	8	ADENONABO
3358G.	Rear Wheel Hub Bolt and Nut	2	6	BACCVFORM
3361H.	Locking Disc Pin	2	8	ADOTAMAR
3369D.	Feather for Locking Disc	1	6	ADOTAFROG
3378B.	Brake Lining Screw, Nut and Washer	—	3	ADOPTULIP
3447A.	Brake Band complete with Lining	110	0	ACCEPTEL
3447.	Brake Band Lining only	79	6	ADJACONAR
A.S.86	Brake Band only	9	0	ADOTOROR



Rear Axle for 6 Ton Waggon (continued)

List No.		s.	d.	Code Word.
3479A.	R.H. Rear Wheel	440	0	ADOTANI
3479B.	Locking Disc	45	0	ADOTRUMP
3483A.	Rear Axle Box—Bottom Half	27	6	ADOTIFY
3483B.	Rear Axle Oil Pad Tray	—	11	ADOTUZOL
3215D.	Rear Axle Sleeve Lubricator Lock Nut	—	2	ADOTUBEL
3215E.	Rear Axle Sleeve Lubricator Special Coupling Nut	—	6	ADOTILOF
3102E.	Rear Spring Plate	6	3	ADOPLINY

SPARE PARTS for SENTINEL STEAM WAGGONS

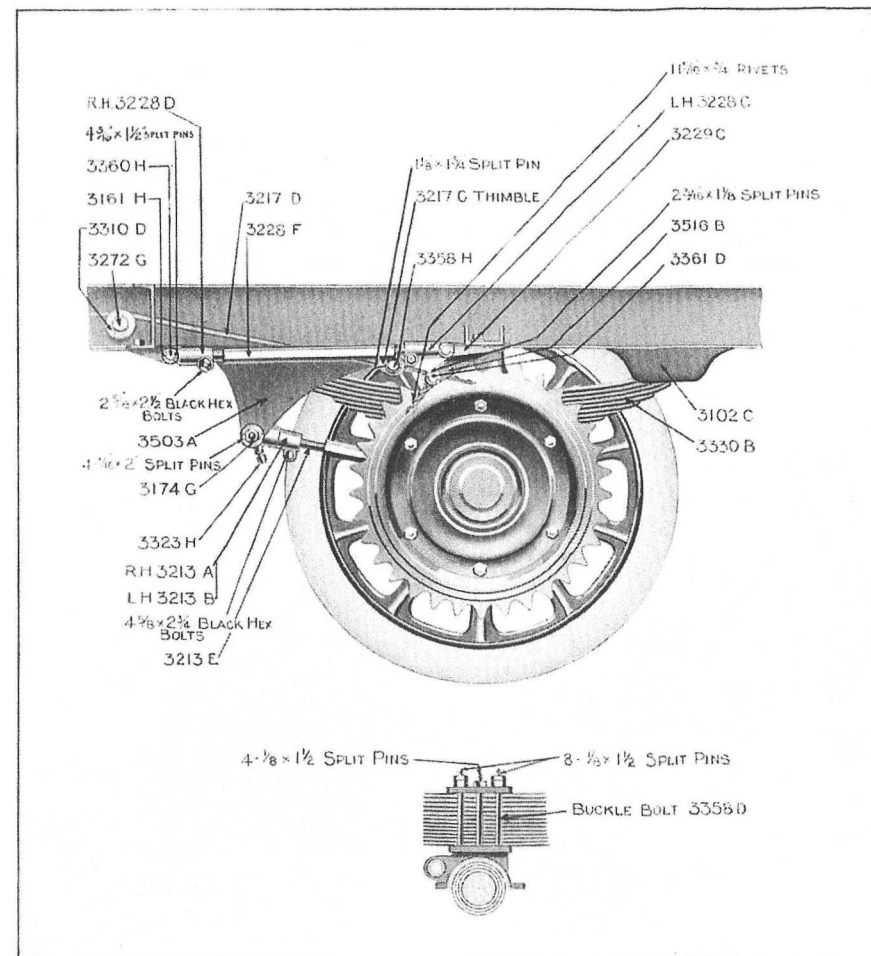
Rear Axle for 6 Ton Waggon (continued)

List No.		Price.	Code Word.
3358D.	Rear Spring Buckle Bolt and Nut ..	1 7	ADOPALIM
3330/220	Rear Spring Anchor Plate Bolt & Nut	1 0	ADOPANSY
3330/87	Rear Spring Plate—Top ..	10 6	ADOPLUVER
3330/88	Rear Spring Plate—2nd ..	10 6	ADOPIZOT
3330/89	Rear Spring Plate—3rd ..	9 9	ADOPARSON
3330/90	Rear Spring Plate—4th ..	9 6	ADOMUCAL
3330/91	Rear Spring Plate—5th ..	7 6	ADOTEME
3330/92	Rear Spring Plate—6th ..	7 0	ADOTRICK
3330/93	Rear Spring Plate—7th ..	6 6	ADOTOGAN
3330/94	Rear Spring Plate—8th ..	6 6	ADOTINA
3330/95	Rear Spring Plate—9th ..	5 9	ADOTOPEL
3330/96	Rear Spring Plate—10th ..	5 0	ADOTOZED
3330/97	Rear Spring Plate—11th ..	4 9	ADOTOMUG
3330/98	Rear Spring Plate—12th ..	4 6	ADOTONIP
3330/99	Rear Spring Plate—Bottom ..	4 4	ADOTOGID
3330/100	Rear Spring Anchor Plate—Top ..	5 6	ADOTOGUF
3330/101	Rear Spring Anchor Plate—Bottom	5 6	ADOTAMEP
3330B.	Rear Spring complete ..	89 0	ADOFUMP
3102C.	Rear Spring Rear Bracket ..	18 6	ADOTAGON
3161H.	Brake Radius Rod Bracket—Front	2 10	ADOPOFEN
3174G.	Radius Bar Bolt and Nuts ..	6 3	ABORDAMOT
3213A.	Radius Bar Socket—R.H. ..	10 6	ABHOMINTS
3213B.	Radius Bar Socket—L.H. ..	10 6	ABIBITISH
3213E.	Radius Bar ..	8 6	ABIDANCES
3217C.	Brake Rope Thimble ..	— 3	COLEOPTIC
3217D.	Brake Drag Rope and Thimbles ..	9 6	ABUNDORPE
3228C.	Brake Radius Rod Socket—L.H. ..	7 6	ADOZUMPE
3228D.	Brake Radius Rod Socket—R.H. ..	7 6	ADORAMY
3228F.	Brake Radius Rod ..	9 0	ACACIATRO
3229C.	Brake Radius Rod Bracket—Rear ..	2 6	ACADEMIST
3272G.	Brake Rope Pulley Pin ..	— 8	ADORALIM
3310D.	Brake Rope Pulley ..	1 7	ADORINSOP
3323H.	Grease Nipple ..	— 7	ACTINIAN
3358H.	Brake Band Bolt and Nut ..	1 7	ACCEDINGO
3360H.	Brake Radius Rod Bracket Pin ..	— 6	ADORAZOG
3361D.	Anchor Bracket Pin ..	— 9	ADEPACTOR
3503A.	Radius Bar Bracket ..	45 0	ADORINSE
3516B.	Brake Anchor Bracket ..	19 6	ADORUMP

Assembled Parts

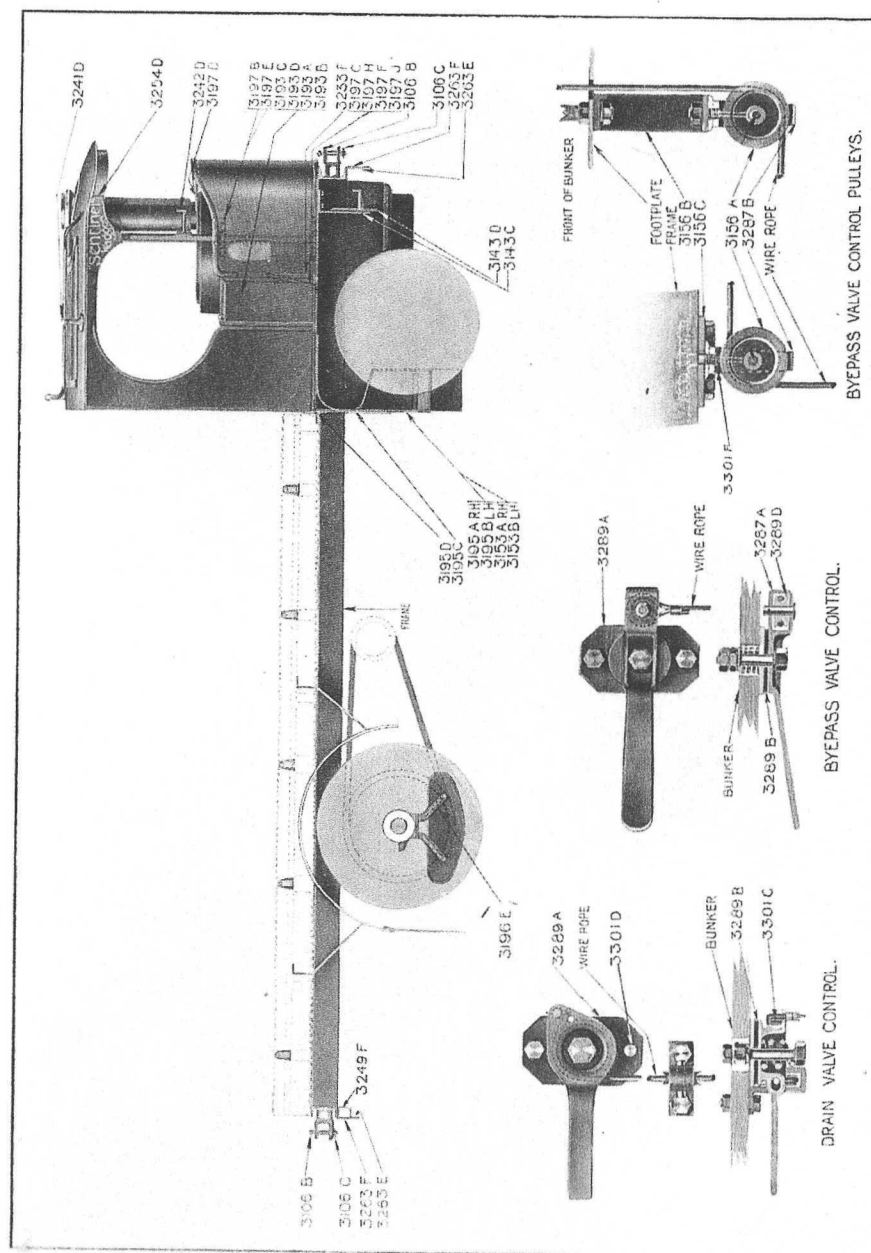
List No.		Price.	Code Word.
A.S. 222	Chain Wheel Bushed and fitted with Diff. Pinions and Pins ..	489 0	ADOPLEX
" 223	Rear Axle with L.H. Diff. Bevel Wheel Nuts and Feathers ..	790 0	ADOPUMP
" 224	Rear Axle Lubricator complete ..	4 6	ADOPUZEL
" 225	Brake Anchor Bracket and Pin ..	22 0	ADOPLUKT
" 226	Rear Axle with Nuts and Feathers ..	670 0	ADOPENOT
" 227	Radius Rod fitted complete ..	34 0	ADOPAXAM

