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# British Railways Board

Mechanical & Electrical Engineering Department

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## VEHICLE DIAGRAM BOOK No 320 (Part 2)

FOR

# B.R. Revenue Freight Vehicles

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# **British Railways Board**

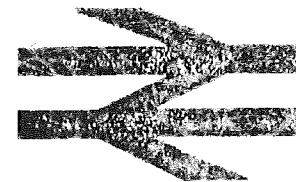
**Mechanical & Electrical Engineering Department**

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## **VEHICLE DIAGRAM BOOK NO 320 (PART 2)**

**FOR**

### **B.R. Revenue Freight Vehicles**



# REVISION RECORD

REVISION NUMBER	DATE	INSERTED BY
ONE	2/82	Jew

REVISION NUMBER	DATE	INSERTED BY

REVISION NUMBER	DATE	INSERTED BY

## PREFACE

A complete list of Vehicle Diagram Books is shown below, together with new or revised book reference numbers & the colours of the respective book covers. The existing Locomotive Diagram books, which were previously shown with MT/ reference numbers, have now received new covers in accordance with this revised numbering system.

### REVISED VEHICLE DIAGRAM BOOK NUMBERS

Vehicle Type	Diagram Book No	Colour of Cover	Vehicle Type	Diagram Book No	Colour of Cover
<u>Locomotives:- Diagram Book Series 100</u>			<u>Freight Vehicles:- Diagram Book Series 300</u>		
Diesel Electric Main Line Locos	100 (Previously No MT/25)	Red	Privately Owned Freight Vehicles	300	White
Electric Main Line Locos	110 (Previously No MT/26)	Green	Privately Owned International Ferry Vehicle	310	White
Diesel Shunting Locos	120 (Previously No MT/27)	Yellow	BR, Revenue Freight Vehicle	320	Buff
<u>Coaching &amp; Multiple Unit Stock:- Diagram Book Series 200</u>			BR International Ferry Vehicles	330	Buff
Loco Hauled Coaches	200	Orange	Foreign Administration Freight Vehicles	340	White
Electric Multiple Units	210	Blue	BR Service Department Vehicles	350	Buff
Diesel Multiple Units (Railcar)	220	Pink			
Diesel Electric Multiple Units (HST)	230	Pink			

DECEMBER 1981

Issued by:-

Director of Mechanical & Electrical Engineering  
Railway Technical Centre  
DERBY

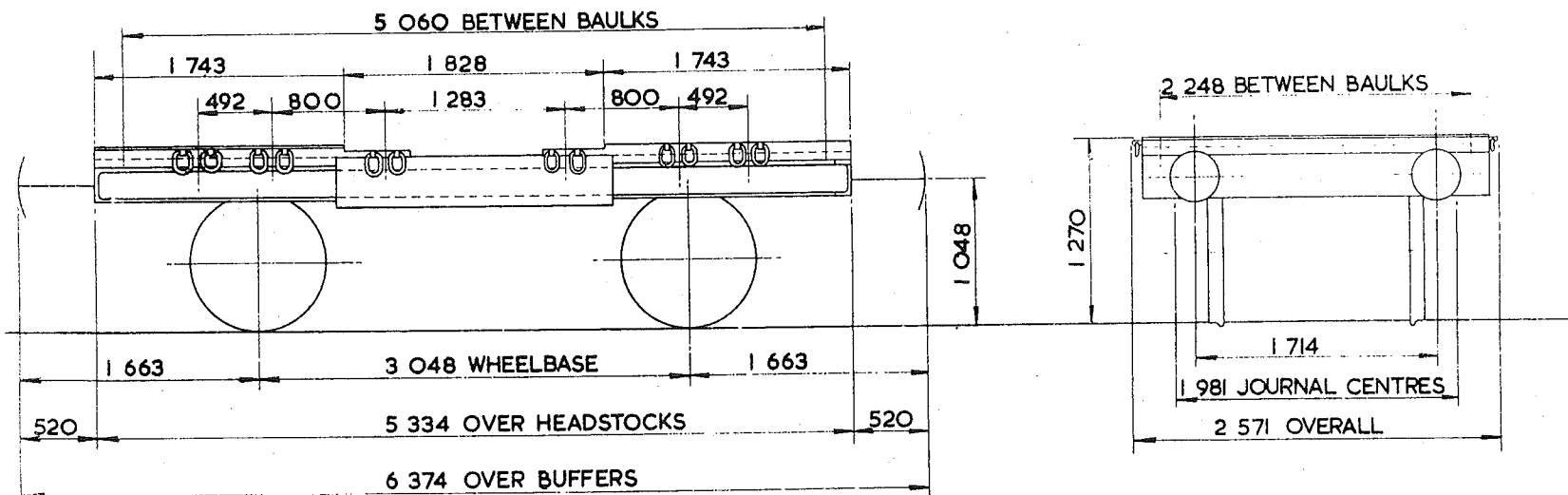
# CONFLAT 'A' WAGON

FA003A

LOT NUMBER		
PART 2972	2971	3096
PART 2985	2984	3097
PART 3083	3024	3163
PART 3107	3025	
PART 3153	3084	

EXCESS LENGTH	H	M	L	E
tonnes	17	15	10	7
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX SPEED	45	45	45	45

TO		CODE		
CARKND	AARKND	LIFTING PARTS		
F	A	V	F	A
			V	C



TARE -- 6 350 kg
CARRYING CAPACITY - 13 000 kg
CAPACITY -
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA
JOURNALS 228 x 103 PLAIN BEARINGS

BUFFERS PNEUMATIC 330 DIA HEADS
COUPLINGS - B.R. SCREW
MIN CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/SW 251
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE

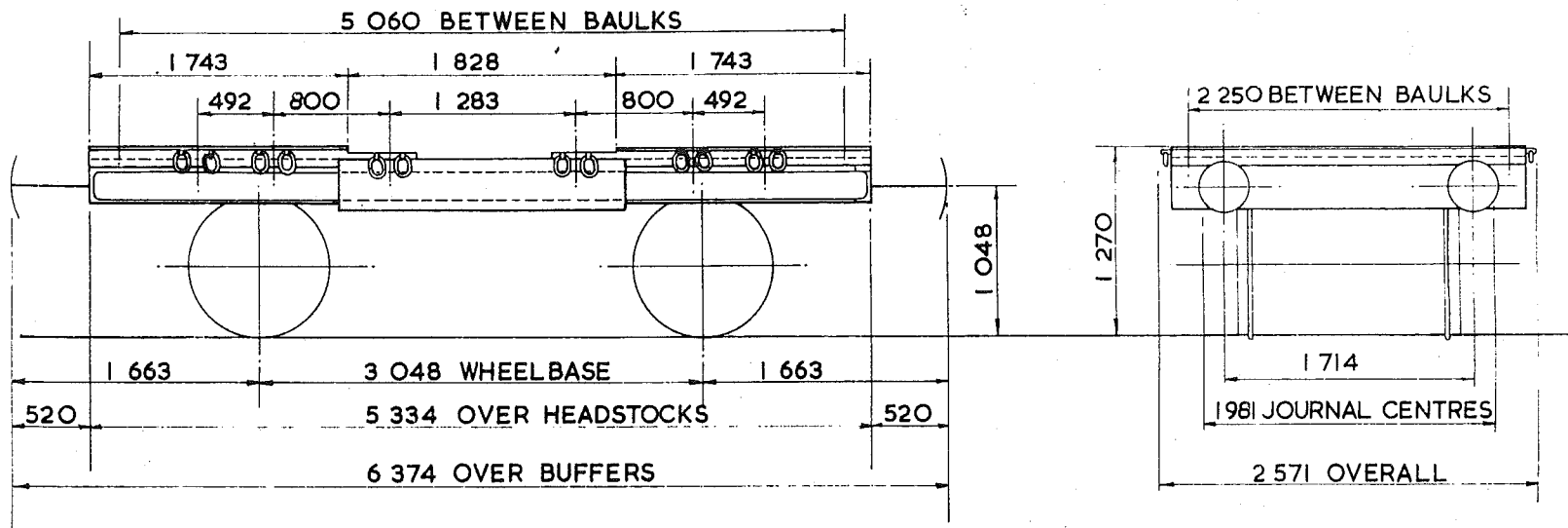
# CONFLAT 'A' WAGON

FAOO3B

LOT NUMBER
PART 3097

EXCESS LENGTH	H	M	L	E
tonnes	17	15	10	7
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No				
F	A	V	F	A	V	C	1	0	1



TARE - 6 600kg
CARRYING CAPACITY- 13 000kg
CAPACITY-
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 x 108 PLAIN BEARINGS

BUFFERS - PNEUMATIC 330 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21m.
GEN. ARRGT. DRG. No. - SW/SW/251
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

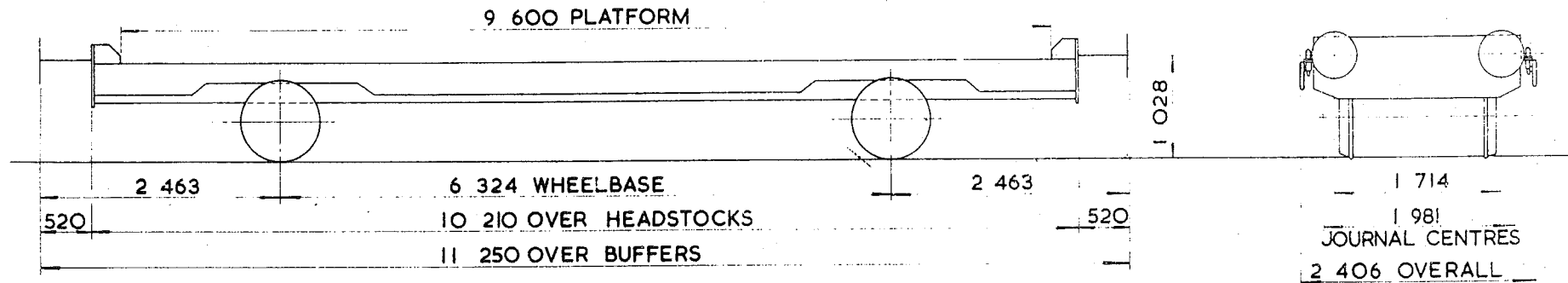
# CONFLAT WAGON

# FBOOIA

LOT NUMBER
3620

EXCESS LENGTH	8	H	M	L	E
tonnes	35	25	13	10	
VB	0	0	0	0	
AB	24	19	14	7	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE					
CARKND		AARKND		OPERATING PANEL NO.	
F	B	B	F	B	B
C	2	9	3		



TARE - 10 250 kg
CARRYING CAPACITY - 25 500 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - PNEUMATIC 457 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 41 m
GEN. ARRGT. DRG. No. - DE 12603
BRAKE - AIR DISC, VACUUM PIPED & HAND LEVER
SUSPENSION - DOUBLE LINK

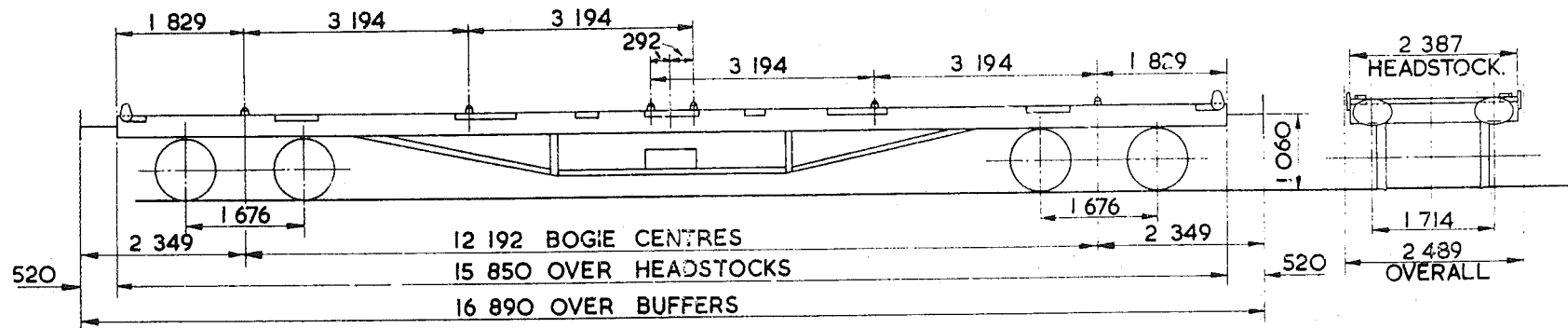
# CONFLAT WAGON

FCOOIA

LOT NUMBER
3494

EXCESS LENGTH	7	H	M	L	E
tonnes	36	28	23	19	
VB	12	12	12	12	
AB					
RA	5	2	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE					
CARKND		AARKND		OPERATING PANEL No.	
F	C	V	F	C	V
C					
				2	00



TARE	19 250 kg
CARRYING CAPACITY-	35 500 kg
CAPACITY-	
MAX SPEED	60 mile/h
WHEELS	952 DIA.
JOURNALS	124 DIA. ROLLER BEARINGS

BUFFERS -	PNEUMATIC 610x356 OVAL HEADS
COUPLINGS -	B.R. SCREW
MIN. CURVE -	22 m
GEN. ARRGT. DRG. No. -	ES 14007
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SECONDARY COIL