SPARE PARTS for SENTINEL STEAM WAGGONS



Chassis Parts

List No.		Price.	Code Word.
3106B.	Drawbar Pin with Chain and Hook	6 0	ABACTORIT
3106C.	Drawbar Pin Cotter	3	ABACISCUS
3143D.	Lamp Guard	2 10	ABYLION
3143C.	Lamp Bracket Support	3 0	ABYCASIL
3153A.	Front Mudguard R.H. (3½ and 4 ton) with Flap and Supports	25 0	ABYRAMY
3153B.	Front Mudguard L.H. (3½ and 4 ton) with Flap and Supports	25 0	ABYRUNCE
3156A.	Bypass Valve Control Pulley	1 0	ABYRAZOR
3156B.	Bypass Valve Pulley Bracket Support	2 8	ABYSILUP
3156C.	Bypass Valve Pulley Bracket Support Plate	1 5	ABYROLTED
3193A.	Cab Door R.H. 3½ and 4 ton	22 0	ABSINDONT
3193B.	Cab Door L.H.	22 0	ABSKONDOR
3193C.	Cab Door R.H. 5 and 6 ton	22 0	ABSOLUTAT
3193D.	Cab Door L.H.	22 0	ABSONANTO
3195A.	Front Mudguard R.H. (5 and 6 ton) with Flap and Supports	25 0	ABERDIVIN
3195B.	Front Mudguard L.H. (5 and 6 ton) with Flap and Supports	25 0	ABERRATE
3195C.	Front Mudguard Supports	2 2	ABYROUGH
3195D.	Front Mudguard Support Bracket	2 0	ABYRAGAB
3196E.	Chain Mudguard Washer Plate 6 ton	10	ABYRALIM
3197B.	Canopy Leg Bracket 5 and 6 ton	1 2	ABSTEMITO
3197C.	Cab Stay R.H. 5 and 6 ton	4 6	ABYRINSOP
3197D.	Apron Plate Front Stay	10	ABSTERSON
3197E.	Canopy Leg Bracket 3½ and 4 ton	1 2	ABSTRACTI
3197F.	Cab Stay R.H. 3½ and 4 ton	4 4	ABYPUZEL
3197H.	Cab Stay L.H. 5 and 6 ton	4 6	ABSURDABO
3197J.	Cab Stay L.H. 3½ and 4 ton	4 4	ABSTRUSO
3233F.	Cab Door Hinges	5	ABYPLUKT
3241D.	Coke Rail Bracket	1 3	ABINESTAT
3242D.	Front Lamp Bracket	1 8	
3249F.	Tail Lamp Bracket 4 and 6 ton	3 0	ABIOGENET
3254D.	Canopy Name Plate	7 0	ABYPENOT
3263E.	Number Plate Support	6	ABJECTINT
3263F.	Number Plate and Supports	3 8	ABJUDGE
3287A.	Bypass Valve Control Handle	1 5	ACARUSINE
3287B.	Bypass Valve Pulley Bracket	1 4	ABYPAXAM
3289A.	Drain Gear Control Bracket	1 2	ABYPLUVER
3289B.	Drain Gear Friction Washer	5	ABYPIZOT
3289D.	Control Handle Pulley	6	ACATALECT
3301C.	Wire Rope Clamp	3	ABYPARSON
3301D.	Control Lever Stop	6	ABYPANSY
3301F.	Drain Gear Pulley Hanger	11	ABYTUBEL
A.S.102.	Lamp Guard, Support and Bracket, fitted	8 8	ABYTIFY
103.	6 ton—R. and L.H. Side Channel	140 0	ABYDINFOR
104.	4 ton—R. and L.H. Side Channel	65 0	ABYDELGUR



SPARE PARTS for SENTINEL STEAM WAGGONS

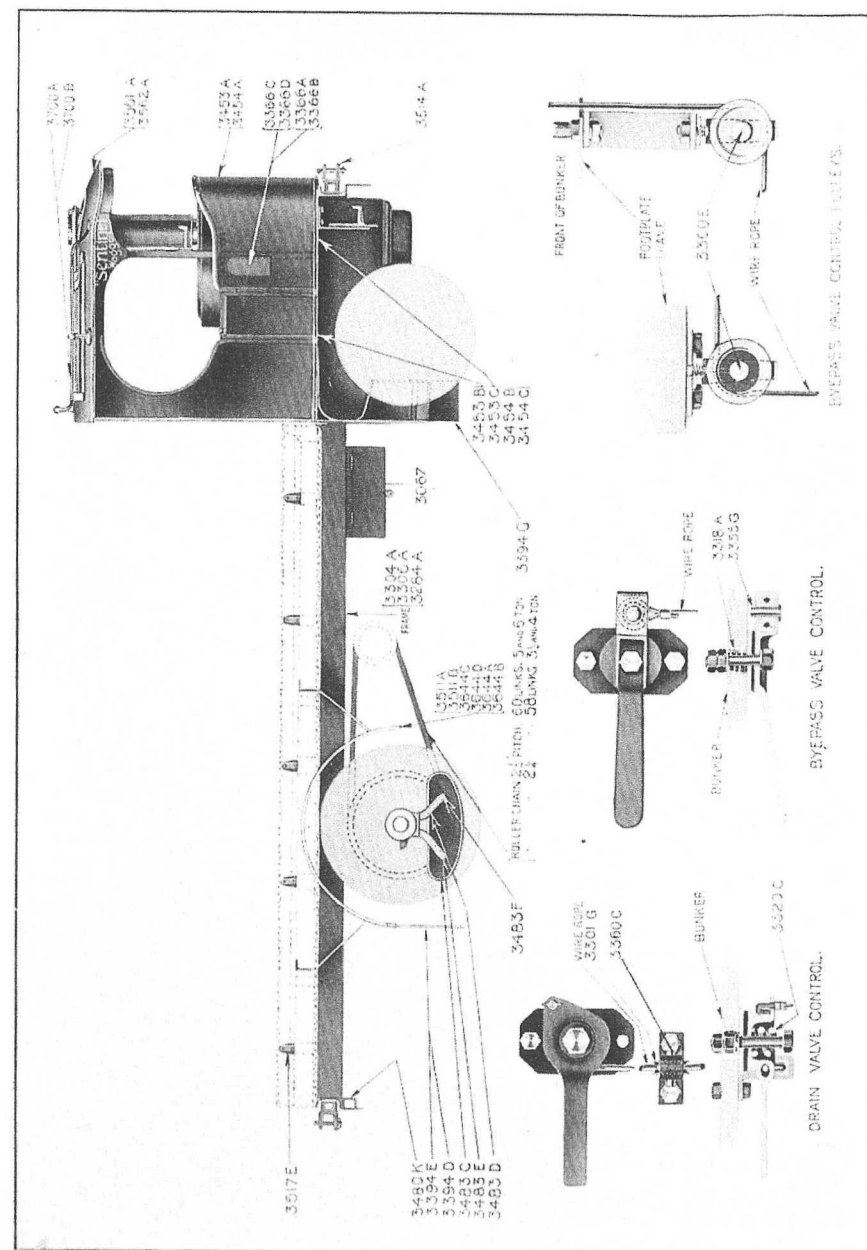
Chassis Parts (continued).

List No.		Price.		Code Word.
		s.	d.	
3301G.	Drain Gear Pulley	—	4	ABYTUZOL
3318A.	Bypass Valve Control Spring	—	4	ABYTILOF
3320C.	Drain Gear Lever Spring	—	4	ABYPLEX
3355G.	Control Handle Pulley Pin	—	2	ABYPUMP
3360C.	Drain Gear Pulley Pin	—	2	ABYPLINY
3360E.	Bypass Pulley Pin	—	3	ABYHUMP
3394D.	Rear Mudguard Flaps—4 ton	5	0	ABYJONT
3394E.	Rear Mudguard Flaps—6 ton	5	0	ABYKIST
3394G.	Front Mudguards Flaps	5	6	ABYLEG
3453A.	Apron Plate 5 and 6 ton (No doors)	165	0	ABYMAP
3453B.	Front Footplate 5 and 6 ton	45	0	ABYMEL
3453C.	Rear Footplate 5 and 6 ton	75	0	ABYPINK
3454A.	Apron Plate 3½ and 4 ton (No Doors)	165	0	ABYQUOFT
A.S.105	Apron Plate 5 and 6 ton with doors fitted	230	0	ABYRONT
.. 106	Apron Plate 3½ and 4 ton with doors fitted	230	0	ABYSUPER
3454B.	Front Footplate 3½ and 4 ton	42	6	ABYTOFY
3454C.	Rear Footplate 3½ and 4 ton	66	0	ABYVINT
3480K.	Tail Lamp Bracket 3½ and 5 ton	2	10	ABYWETEL
3483C.	Chain Mudguard, complete with Stays and Washer Plate	17	0	ABYZOPOD
3483D.	Chain Mudguard Stay, R.H.	1	8	ABYKEABIH
3483E.	Chain Mudguard Stay, L.H.	1	8	ABYKACUF
3483F.	Chain Mudguard Washer Plate 4 ton	—	9	ABYKADOZ
3511A	Rear Mudguard 4 ton and Flap and Support	32	6	ABYKAFED
3511B	Rear Mudguard 6 ton and Flap and Support	31	6	ABYKAGAMP
3514A.	Drawbar Bracket	22	6	ABYKAHELD
3517E.	Side Rail Supports	2	2	ABYKAJILY
3561A.	Bunker and Canopy 5 and 6 ton	800	0	ABYKAKARP
3562A.	Bunker and Canopy 3½ and 4 ton	780	0	ABYKALOAF
3644A.	Rear Mudguard 5 ton, R.H.	32	6	ABYKAMUG
3644B.	Rear Mudguard 5 ton, L.H.	32	6	ABYNIPON
3644C.	Rear Mudguard 3½ ton, R.H.	30	0	ABYPOLLY
3644D.	Rear Mudguard 3½ ton, L.H.	30	0	ABYQUEST
3700A.	Coke Rail 5 and 6 ton	24	0	ABYRIFT
3700B.	Coke Rail 3½ and 4 ton	24	0	ABYSLIM
A.S.107	Canopy Leg	10	6	ABYTUPER
3067	Tool Box complete 4 and 6 ton	33	0	ABYJINKA
3247G.	Tool Box—complete (5 ton), not illus.	20	0	ELIXIFOGU
3247G.	Tool Box—complete (3½ ton)	20	0	ELIXOGUJA
3366A.	Nameplates 3½ ton	5	10	ENTMUGET
3366B.	Nameplates 5 ton	5	10	ENTPANGO
3366C.	Nameplates, 4 ton	5	10	ABYPENDUM
3366D.	Nameplates, 6 ton	5	10	ABYPROPER
A.S. 228	Coke Rail and Brackets	30	6	ENTLILONT

Frames

List No.		Price.		Code Word.
		s.	d.	
3304A.	4 ton—9' 9" Wheel Base	580	0	ACATERACA
3284A.	6 ton—10' 4½" Wheel Base	800	0	ACARPUSTO
3306A.	8 ton—12' 10½" Wheel Base	900	0	ABYDATEN

SPARE PARTS for SENTINEL STEAM WAGGONS



SPARE PARTS for SENTINEL STEAM WAGGONS

Brake Gear

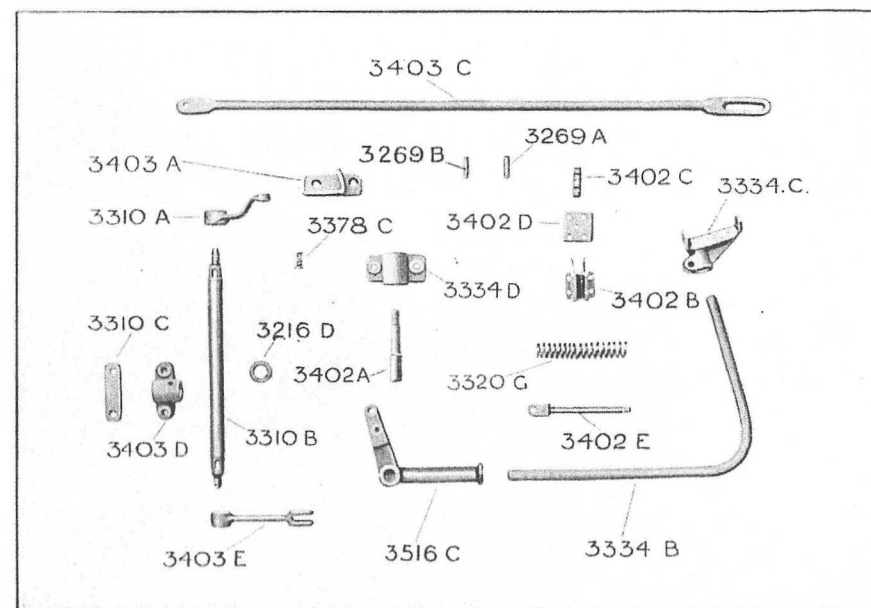
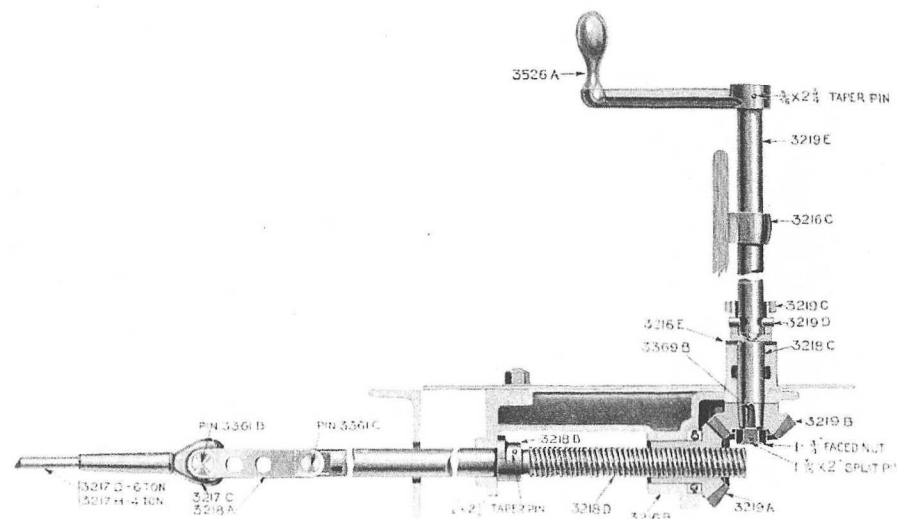
(Standard for all Waggon).