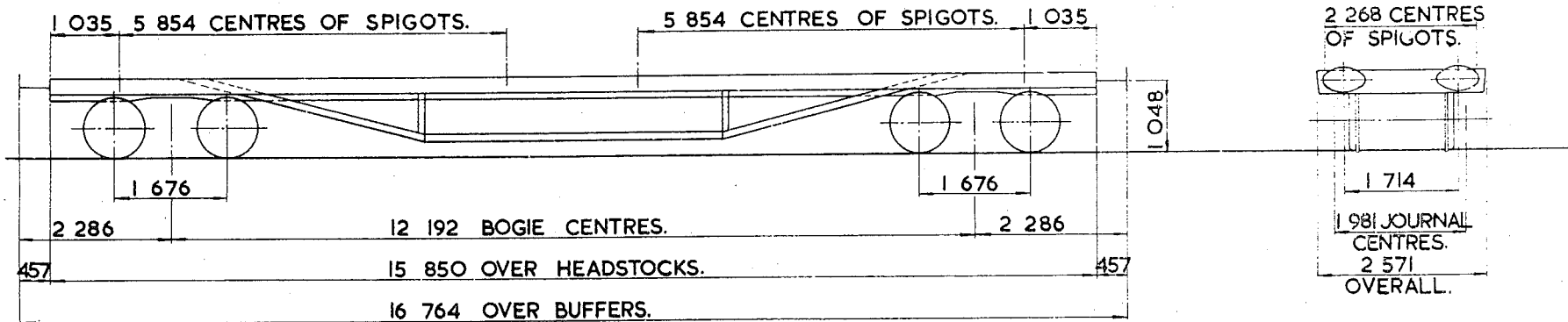
# CONFLAT 'E' WAGON

FEOOIA

LOT NUMBER
EX 3235
EX 3236
EX 3240

EXCESS LENGTH	7	H	M	L	E
tonnes	47	37	23	18	
VB	12	12	12	12	
AB					
RA	1	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE									
CARKND		AARKND			OPERATIVE PANEL NO.				
F	E	V	F	E	V	C	2	7	7



TARE -- 16 000 kg
CARRYING CAPACITY -- 42 500 kg.
CAPACITY--
MAX. SPEED -- 50 mile/h.
WHEELS -- 952 DIA.
JOURNALS -- 254 x 127 PLAIN BEARINGS.

BUFFERS -- SELF CONTAINED 559x356 OVAL HEADS.
COUPLINGS -- INSTANTER.
MIN. CURVE -- 22 m.
GEN. ARRGT. DRG. No. -- DE 1259I.
BRAKE -- VACUUM BLOCK & HAND LEVER
SUSPENSION -- SECONDARY COIL

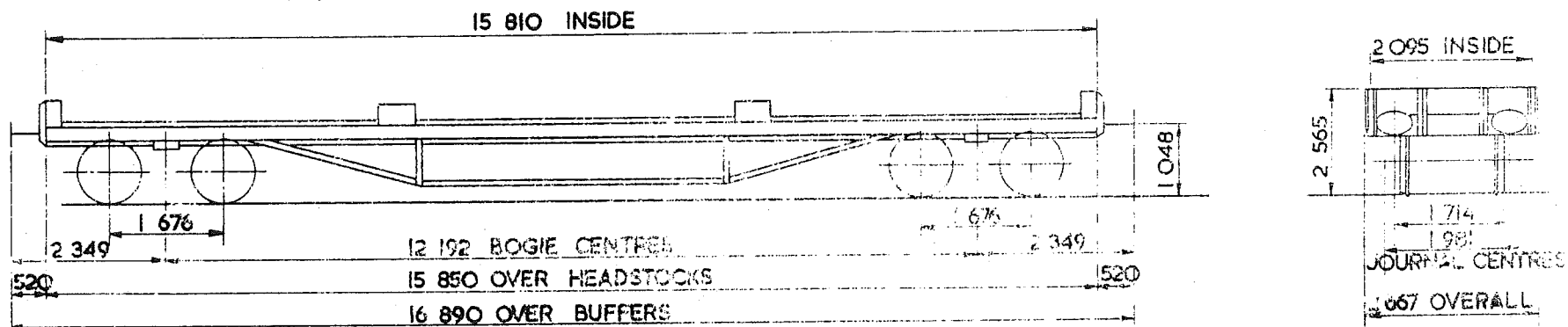
# CONFLAT 'E' WAGON

FEOOIB

LOT NUMBER
EX. 3229

EXCESS LENGTH	7	H	M	L	E
COGNES	39	34	24	18	
VB	12	12	12	12	
AD					
HA	2	1	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL			
F	E	V	F	E	V
					2 3 2



TARE -	19 400 kg
CARRYING CAPACITY -	42 500 kg
CAPACITY -	
MAX. SPEED -	60 miles/h
WHEELS -	982 DIA
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 510 x 350 OVAL HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	22 m
GEN. ARRG. DRG. No. -	SW/DE/ 35595
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SECONDARY COIL

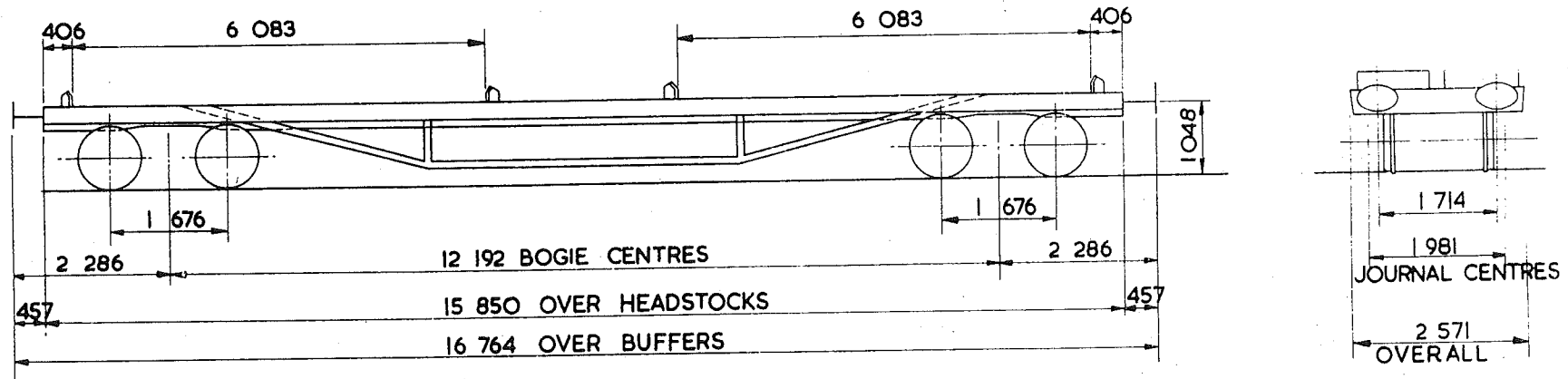
# CONFLAT 'E' WAGON

FEOOIC

LOT NUMBER
EX 3229

EXCESS LENGTH	7	H	M	L	E
tonnes	58	36	22	18	
VB	12	12	12	12	
AB					
RA	3	1	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No.		
F	E	V	F	E	V	L	2	20