List No.		Price.	Code Word.
3216C.	Brake Spindle Steady	2 4	COLCANNON
3216E.	Brake Mitre Wheel Spindle Washer	— 3	COLCOTHAR
3216B.	Brake Gear Bracket	27 6	COLDABANG
3217C.	Brake Rope Thimble	— 3	COLEOPTIC
3217D.	Brake Drag Rope—6 ton	8 10	ABUNDORPE
3217H.	Brake Drag Rope—4 ton	8 6	ABUSIVITA
3218A.	Brake Link	1 8	COLINORAN
3218B.	Brake Screw Stop	1 4	COLISEUMT
3218C.	Brake Mitre Wheel Spindle	8 0	COLLABORD
3218D.	Brake Screw	19 0	COLLAPSIC
3219A.	Brake Mitre Wheel and Nut	26 0	COLLARDED
3219B.	Brake Mitre Wheel	9 6	COLLUVIET
3219C.	Brake Mitre Wheel Spindle Nut	2 0	COLLYRIET
3219D.	Brake Handle Spindle Cross Pin	— 2	COLOCINTA
3219E.	Brake Handle Spindle	6 0	COLOGNEMO
3361B.	Link Thimble Joint Pin	— 4	COLOPANGO
3361C.	Link Screw Joint Pin	— 4	COLOSSUST
3369B.	Brake Mitre Wheel Spindle Feather	— 6	COLPORTAN
3526A.	Brake Handle	10 6	DALMASON
A.S.108	Hoffman "W2" Ball Thrust Washer	15 0	DALMARIB
" 109	Brake Gear Bracket, fitted complete	129 0	DALMAQUEG
" 110	Brake Handle, fitted complete	22 6	DALMAPOSE
" 110	Brake Links and Pins fitted	4 10	DALMANOL

Foot Brake for 4 Ton Waggon

List No.		Price.	Code Word.
3216D.	Cross Shaft Distance Piece	1 0	EMYTIFY
3269A.	Knuckle Joint Pin	— 3	EMYTUZOL
3269B.	Knuckle Joint Pin	— 3	EMYTUBEL
3310A.	Rope Anchor Lever	7 0	EMYTILOF
3310B.	Cross Shaft	9 0	EMYPANTY
3310C.	Cross Shaft Packing Plate	— 11	EMYPLIMY
3320G.	Pedal Return Spring	1 2	EMYPLEX
3334B.	Foot Lever	4 8	EMYPUMPY
3334C.	Foot Lever Palm	5 10	EMYPUZEL
3334D.	Fulcrum Pin Bracket	5 9	EMYPLUKT
3378C.	Spring and Foot Lever Stop Bolt	— 6	EMYPENOT
3402B.	Rope Clasp	3 8	EMYPANAM
3402C.	Rope Clasp Block	— 8	EMYPALIM
3402D.	Rope Clasp Plate	— 7	EMYPLUVER
3402E.	Pedal Return Spring Rod	4 10	EMYPEZOT
3403A.	Spring and Foot Lever Stop	2 6	EMYPARTON
3403C.	Brake Rod	16 3	EMYZILOM
3403D.	Cross Shaft Bracket	4 0	EMYZIGON
3403E.	Compensating Lever	6 4	EMYZUMP
3516C.	Foot Lever End	17 6	EMYRAMY
3402A.	Foot Lever Fulcrum Pin	2 6	EMYROUG

SPARE PARTS for SENTINEL STEAM WAGGONS

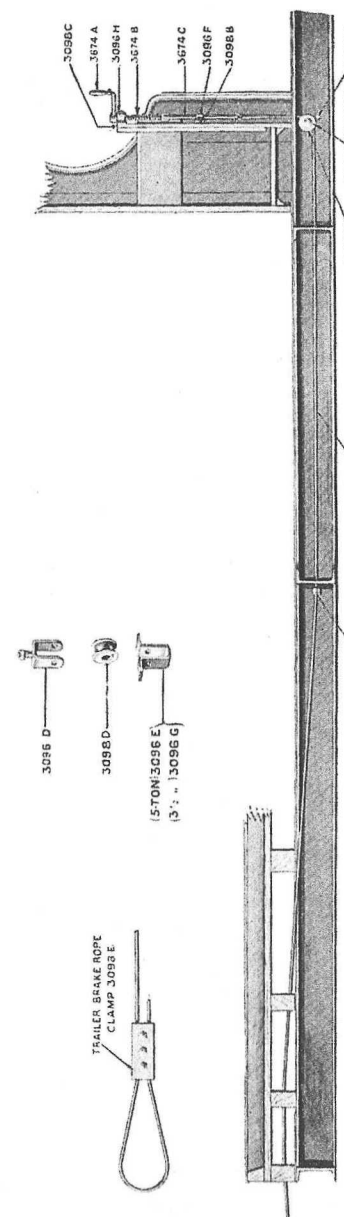


Trailer Brake Gear

List No.		Price.	Code Word.
3096A.	Trailer Brake Rope Pulley Pin ..	s. —	d. 10
3096B.	Trailer Brake Rope End Guide Pin ..	—	3
3096C.	Trailer Brake Rope Pulley	1	0
3096H.	Trailer Brake Spindle Steady	2	0
3096F.	Trailer Brake Stirrup Guide	1	0
3097D.	Trailer Brake Rope and Eye	15	0
3098B.	Trailer Brake Packing Piece (Oak) ..	2	0
3098C.	Trailer Brake Gear Support (Oak) ..	6	6
3098E.	Trailer Brake Rope Clamp	7	0
3098F.	Trailer Brake Rope Eye Bolt and Nut	1	8
3674A.	Trailer Brake Handle	3	10
3674B.	Trailer Brake Screw	5	10
3674C.	Trailer Brake Nut and Stirrup	4	0
A.S. 112	Trailer Brake complete for Standard Waggon	52	6

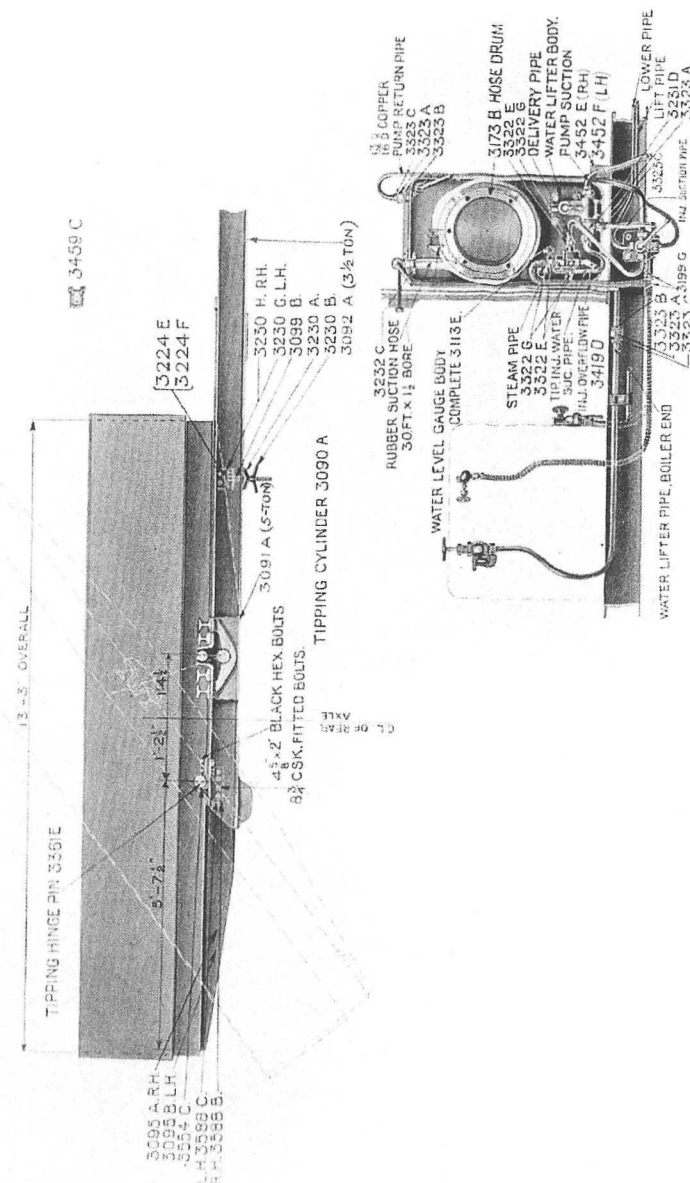
Extra Parts for Tipping Waggon

List No.		Price	Code Word.
		s.	d.
3096D.	Trailer Brake Rope Pulley Hanger..	13	6
3096E.	Trailer Brake Rope Pulley Bracket		
	(5 ton)	3	0
3096G.	Trailer Brake Rope Pulley Bracket		
	(3½ ton)	3	0
3098D.	Trailer Brake Rope Pulley	1	0
A.S. 113	Trailer Brake complete for 3½ ton		
	Tipper	75	0
„ 114	Trailer Brake complete for 5 ton		
	Tipper	75	0
„ 115	Trailer Brake Rope Pulley, Hanger		
	and Bracket fitted	24	0



Parts Special to Tipping Waggon

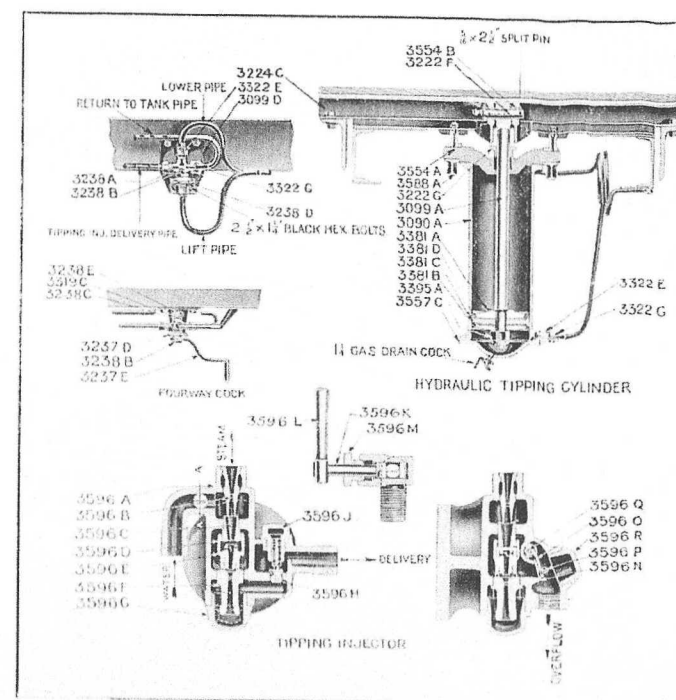
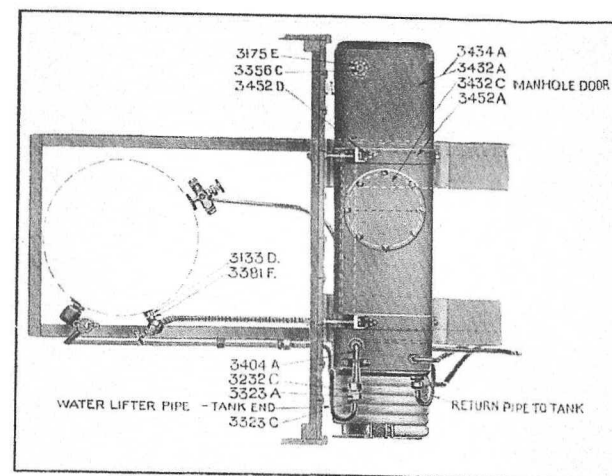
List No.		Price.	Code Word.
		s.	d.
3095A.	Longitudinal Bearer—R.H. ..	155	0
3091A.	5 ton Frame, 10'-4½" wheelbase ..	800	0
3092A.	3½ ton Frame, 9'-9" wheelbase ..	600	0
3095B.	Longitudinal Bearer—L.H. ..	155	0
3099B.	Stirrup Bolt	3	8
3173B.	Tipping Tank Hose Drum	39	0
3199G.	Injector Suction Pipe Clip	1	0
3224E.	Body Fixing Angles, R.H.	4	10
3224F.	Body Fixing Angles, L.H.	4	10
3230A.	Tipping Body Fixing Brackets ..	4	0
3230B.	Double Ended Lever Nuts	4	0
3230G.	Tipping Body Fixing Stirrup—L.H.	4	0
3230H.	Tipping Body Fixing Stirrup—R.H.	4	0
3231D.	Water Filter connection	13	8
3232C.	Suction Hose Pipe Clip	—	10
3263F.	Rear Number Plate (not illustrated)	3	0
3322E.	¾" Coupling Nut	—	6
3322G.	¾" Coupling Collar	—	4
3323A.	1" Coupling Nut	—	11
3323B.	1" Coupling Nipple	1	7
3323C.	1" Coupling Collar	—	5
3361E.	Tipping Hinge Pins	2	11
3419D.	Pump Delivery Pipe Clip	—	10
3459C.	Brake Radius Rod Bracket	2	9
3554C.	Tipping Hinge Brackets	19	0
3588B.	Tipping Hinge—R.H.	28	0
3588C.	Tipping Hinge—L.H.	28	0
3452E.	Tank Carrying Block—R.H. ..	18	6
3452F.	Tank Carrying Block—L.H. ..	18	6
A.S.116	R. and L.H. Side Channels—5 ton ..	132	6
„ 117	R. and L.H. Side Channels—3½ ton	65	0



SPARE PARTS for SENTINEL STEAM WAGGONS

Parts Special to Tipping Waggon—*continued.*

List No.		Price.	Code Word.
3090A.	Tipping Cylinder—Brass lined ..	s. 210	d. 0
3099A.	Tipping Piston Rod and Nut ..	58	0
3099D.	Four-way Cock Plate ..	1	10
3222F.	Tipping Crosshead Pin ..	8	0
3222G.	Tipping Piston Rod Gland ..	13	6
3224C.	Tipping Cross Bearer ..	13	6
3237D.	Four-way Cock Index Plate ..	1	1
3237E.	Four-way Cock Handle ..	6	6
3238A.	Four-way Cock Body ..	11	9
3238B.	Four-way Cock Plug ..	7	4
3238C.	Four-way Cock Plug Washer ..	—	8
3238D.	Four-way Cock Bracket ..	2	5
3319C.	Four-way Cock Spring ..	—	8
3328E.	Four-way Cock Plug Spring Nut ..	—	11
3356C.	$\frac{3}{4}$ " Gas Plug ..	1	6
3381A.	Tipping Piston Top Washer ..	18	0
3381B.	Tipping Piston Bottom Washer ..	18	0
3381C.	Tipping Piston Centre Washer ..	36	0
3381D.	Piston Cap Leather S.E.A. ..	29	0
3381D.	Piston Cap Leather, Rubber ..	3	10
3554A.	Tip. Cyl. Top Cover and Trunnion ..	90	0
3554B.	Tipping Crosshead ..	40	0
3557C.	Tipping Cylinder Bottom Cover ..	17	6
3588A.	Tipping Cylinder Trunnion Bracket ..	38	0
3596A.	Tipping Injector Body ..	60	0
3596B.	Tipping Injector Steam Cone ..	5	6
3596C.	Tipping Injector Lifting Tube ..	3	6
3596D.	Tipping Injector Sliding Thimble ..	1	6
3596E.	Tipping Injector Combining Nozzle ..	5	9
3596F.	Tipping Injector Delivery Nozzle ..	7	6
3596G.	Tipping Injector Delivery End Cap ..	4	0
3596H.	Tip. Inj. Delvry. Back Pressure Valve ..	10	0
3596J.	Delvry. Back Pressure Valve Guide ..	5	0
A.S.118	Water Regulator complete ..	15	6
3596K.	Water Regulator Plug ..	9	6
3596L.	Water Regulator Plug Handle ..	3	3
3596M.	Water Regulator Stuffing Gland ..	1	0
3596N.	Overflow Valve ..		
3596O.	Overflow Valve Flapper ..		
3596P.	Overflow Valve $\frac{3}{2}$ " Split Pin ..	(Only supplied as one complete item)	
3596Q.	Overflow Valve Hinge Pin $\frac{1}{8}$ " dia. ..	1	6
3596R.	Overflow Valve Cap ..	2	8
3133D.	Nipple ..	1	0
3175E.	Drain Plug Flange ..	1	3
3381F.	$\frac{1}{2}$ " Angle Globe Valve and Nipples ..	20	0
3404A.	Tip Tank Water Lifter Body ..	5	6
3432A.	Tip Tank, 5 ton ..	400	0
3432C.	Manhole Door ..	8	6
3434A.	Tip Tank, $\frac{3}{4}$ ton ..	380	0
3452A.	Tip Tank Strap with Ends and Steady Brackets ..	20	0
3452D.	Tank Strap Steady Bracket ..	1	10
A.S.119	Tipping Crosshead Bolt and Nut (not illustrated) ..	0	6



SPARE PARTS for SENTINEL STEAM WAGGONS

Pipes Special to 5 Ton Tipping Waggon (not illustrated)

List No.		Price.		Code Word.
		s.	d.	
3471A.	Water Lifter No. 1 (Boiler end) ..	22	6	ELIXABECT
3470C.	Water Lifter No. 2 (Tank end) ..	23	0	ELIXECIDO
3472A.	Injector Suction	26	0	ELIXIDOFU
3469C.	Pump Suction	21	6	ELIXOFYGA
3474A.	Pump Return	27	6	ELIXYGAJE
3471B.	Steam Supply Pipe, Boiler to Tipping Injector	30	0	ELIXAJEKI
3470B.	Tipping Injector to Fourway Cock ..	11	0	ELIXEKIMO
3470A.	Tipping Injector to Filter	8	0	ELIXIMONU
3472B.	Fourway Cock Return to Tank ..	16	0	ELIXONUPY
3473A.	Fourway Cock Return to Tipping Cylinder (Lower)	24	6	ELIXUPYRA
3473B.	Fourway Cock Return to Tipping Cylinder (Lift)	27	0	ELIXYRASE
3462C.	Injector Overflow Pipe	2	9	ELIXASETI

Assembled Parts

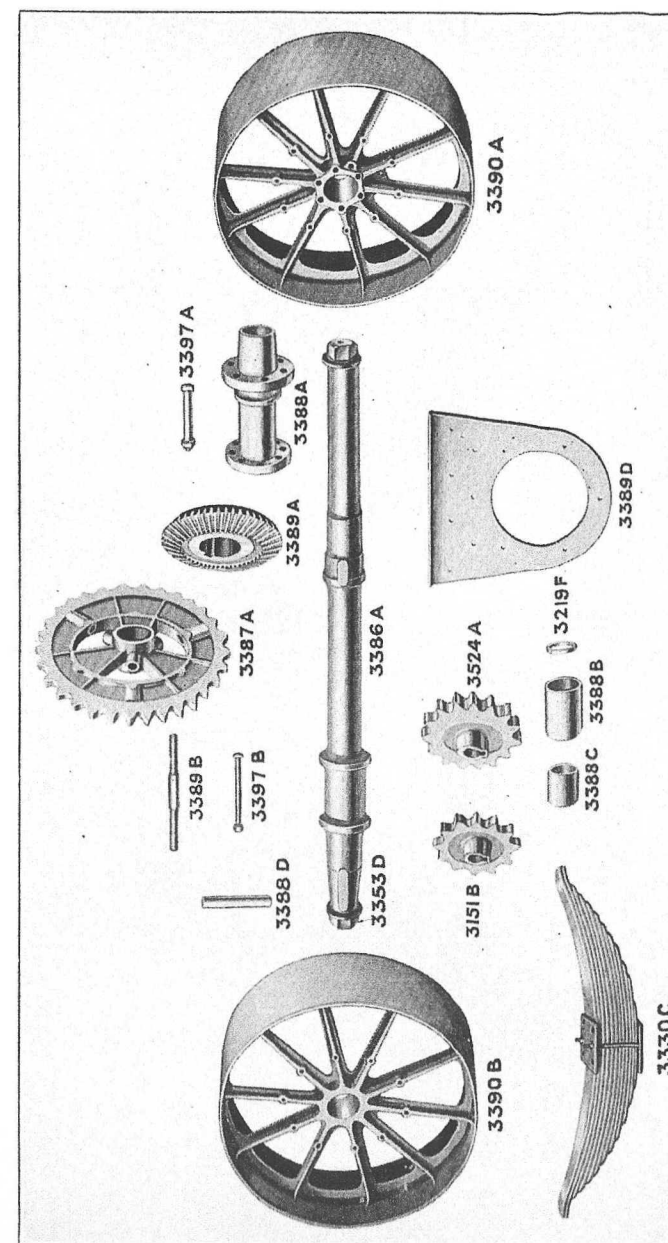
List No.		Price.	Code Word.
		s. d.	
A.S.120	Fourway Cock—complete	30 0	ELIXETIVO
„ 121	Tipping Cylinder—fitted complete	500 0	ELIXIVOXU
„ 122	Tipping Injector—complete	140 0	ELIXOXUZY
„ 123	Water Filter—complete	55 0	ELIXACEDI
„ 124	Water Lifter—complete	11 6	ELIXEDIFO

Parts Special to 4 ton Waggon

List No.		Price	Code Word.
		s.	d.
3389D.	Crank Case Suspension Plate	26	3
3524A.	Chain Pinion—15 tooth	85	0
3151B.	Chain Pinion—13 tooth	82	6
3386A.	Rear Axle and Nuts	600	0
3353D.	Rear Axle Nuts	12	0
3387A.	Chain Wheel—Bushed	225	0
3388C.	Chain Wheel Bush	20	0
3388D.	Differential Bevel Pinion Pin	8	6
3389A.	Differential Bevel Wheel, L.H.	97	6
3388A.	Rear Axle Sleeve and Bushes	250	0
3388B.	Rear Axle Sleeve Bush	20	0
3330C.	Rear Axle Spring	78	6
3397B.	Rear Spring Buckle Bolt and Nuts ..	1	4
3389B.	Radius Bar	7	6
3390B.	Rear Wheel, L.H.	370	0
3390A.	Rear Wheel, R.H.	370	0
3397A.	Rear Wheel Hub Bolt and Nuts ..	2	6
3219F.	Rear Axle Thrust Ring	4	0
A.S.125	Rear Axle with L.H. Bevel Wheel, Nuts and Feathers	740	0
„ 126	Chain Wheel Bushed and fitted with Pinions and Pins	380	0

(For special pipes see page 56.)