TARE	19400 kg
CARRYING CAPACITY	42500 kg
CAPACITY	
MAX. SPEED	60 mile/h
WHEELS	952 DIA.
JOURNALS	124 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 610 x 356 OVAL HEADS
COUPLINGS	INSTANTER
MIN. CURVE	22 m
GEN. ARRGT. DRG. No.	SW/DE 35595
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SECONDARY COIL

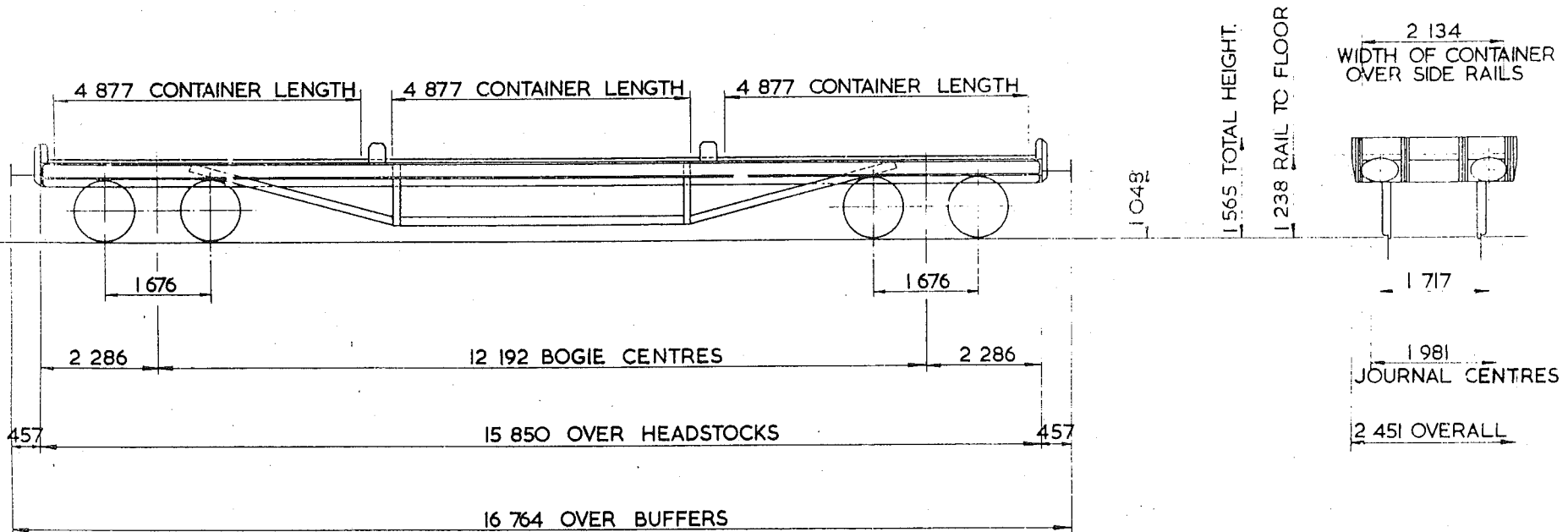
# CONFLAT 'E' WAGON

FEOOID

LOT NUMBER
EX 3229

EXCESS LENGTH	7	H	M	L	E
tonnes	39	34	34	18	
VB	12	12	12	12	
AB					
RA	2	1	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	E	V	F	E	V	E	2	3	2



TARE -	15 400kg
CARRYING CAPACITY -	42 500kg
CAPACITY -	
MAX. SPEED -	60 mile/h.
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS.

BUFFERS -	HYDRAULIC 610 x 356 OVAL HEADS.
COUPLINGS -	B.R. SCREW
MIN. CURVE -	22m.
GEN. ARRGT. DRG. No. -	SW DE 35595
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	PRIMARY COIL

# FREIGHTLINER INNER VEHICLE.

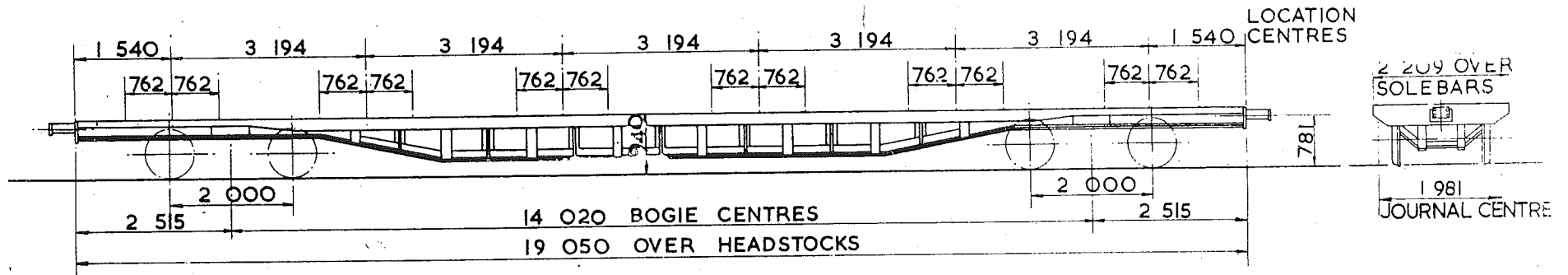
FFOOIA

LOT NUMBER
3499

EXCESS LENGTH	10	H	M	L	E
tonnes	70	51	33	19	
VB					
AB	56	44	25	12	
RA	5	2	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	F	A	F	F	A	F	E	W	P

7030



TARE - 18600kg.
CARRYING CAPACITY - 52000kg.
CAPACITY -
MAX. SPEED - 75 mile/h.
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER.
MIN. CURVE - 71m.
GEN. ARRGT. DRG. No. - DE 12291
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - SECONDARY COIL