SPARE PARTS for SENTINEL STEAM WAGGONS



SPARE PARTS for SENTINEL STEAM WAGGONS

Parts Special to 8 ton Waggon

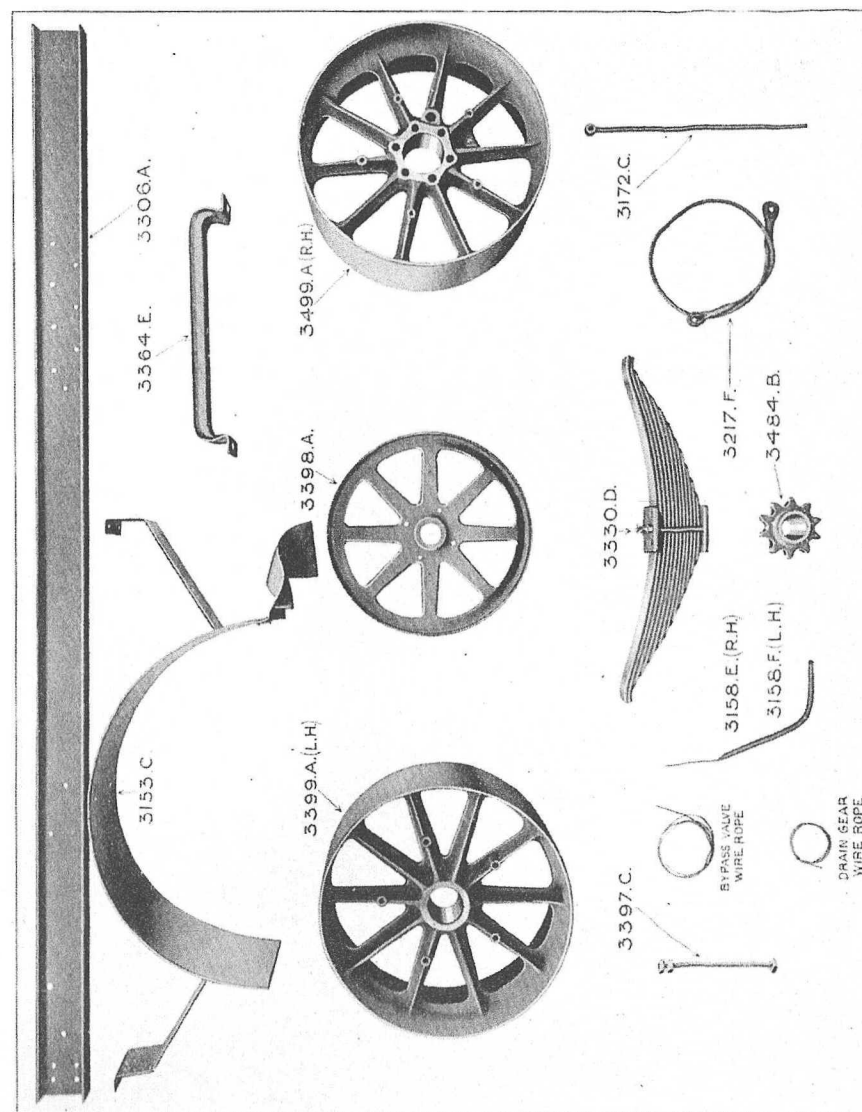
List No.		Price.	Code Word.
3153C.	Rear Mudguards, Flaps and Supports	s.	d.
	R. and L.H.	33	0
3158E.	Canopy Stay, R.H.	14	0
3158F.	Canopy Stay, L.H.	14	0
3172C.	Reversing Rod	18	6
3217F.	Brake Drag Rope and Thimbles ..	11	6
3306A.	Side Channel, R. and L.H. ..	195	0
3330D.	Rear Axle Spring	100	0
3364E.	Brake Bridge	24	0
3397C.	Rear Spring Buckle Bolt and Nuts ..	1	6
3398A.	Front Wheel	220	0
3399A.	Rear Wheel, L.H.	440	0
3484B.	Chain Pinion—10 tooth	90	0
3499A.	Rear Wheel, R.H.	480	0
A.S. 127	Bypass Valve Wire Rope—10' 9"	1	3
" 128	Drain Gear Wire Rope—8' 6"	1	0
3330/129	Rear Spring Plate—Top	11	6
3330/130	Rear Spring Plate—2nd	11	6
3330/131	Rear Spring Plate—3rd	10	6
3330/132	Rear Spring Plate—4th	10	0
3330/133	Rear Spring Plate—5th	9	6
3330/134	Rear Spring Plate—6th	7	6
3330/135	Rear Spring Plate—7th	6	6
3330/136	Rear Spring Plate—8th	5	6
3330/137	Rear Spring Plate—9th	5	0
3330/138	Rear Spring Plate—10th	4	9
3330/139	Rear Spring Plate—11th	4	6
3330/140	Rear Spring Plate—12th	4	3

Special Pipes

List No.		Price.	Code Word.
A.S. 141	Main Steam Pipe and Flanges ..	46	0 ENTINKIN
" 142	Injector Suction No. 2—Tank End ..	40	0 ENTAMAR
" 143	Water Lifter No. 2—Lifter End ..	40	0 ENTAFORG
" 144	Pump Delivery No. 2—Pump End ..	26	0 ENTULIP
" 145	Oil Pipe—Oil Pump to Stop Valve ..	18	6 EMTDROR
" 146	Exhaust Pipe—Engine to Heater ..	60	0 ENTAXI

Pipes Special to 4 Ton Waggon

List No.		Price.	Code Word.
		s.	d.
3468A.	Injector Suction Pipe. No. 2 ..	29	6
3468B.	Water Lifter Pipe. No. 2 Lift end ..	31	0
3469A.	Pump Suction Pipe	31	6
3469B.	Pump Return Pipe	27	6



SPARE PARTS for SENTINEL STEAM WAGGONS

Foot Brake for 3½ Ton Waggon

List No.		Price.	Code Word.
		s. d.	
3093A.	Foot Lever End	24 0	ENTHOMO
3093B.	Foot Lever Shaft Bracket	19 6	ENTHOP
3093C.	Brake Rod Lever	6 6	ENTHOFSAT
3093D.	Foot Lever Shaft	3 0	ENTHORT
3099F.	Pedal Return Spring Rod	3 2	ENTHONX
3310E.	Cross Shaft	3 8	ENTJUNK
3459D.	Brake Spring Stop	3 0	ENTJIMO

Rear Spring for 3½ Ton Waggon

List No.		Price.	Code Word.
		s. d.	
A.S.147.	Rear Spring Plate—Top	9 6	ENTJAKU
„ 148.	Rear Spring Plate—2nd	9 6	ENTJITE
„ 149.	Rear Spring Plate—3rd	8 3	ENTJUPUM
„ 150.	Rear Spring Plate—4th	8 0	ENTAPON
„ 151.	Rear Spring Plate—5th	6 6	ENTADON
„ 152.	Rear Spring Plate—6th	6 0	ENTASOP
„ 153.	Rear Spring Plate—7th	5 6	ENTAJIM
„ 154.	Rear Spring Plate—8th	5 6	ENTAFUG
„ 155.	Rear Spring Plate—9th	5 0	ENTADAD
„ 156.	Rear Spring Plate—10th	4 3	ENTANOD
„ 157.	Rear Spring Plate—11th	4 0	ENTAMIX
„ 158.	Rear Spring Plate—12th	4 0	ENTARAG

Front Axle used on Waggon Nos. 3845 to 4130

(excluding Nos. 4009, 4018, 4019, 4034, 4035, 4023, 4080, 4081, 4126).

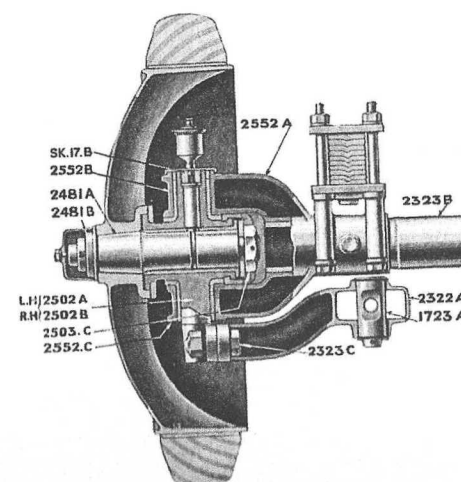
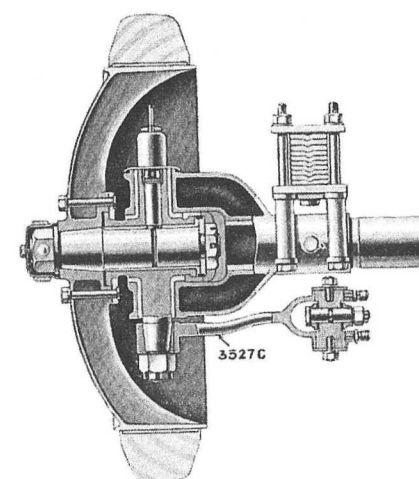
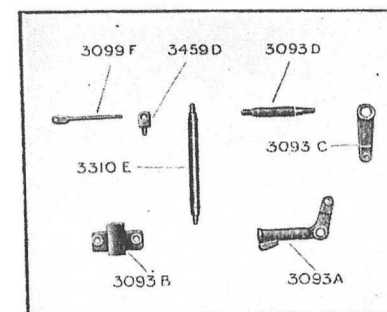
List No.		Price.	Code Word.
		s. d.	
3527C.	Steering Lever	65 0	EXPUGOTO

Old Style Front Axle

(used on Waggon Nos. up to 1404 and from 1553 to 1618)

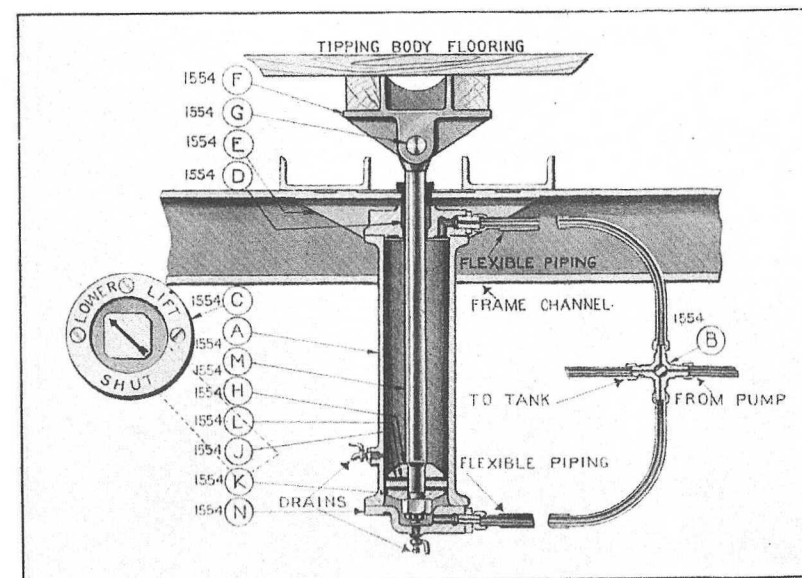
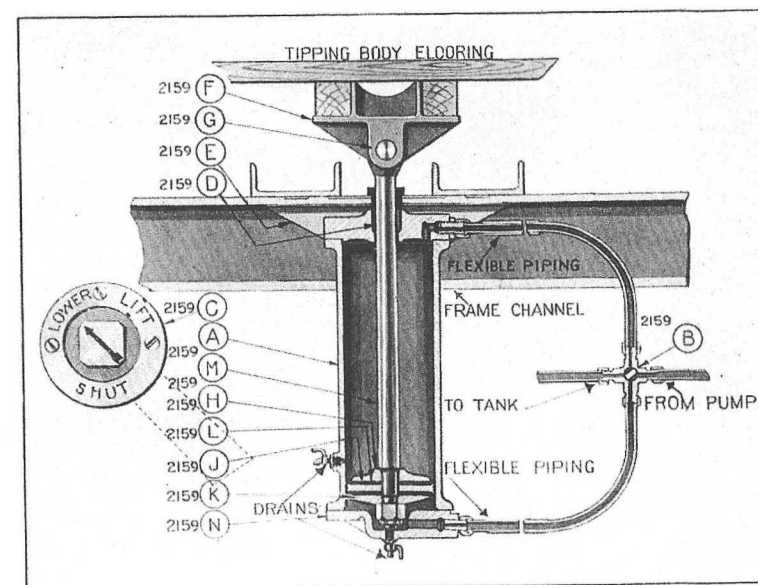
List No.		Price.	Code Word.
		s. d.	
SK.17B.	Pivot Plug	— 10	EXPYJUK
1723A.	Steering Lever Pin	14 6	EXPAKYM
2322A.	Steering Lever	44 0	EXPEMANO
2323B.	Front Axle	95 0	EXPINEP
2323C.	Steering Lever Bolt	4 0	EXPPIRO
2481A.	Front Axle Journal	50 0	EXPUIROS
2481B.	Front Axle Journal Lock Nut	9 0	EXRYSUT
2502A.	Front Axle Pivot L.H. Bushed	170 0	EXRATAV
2502B.	Front Axle Pivot R.H. Bushed	180 0	EXREVEX
2503C.	Front Axle Journal Nut	7 0	EXRINIZ
2552A.	Front Axle Pivot Arm	190 0	EXROZAB
2552B.	Front Axle Pivot Arm Cap Top	27 0	EXRUBEC
2552C.	Front Axle Pivot Arm Cap Bottom.. .. .	24 0	EXRACID