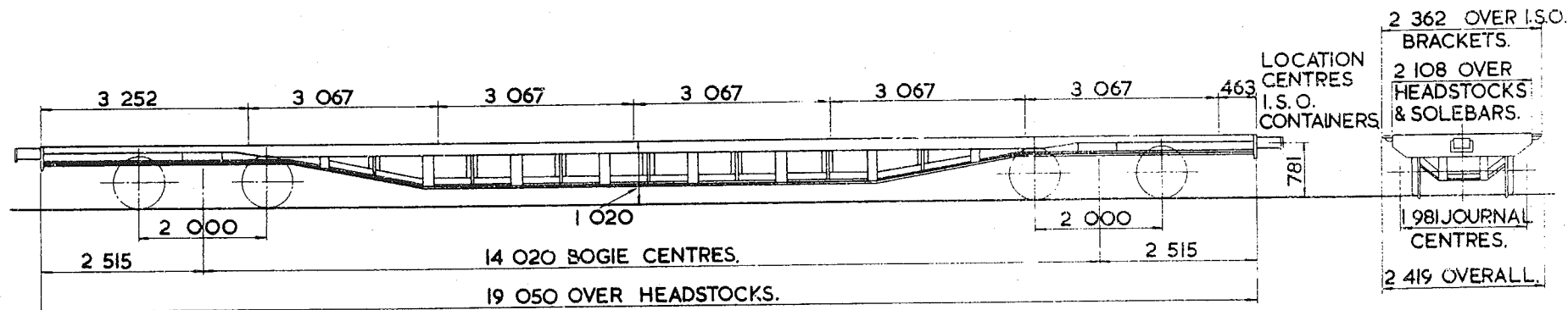
# FREIGHTLINER INNER VEHICLE

FF001B

LOT NUMBER	
3560	3618
3621	3626
3638	3653
PART 3652	

EXCESS LENGTH	H	M	L	E
tonnes	71	52	33	20
VB				
AB	47	35	17	6
RA	5	2	1	1
MAX SPEED	75	75	75	75

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
F	F	A F F A F
E	W	P



TARE - 19700 kg.
CARRYING CAPACITY - 52000 kg.
CAPACITY -
MAX. SPEED - 75 mile / h.
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS -
COUPLINGS - BAR COUPLER.
MIN. CURVE - 71 m.
GEN. ARRGT. DRG. No. - F-S-2403
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

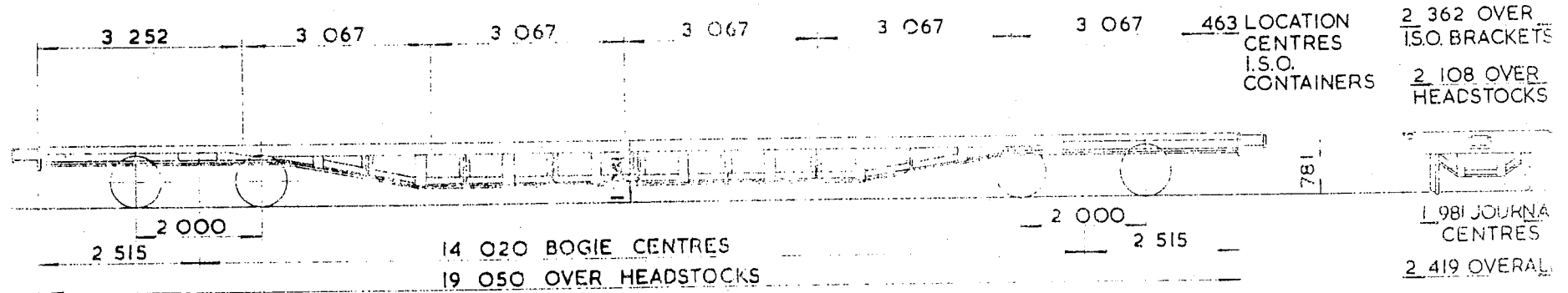
# FREIGHTLINER INNER VEHICLE

FFOIOC

LOT NUMBER
PART 3676
3689
3691
3712

EXCESS LENGTH	IO	H	M	L	E
tonnes		71	52	33	20
VB					
AB		54	40	21	8
RA		5	2	1	1
MAX SPEED		75	75	75	75

TOPS CODE	
CARKND	AARKND
FFA	FFAF-EWP



TARE - 19 700 Kg
CARRYING CAPACITY - 52 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 838 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - F-S-2403
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - COIL SPRINGS

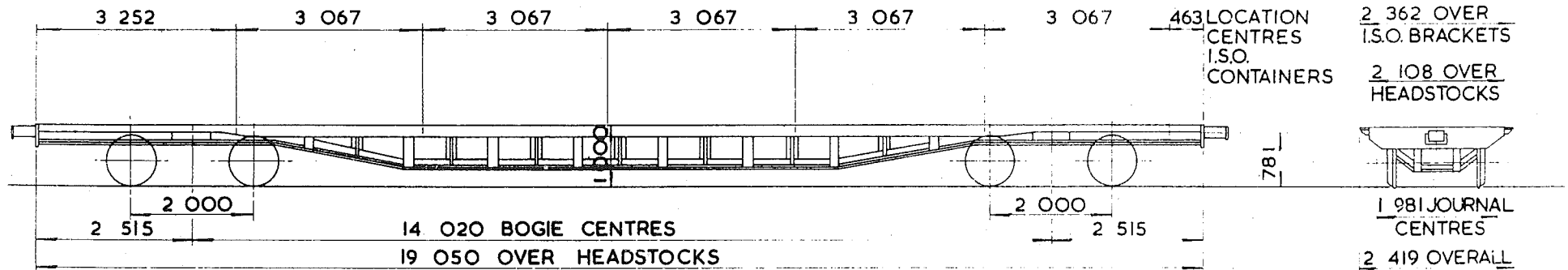
# FREIGHTLINER INNER VEHICLE

FFOOD

LOT NUMBER
3742
3766
3768
3806
3848

EXCESS LENGTH	O	H	M	L	E
tonnes		71	52	33	20
VB					
AB		54	40	21	8
RA		5	2	1	1
MAX. SPEED		75	75	75	75

TOPS CODE		
CARKND	AARKND	OPERATING PANEL N.
F	F A F F A F	E W P



TARE - 19700 kg
CARRYING CAPACITY - 52000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER
MIN. CURVE - 71m
GEN. ARRGT. DRG. No. - F-S-2403
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL





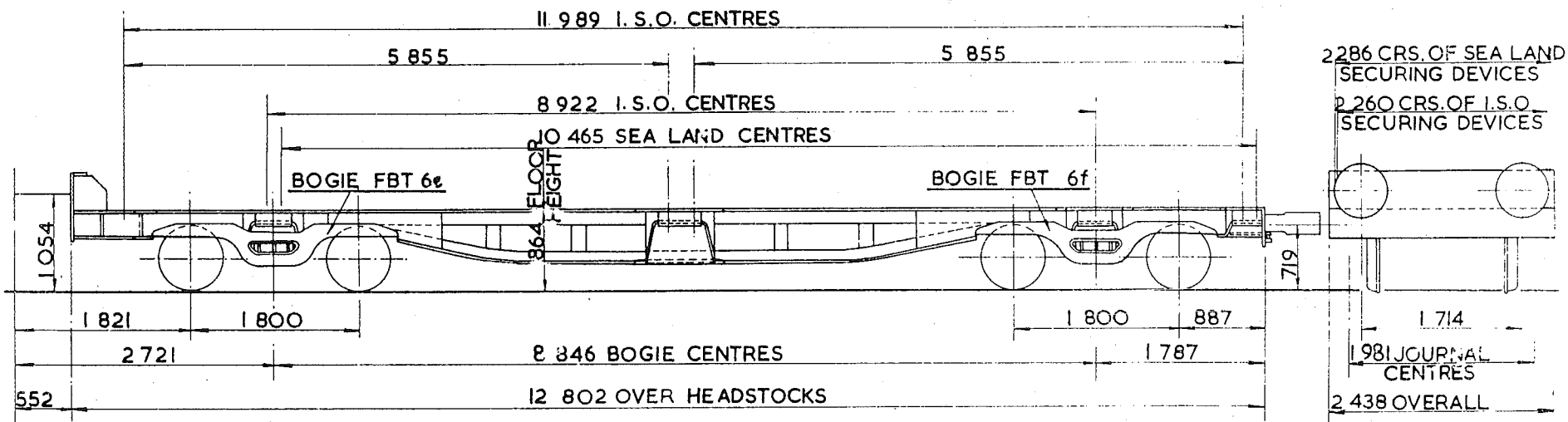
# LOWLINER OUTER VEHICLE

FG003A

LOT NUMBER
3729

EXCESS LENGTH 1/2	H	M	L	E
tonnes	64	46	28	16
V-B				
AB	40	32	20	12
RA	3	1	1	1
MAX. SPEED	75	75	75	75

TCPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	G	A	F	G	A	E	E	W	P



TARE - 15 700kg
CARRYING CAPACITY - 49 000kg
CAPACITY -
MAX. SPEED - 75 mile/h.
WHEELS - 724 DIA.
JOURNALS - 120 DIA. ROLLER BEARINGS

BUFFERS - PNEUMATIC 559 DIA. HEADS
COUPLINGS - SCREW COUPLING & BAR COUPLER
MIN. CURVE - 71m.
GEN. ARRGT. DRG.No. - F-S-3612.
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL

(PRIMARY)

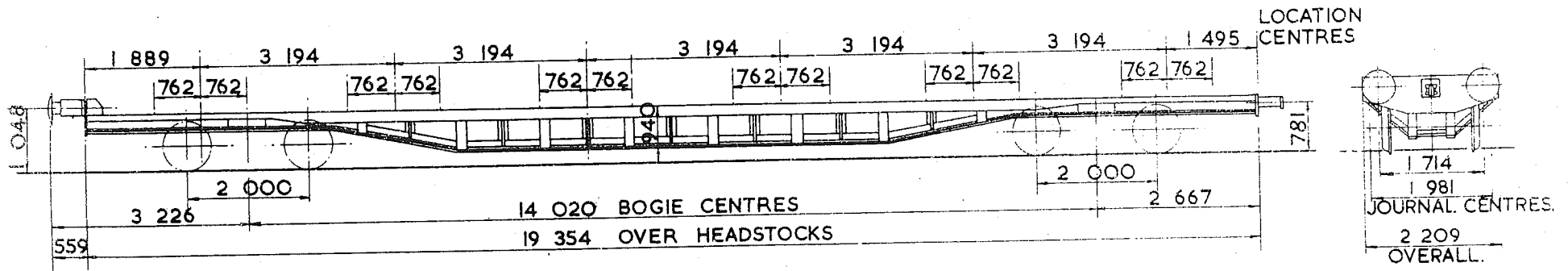
# FREIGHTLINER OUTER VEHICLE

FG004A

LOT NUMBER
3498

EXCESS LENGTH II	H	M	L	E
tonnes	70	51	33	19
VB				
AB	54	40	21	8
RA	5	2	1	1
MAX. SPEED	75	75	75	75

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No.	
F	G	A	F	G	A
F	F	G	A	F	E
					W
					P
7041					



TARE - 19300kg.
CARRYING CAPACITY - 52000kg.
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - PNEUMATIC. 559 DIA. HEADS.
COUPLINGS - OUTER END - SCREW INNER END - BAR COUPLER.
MIN. CURVE - 71m.
GEN. ARRGT. DRG. No. - DE12357
BRAKE - AIR DISC & HAND SCREW.
SUSPENSION - PRIMARY COIL.

# FREIGHTLINER OUTER VEHICLE

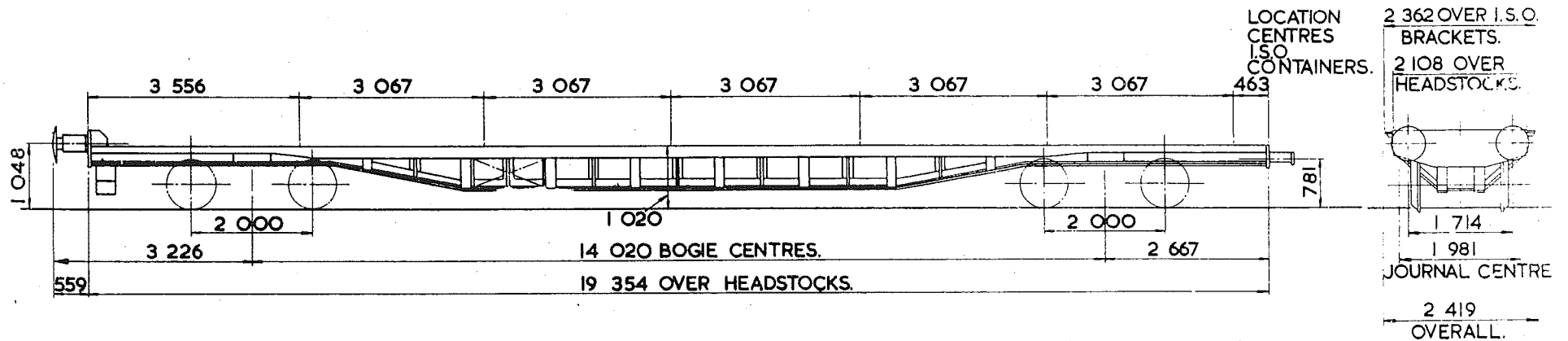
FG004B

LOT NUMBER
PART 3654

EXCESS LENGTH 11	H	M	L	E
tonnes	71	52	33	20
VB				
AB	54	40	21	8
RA	5	2	1	1
MAX. SPEED	75	75	75	75

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
F G A	F G A F	E W P

7019



TARE - 20200 kg.
CARRYING CAPACITY - 52000 kg.
CAPACITY -
MAX. SPEED - 75 mile/h.
WHEELS - 812 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - HYDRAULIC 559 DIA. HEADS
COUPLINGS - OUTER END - SCREW INNER END - BAR COUPLER.
MIN. CURVE - 71 m.
GEN. ARRGT. DRG. No. - F - S - 2323
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL.

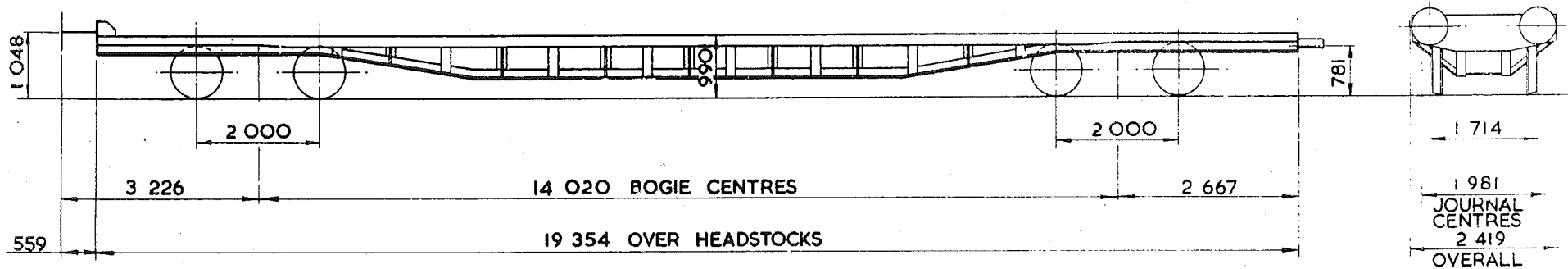
# FREIGHTLINER OUTER VEHICLE

FG004C

LOT NUMBER
<b>PART 3596</b>

EXCESS LENGTH	12	H	M	L	E
tonnes	71	52	33	20	
VB	0	0	0	0	
AB	47	35	17	6	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No.		
F	G	B	F	G	B	F	E	W
							7	0
							4	2



TARE --	22 000 kg
CARRYING CAPACITY --	52 000 kg
CAPACITY --	
MAX. SPEED --	75 mile / h
WHEELS --	838 DIA.
JOURNALS --	124 DIA. ROLLER BEARINGS

BUFFERS --	SELF CONTAINED 559 DIA. HEADS
COUPLINGS --	B.R. SCREW & BAR
MIN. CURVE --	71m
GEN. ARRGT. DRG. No. --	F-S-2323
BRAKE --	AIR DISC, VACUUM PIPED & HAND SCREW
SUSPENSION --	SECONDARY COIL

# FREIGHTLINER OUTER VEHICLE

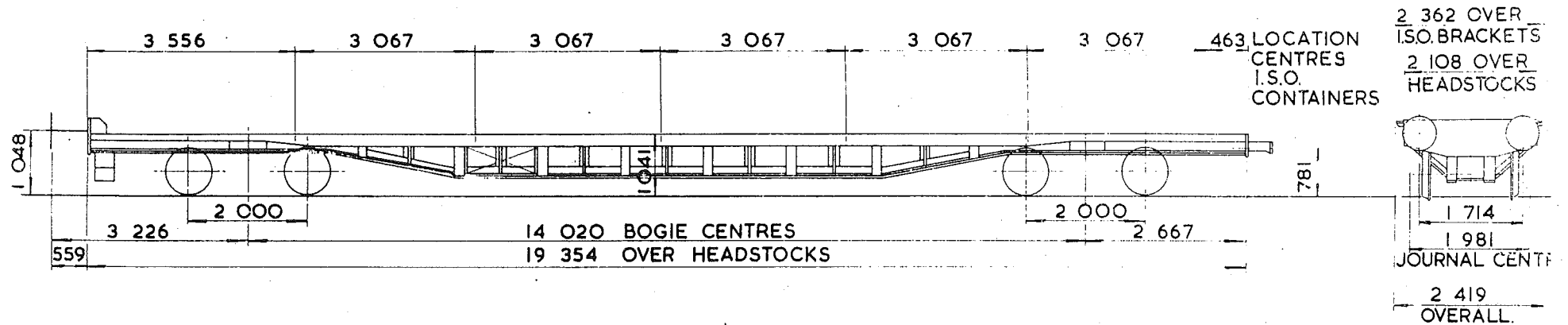
FG004D

LOT NUMBER
3675
3690
3692
3711

EXCESS LENGTH	12	H	M	L	E
tonnes	71	52	33	20	
VB					
AB	54	40	21	8	
RA	5	2	J	I	
MAX. SPEED	75	75	75	75	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
F	G	A	F	G	A
					E W P

7019



TARE - 20 <sup>200</sup> Kg
CARRYING CAPACITY - 52 <sup>000</sup> kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 838 DIA.
JOURNALS - 124 DIA. ROLLER BEARING

BUFFERS - PNEUMATIC 559 DIA. HEADS
COUPLINGS - OUTER END - SCREW COUPLING, INNER END - BAR COUPLER
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - F-S-2323
BRAKE - AIR DISC & HAND SCREW.
SUSPENSION - PRIMARY COIL.

# FREIGHTLINER OUTER VEHICLE

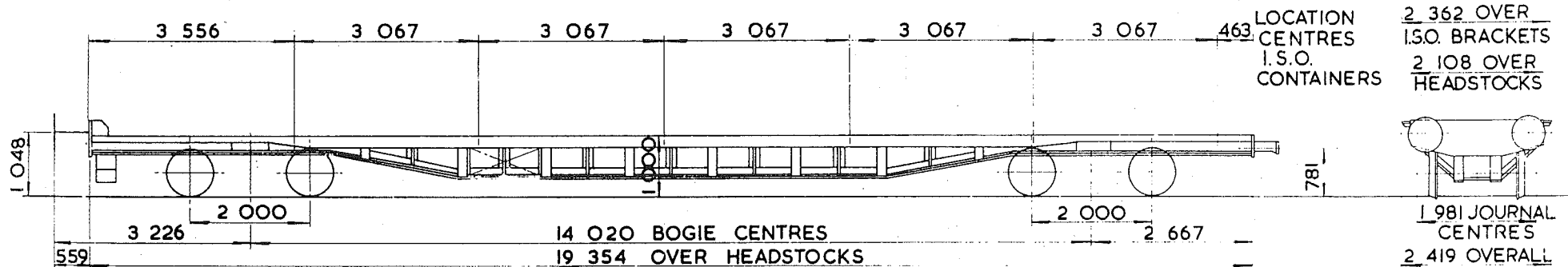
FG004E

LOT NUMBER
3718
3741
3765
3767
3807
3847

EXCESS LENGTH	2	H	M	L	E
tonnes	71	52	33	20	
VB					
AB	54	40	21	8	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
F	G	A	F	G	A
					E-W-P