SPARE PARTS for SENTINEL STEAM WAGGONS



Old Style Tipping Parts

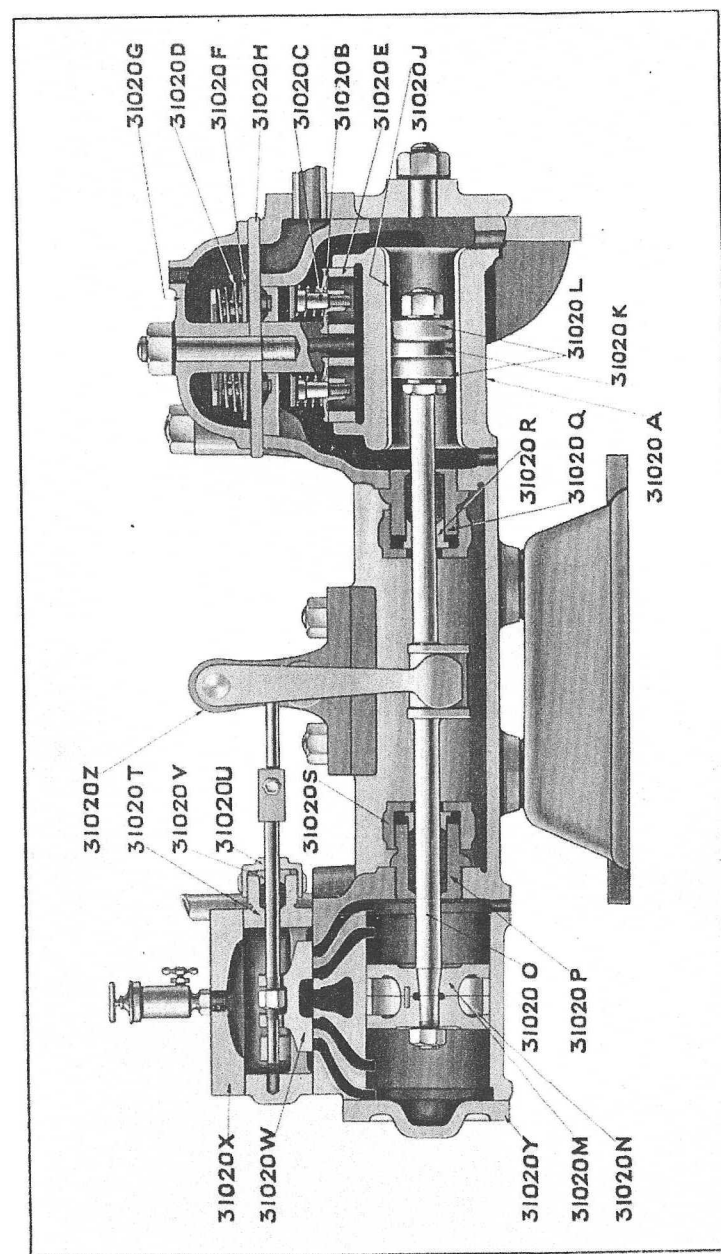
List No.		Price.	Code Word.
		s. d.	
1554A.	5" Tipping Cylinder—Studded ..	105 0	EBOFITY
1554B.	Fourway Cock, Complete	31 6	EBOZUTLO
1554C.	Index Plate	1 0	EBOBUTLE
1554D.	Cylinder top Cover and Trunnion ..	100 0	EBOLITFO
1554E.	Trunnion Bracket	44 6	EBONAPSY
1554F.	Crosshead	50 6	EBONYLOP
1554G.	Crosshead Pin	8 0	EBOPLEX
1554H.	Piston Top Washer	16 6	EBOMUP
1554J.	Piston Centre Washer	32 6	EBOZUPLE
1554K.	Piston Bottom Washer	16 6	EBOPLUT
1554L.	Piston Cup Leather—S.E.A. ..	12 6	EBOPENTO
1554M.	Piston Rod and Nut	63 0	EBOPANAX
1554N.	Cylinder Bottom Cover	34 0	EBOPAML
2159A.	7" Tipping Cylinder—Studded ..	132 6	EBOPLEBUR
2159B.	Fourway Cock Complete	31 6	EBOPITDZ
2159C.	Index Plate	1 0	EBOPASORN
2159D.	Cylinder Top Cover and Trunnion ..	105 0	EBOLIZOM
2159E.	Trunnion Bracket	44 6	EBOGIZOX
2159F.	Crosshead	50 6	EBOFUMPZ
2159G.	Crosshead Pin	8 0	EBOMARY
2159H.	Piston Top Washer	17 6	EBOGOUR
2159J.	Piston Centre Washer	34 6	EBOGARAB
2159K.	Piston Bottom Washer	17 6	EBOLARIM
2159L.	Piston Cup Leather	23 0	EBOMIRPOS
2159M.	Piston Rod and Nut	64 6	EBOLURTED
2159N.	Cylinder Bottom Cover	35 0	EBOWOREL
A.S.159	5" Tipping Cylinder (fitted up complete)	430 0	EBOHVAV
" 160	7" Tipping Cylinder (fitted up complete)	485 0	EBOHUWEX



Old Style Tipping Pump

For 5 Ton Waggon

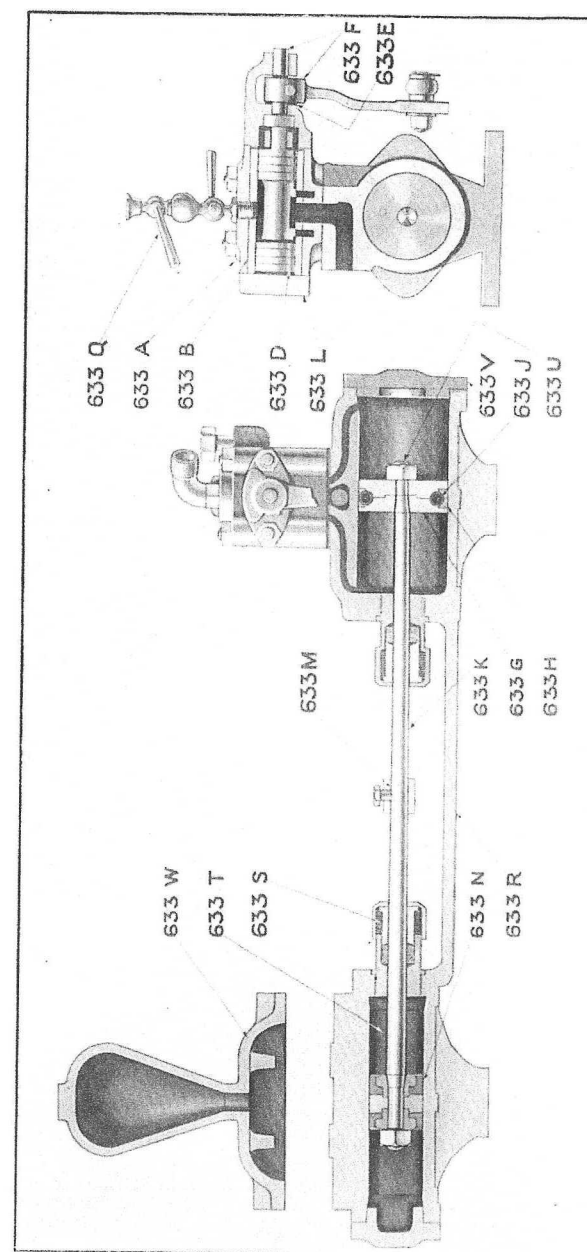
List No.		Price.		Code Word.
		s.	d.	
31020A.	Cast Iron Body (Machined complete with G.M. Liners and Suction Valve Seats fitted, including necessary Studs, but no other part)	350	0	EBOBACID
31020B.	Suction and Delivery Valve Discs ..	2	6	EBODEDOF
31020C.	Suction and Delivery Valve Stems ..	1	10	EBOBIFUG
31020D.	Suction and Delivery Valve Springs ..		3	EBOBOGYK
31020E.	Suction Valve Seats ..	6	3	EBOBUIAL
31020F.	Delivery Valve Plate ..	21	0	EBOCOJEM
31020G.	Water End Top Cover (without Aircock) ..	10	6	EBOCIMIN
31020H.	Water End Cover ..	8	6	EBOCENOB
31020J.	1½" G.M. Liner ..	27	6	EBOCAPUR
31020K.	Gunmetal Buckets ..	21	6	EBODERYS
31020L.	Leathers (for Gunmetal Buckets) ..	2	3	EBODISAT
31020M.	Steam Pistons. ..	33	6	EBODOTEV
31020N.	Steam Piston Rings ..	12	6	EBODUVIX
31020O.	Piston Rod and Nut ..	30	6	EBODYXOZ
31020P.	Cast Iron Stuffing Box (for Piston Rod) ..	9	4	EBOFAZOB
31020Q.	Gunmetal Stuffing Box (for Piston Rod) ..	12	6	EBOFEBUC
31020R.	¾" Gunmetal Glands for Piston Rod ..	2	10	EBOFICYP
31020S.	Cast Iron Stuffing Box Nuts ..	4	4	EBOFODAG
31020T.	Steam Chest (with Stuffing Box Nuts and Glands, but no cover or Slide Valves) ..	43	0	EBOFUGEF
31020U.	Gunmetal Stuffing Box Nut (For Valve Rod) ..	4	4	EBOFYFIJ
31020V.	⅝" Gunmetal Gland (for Valve Rod) ..	2	4	EBOGAJOK
31020W.	Slide Valve ..	3	2	EBOGEKUM
31020X.	Steam Chest Cover ..	8	6	EBOGIMYN
31020Y.	Steam Cylinder End Cover ..	8	6	EBOGOBAP
31020Z.	Rocking Shaft Bracket ..	10	6	EBOGUPER
A.S.161.	¾" Drain Cock ..	5	8	EBOGYRIQ
" 162.	1" Impermeator ..	14	0	EBOHAQUOS
" 163.	Air Cock ..	3	4	EBOHESUT
" 164.	Valve Rod with Head and Nut ..	4	8	EBOHITYV



Old Style Tipping Pump

For 3½ Ton Waggon

List No.		Price.	Code Word.
633A.	Rotary Valve Chest (fitted complete)	s. 250	d. 0 EBOJAZOA
633B.	Rotary Valve Chest Liner	52	6 EBOJABUB
633D.	Rotary Piston Valve	52	6 EBOJICYB
633E.	Rotary Shaft Spring	—	9 EBOJOBAC
633F.	Spindle and Lever	54	6 EBOJUCED
633G.	Piston	18	0 EBOJYDIF
633H.	Piston Rings	3	6 EBOJAFOG
633J.	Piston Ring Springs	2	4 EBOJEGUH
633K.	Piston Rod	27	6 EBOJIIHYC
633L.	Steam Chest Back Cover	3	9 EBOJOKAM
633M.	Crosshead (fitted complete)	19	6 EBOJUMEN
633N.	Bucket Leathers	1	10 EBOJYNIP
633O.	Water Suction Flange (not illustrated)	4	0 EBOKAPOR
633P.	Drain Cocks (not illustrated)	4	4 EBOKERUS
633Q.	Double Cock Lubricators	11	6 EBOKISYT
633R.	Body only Tracta Tipping Pump	230	0 EBOKOTAV
633S.	G. M. Stuffing Box	8	6 EBOKUVEX
633T.	Water End Brass Liner	19	6 EBOKYXIZ
633U.	Piston Rod Nut	—	4 EBOKAZOA
633V.	Steam Cylinder Cover	7	10 EBOKEBUC
633W.	Water End Cover with Air Vessel	46	6 EBOKICYD
A.S.165	C. I. Slide Valve	23	6 EBOKODAF
„ 166	Pump Bucket complete	27	6 EBOHYXIZ
„ 167	Piston complete	27	6 EBOHUDY



SPARE PARTS for SENTINEL STEAM WAGGONS

Accessories and Tools

Chain Parts

List No.		Price.	Code Word.
		s. d.	
A.S. 168.	3½ and 4 ton Chain complete 58 links	264	2 EXLYXOZ
" 169.	Inner Link—2¼" Pitch	6	10 EXLAZUB
" 170.	Outer Link—2¼" Pitch	3	5 EXLEBYC
" 171.	Bolt and Nut—2¼" Pitch	5	9 EXLICAD
" 172.	Cranked Link—2¼" Pitch	22	10 EXLODEF
" 173.	Connecting Link—2¼" Pitch	13	8 EXLUFIC
" 174.	5 and 6 ton Chain complete 60 links	396	0 EXLYGOK
" 175.	Inner Link—2½" Pitch	9	11 EXMAKUM
" 176.	Outer Link—2½" Pitch	5	0 EXMEMYN
" 177.	Bolt and Nut—2½" Pitch	8	9 EXMINAP
" 178.	Cranked Link—2½" Pitch	33	0 EXMOPER
" 179.	Connecting Link—2½" Pitch	19	10 EXMURIS

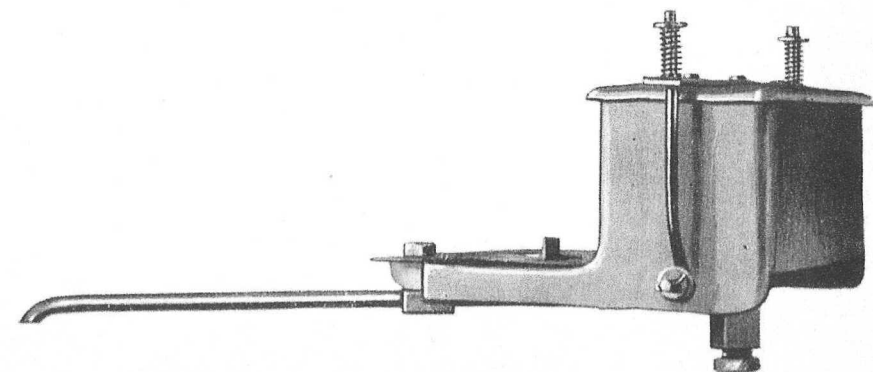
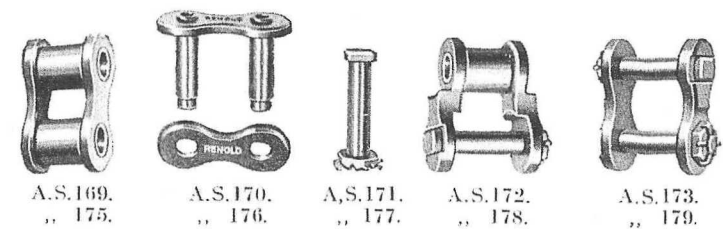
Chain Cleaning Pans

List No.		Price.	Code Word.
		s. d.	
A.S. 180.	Chain Cleaning Pan complete ..	110	0 EXMATUV
" 229.	" " " only	37	6 EXNAMON
" 230.	" " " Grid	17	0 EXPENUP
" 231.	" " " Burner	18	0 EXQUART

Chain Lubricator

List No.		Price.	Code Word.
		s. d.	
3710.	Chain Lubricator	22	6 EXMULIM

SPARE PARTS for SENTINEL STEAM WAGGONS



SPARE PARTS for SENTINEL STEAM WAGGONS

Accessories and Tools (continued)

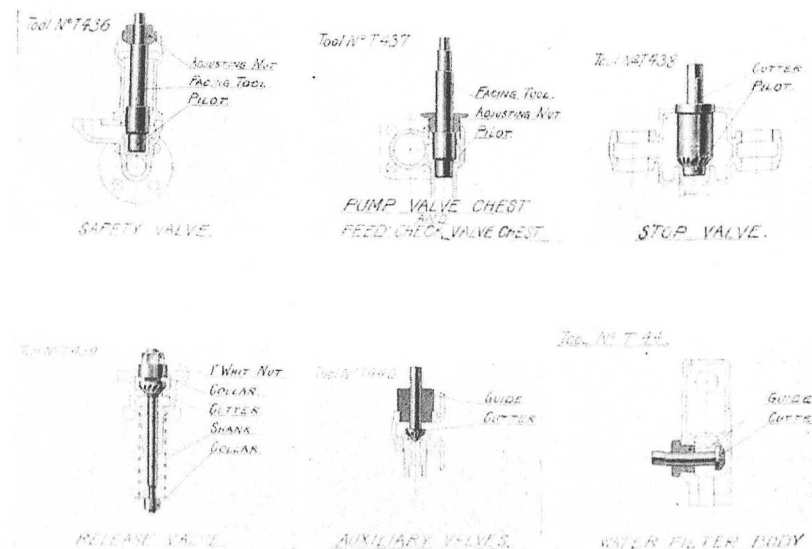
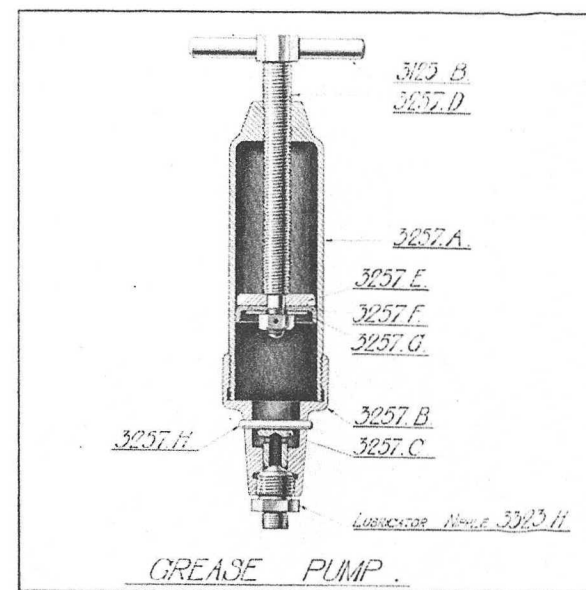
Grease Pump

List No.		Price.	Code Word.
		s. d.	
3125B.	Grease Pump Handle	— 4	EBOKUFEG
3257A.	Grease Pump Barrel	4 9	EBOKYGOH
3257B.	Grease Pump Nozzle	3 6	EBOLAHUJ
3257C.	Grease Pump Valve	— 8	EBOLEJYK
3257D.	Grease Pump Spindle and Nut ..	2 0	EBOLIKAM
3257E.	Grease Pump Piston Top Washer ..	1 2	EBOLONEM
3257G.	Grease Pump Piston Bottom Washer ..	— 1	EBOLUNIP
3257F.	Grease Pump Piston Cup Washer ..	— 6	EBOLYPOR
3257H.	Grease Pump Valve Pin	— 1	EBOLARUS
3257.	Grease Pump complete	17 6	EBOLSYT

Facing Cutters for Valve Seats

List No.		Price.	Code Word.
		s. d.	
T.436.	Safety Valve Cutter	35 0	EXTIFY
T.437.	Feed Check Valve Chest Cutter and Pump Valve Chest Cutter ..	35 0	EXTUZOL
T.438.	Stop Valve Cutter	32 0	EXTUBEL
T.439.	Release Valve Cutter	27 0	EXTILOF
T.440.	Auxiliary Valve Cutter	18 6	EXPANTY
T.441.	Water Filter Body Cutter	16 6	EXPLINY

SPARE PARTS for SENTINEL STEAM WAGGONS



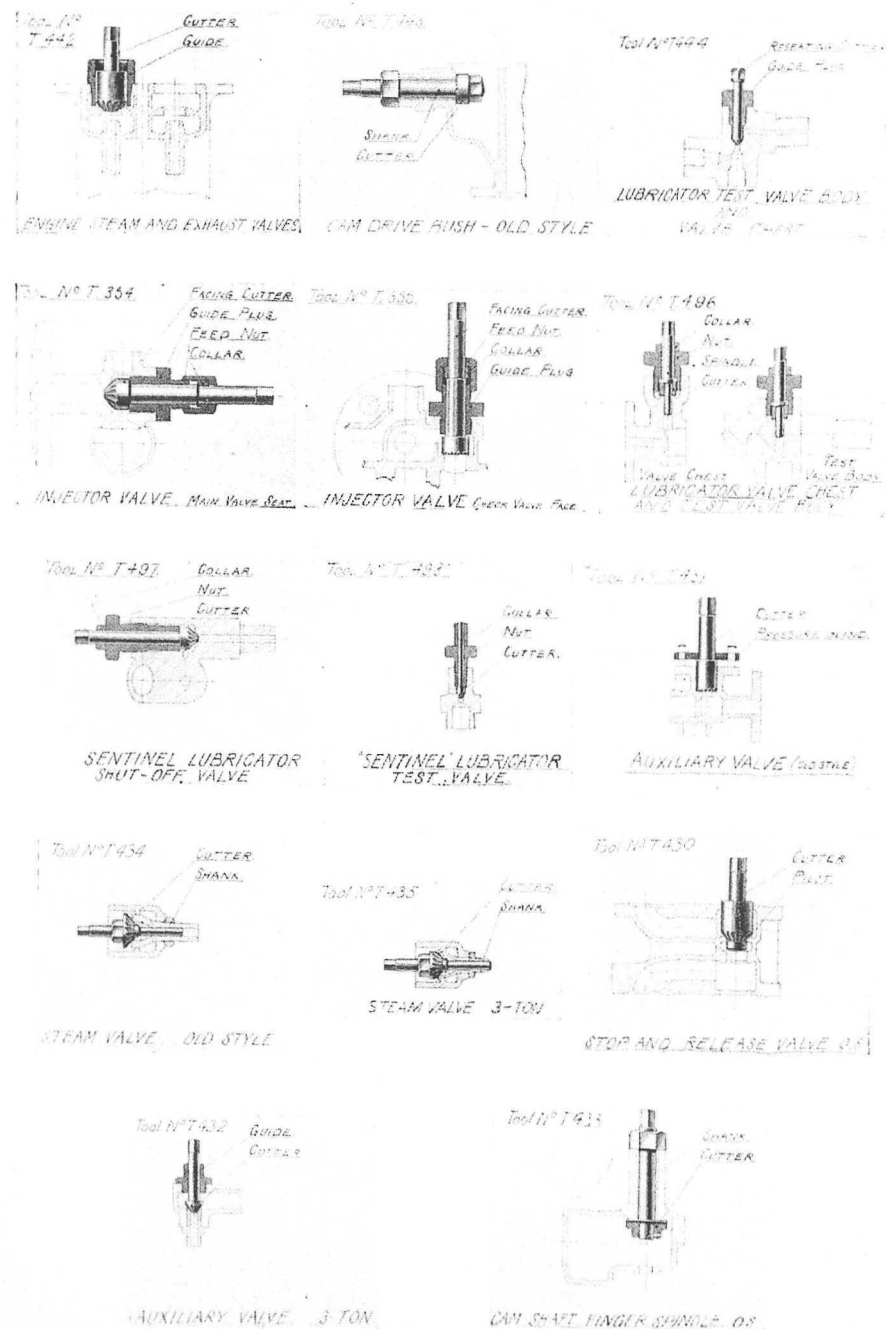
SPARE PARTS for SENTINEL STEAM WAGGONS

Accessories and Tools (continued)

Facing Cutters (continued)

List No.		Price.	Code Word.
		s.	d.
T.442.	Engine Steam and Exhaust Valve Cutter	35	0
T.443.	Cam Drive Bush Cutter (O.S.) ..	18	6
T.444.	Lubricator Test Valve Body and Valve Chest Cutter (O.S.) ..	6	6
T.354.	Injector Main Valve Cutter ..	21	0
T.355.	Injector Check Valve Cutter ..	15	6
T.496.	Lubricator Valve Chest Test Valve Body Cutter	15	0
T.497.	Lubricator Shut-off Valve Cutter ..	16	0
T.498.	Lubricator Test Valve Cutter ..	12	0
T.431.	Auxiliary Valve Cutter (O.S.) ..	15	6
T.434.	Steam Valve Cutter (O.S.) ..	14	0
T.435.	Steam Valve 3 ton Cutter (O.S.) ..	14	0
T.430.	Stop and Release Valve Cutter (O.S.)	21	6
T.432.	Aux. Valve 3 ton Cutter (O.S.) ..	11	6
T.433.	Cam Shaft Finger Spindle Cutter (O.S.)	20	0

SPARE PARTS for SENTINEL STEAM WAGGONS



SPARE PARTS for SENTINEL STEAM WAGGONS

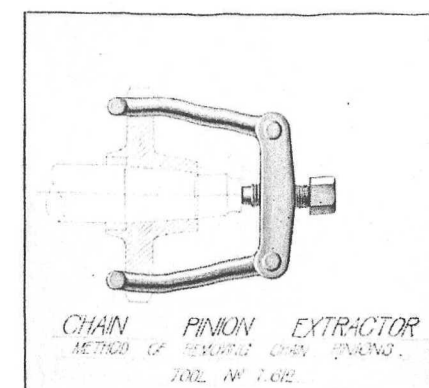
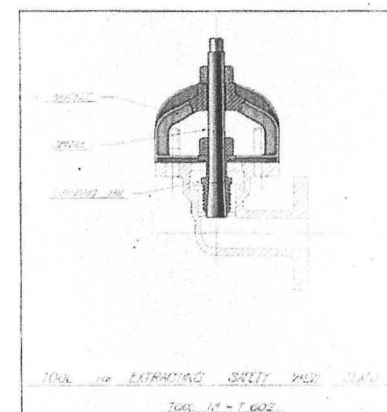
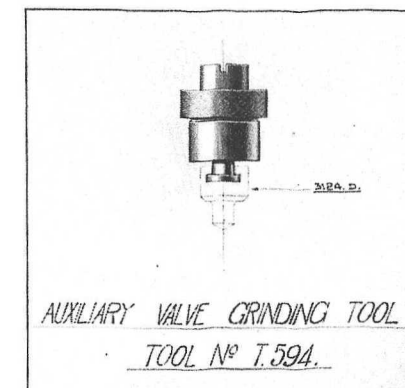
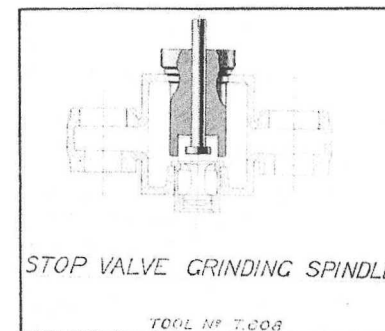
Accessories and Tools (*continued*)

List No.		Price.		Code Word.
		s.	d.	
T.608.	Stop Valve Grinding Spindle ..	12	6	EXCASIL

List No.		Price.		Code Word.
		s.	d.	
T.594.	Auxiliary Valve Grinding Tool ..	15	0	EXRUNSE

List No.		Price.		Code Word.
		s.	d.	
T.602.	Safety Valve Seat Extractor ..	13	4	ENSILUP

List No.		Price.		Code Word.
		s.	d.	
T.612.	Chain Pinion Extractor	40	0	EXLION



SPARE PARTS for SENTINEL STEAM WAGGONS

Accessories and Tools (*continued*)

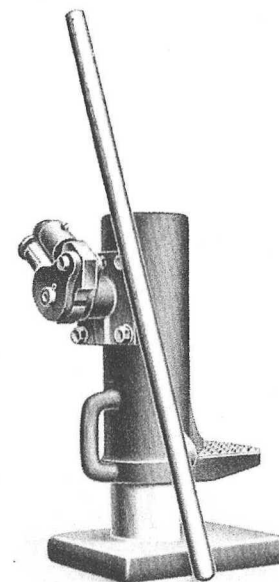
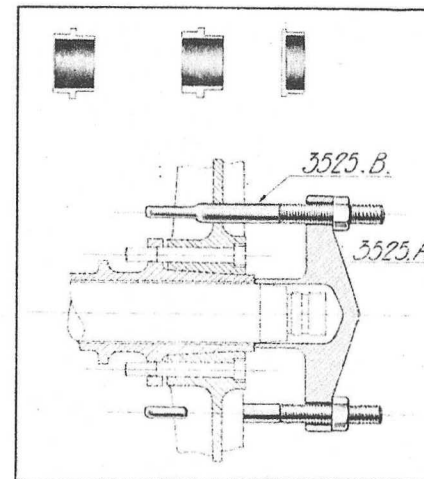
Rear Wheel Extractors

List No.			Price.		Code Word.
			s.	d.	
A.S. 181	Rear Wheel Extractor—6 ton	..	110	0	EXMIRAS
„ 182	Rear Wheel Extractor—4 ton	..	120	0	EXMOSET
3525A.	Extractor only		55	0	EXRUGAM
3525B.	„ Bolt		17	0	EXQUODO

Screw Jacks

List No.			Price.		Code Word.
			s.	d.	
A.S. 183	Ratchet Screw Jack		182	9	EXMYMON

SPARE PARTS for SENTINEL STEAM WAGGONS



SPARE PARTS for SENTINEL STEAM WAGGONS

Accessories and Tools (continued)

Boiler Cleaning Outfit

					Price,	Code Word.
					s.	d.
A.S. 184	Boiler Cleaning Outfit Complete				66	8 EXMEVYN
	(improved flexible)	..	..			

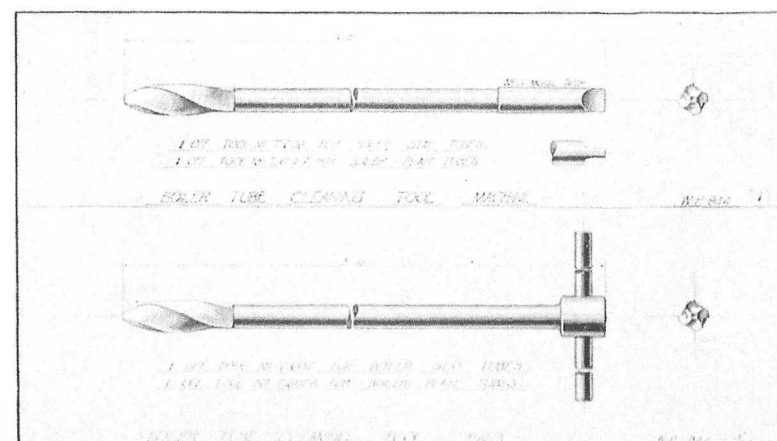
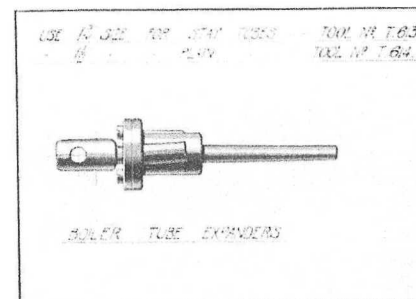
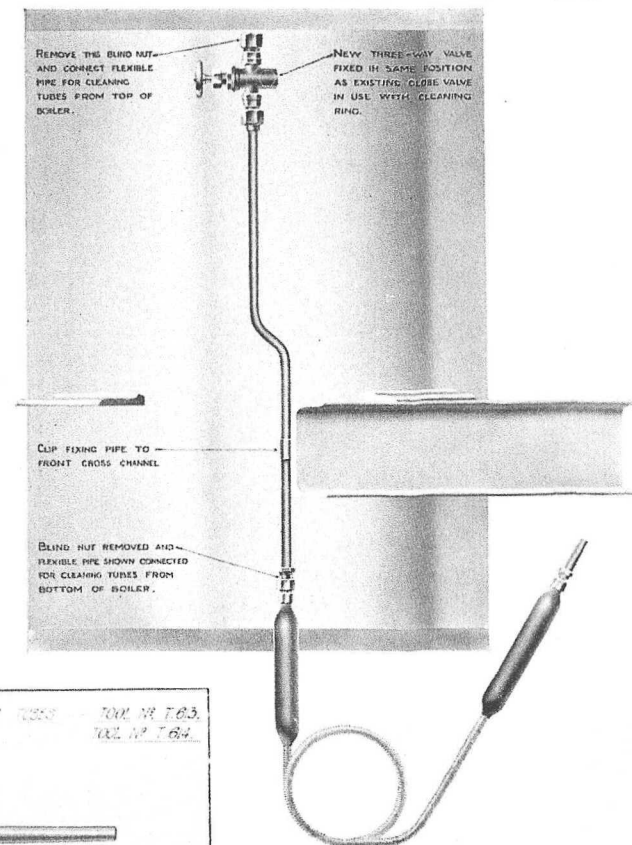
(For separate parts see page 16.)

Tube Expanders

List No.					Price.		Code Word.
					s.	d.	
T.613.	Tube Expander	..	..	..	21	0	EXMEFYG
T.614.	Tube Expander	..	..	..	25	0	EXMIGAK

Tube Cleaning Tools

			Price.		Code Word.
			s.	d.	
T.606.	Stay Tube—Machine use		17	0	EXMIXAZ
T.606a.	Plain Tube—Machine use		17	0	EXMOZEB
T.607.	Stay Tube—Hand use		17	6	EXMUBIC
T.607a.	Plain Tube—Hand use		17	6	EXMYCOD



SPARE PARTS for SENTINEL STEAM WAGGONS

Accessories and Tools (continued)

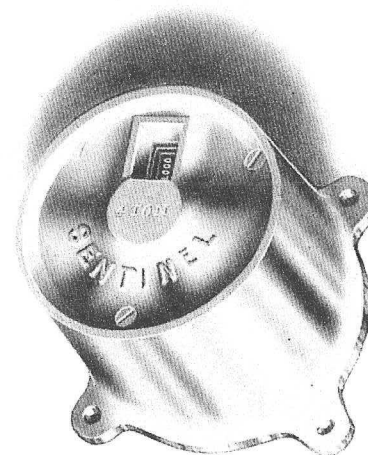
Mileage Recorders

List No.					Price.		Code Word.
					s.	d.	
3667.	Mileage Recorder	..	..	..	90	0	EXMANUP

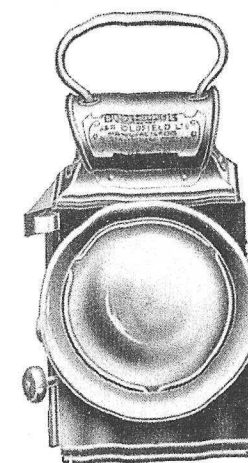
Lamps

List No.					Price.		Code Word.
					s.	d.	
A.S.186.	Side Lamp	..	..	..	58	4	EXLITAB
„ 187.	Tail Lamp	..	..	..	50	0	EXLOVEW
„ 188.	Cab Lamp	..	..	..	11	11	EXLUWIX

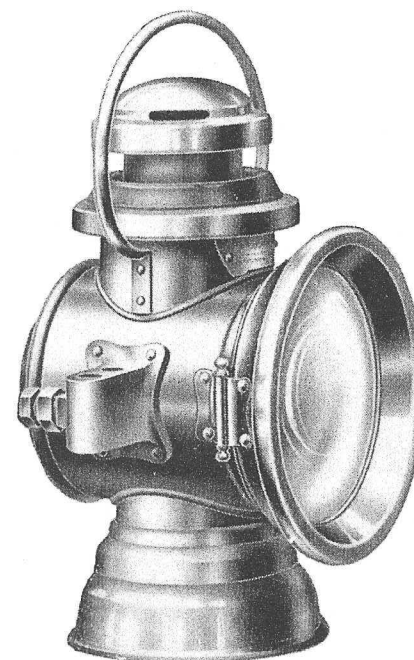
SPARE PARTS for SENTINEL STEAM WAGGONS



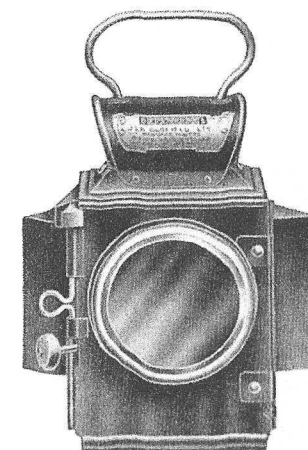
No. 3667.



No. A.S.188.



No. A.S.186.



No. A.S.187.