7019



TARE - 20 200 kg
CARRYING CAPACITY - 52 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 812 DIA.
JOURNALS - 130 DIA. ROLLER BEARINGS

BUFFERS - PNEUMATIC 559 DIA. HEADS
COUPLINGS - OUTER END SCREW COUPLING, INNER END BAR COUPLER
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - DE 12472
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - PRIMARY COIL

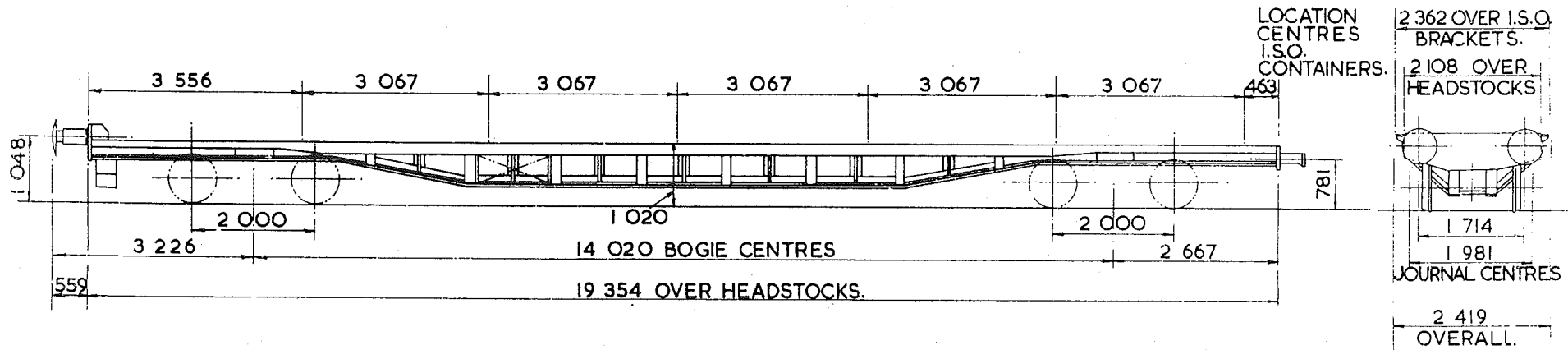
# FREIGHTLINER OUTER VEHICLE

FG004G

LOT NUMBER
3559
PART 3596
3602
3619
3622
3627
3639
PART 3654

EXCESS LENGTH	12	H	M	L	E
tonnes	71	52	33	20	
VB					
AB	47	35	17	6	
RA	5	2	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE							
CARKND	AARKND	SUPERIOR					
F	G	A	F	G	A		
					E	W	P
					7043		



TARE - 20 200 kg
CARRYING CAPACITY - 52 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h.
WHEELS - 812 DIA
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 559 DIA. HEADS
COUPLINGS - OUTER END - SCREW INNER END - BAR COUPLER.
MIN. CURVE - 71 m.
GEN. ARRGT. DRG. No. - F-S-2323
BRAKE - AIR DISC & HAND SCREW
SUSPENSION - SECONDARY COIL



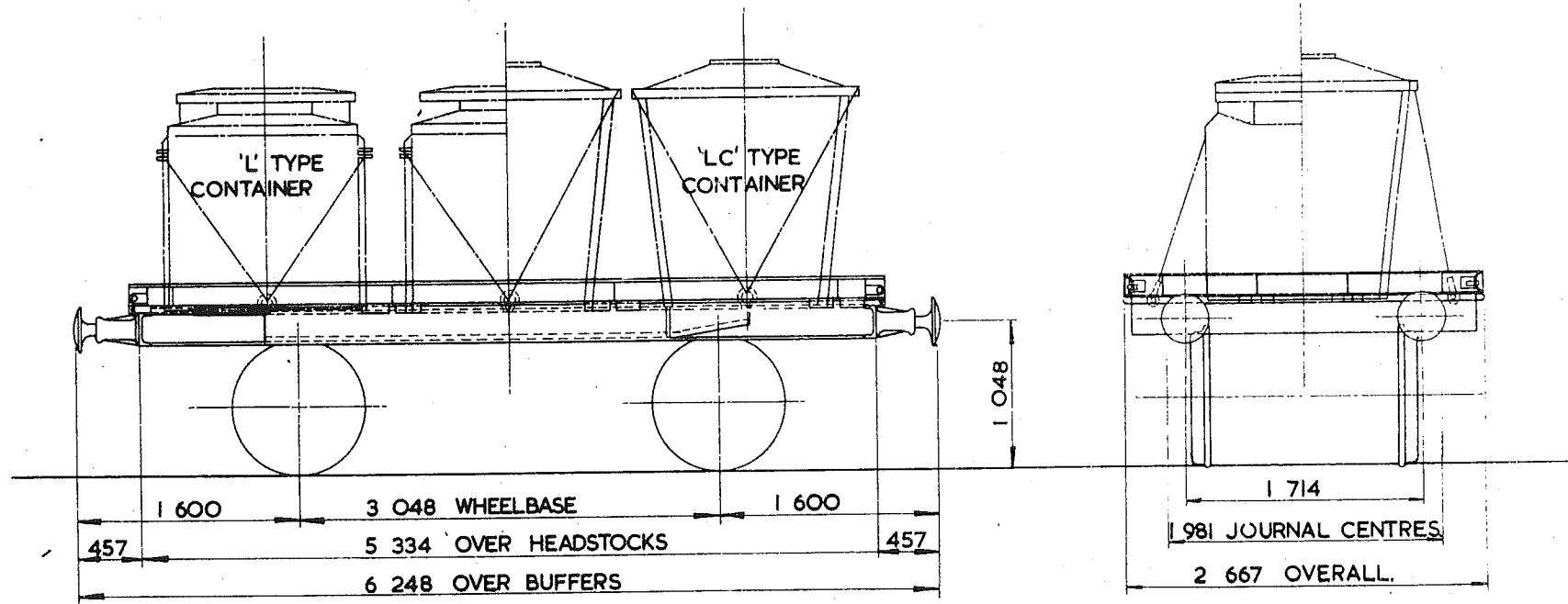
# CONFLAT 'L' WAGON

FLOOIA

LOT NUMBER
2489

EXCESS LENGTH	H	M	L	E
tonnes	17	15	10	7
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
F L	F L V L	I O I



TARE - 6 850 kg
CARRYING CAPACITY - 14 000 kg
CAPACITY -
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA
JOURNALS - 228 x 108 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m.
GEN. ARRGT. DRG. No. - SW/DN 19763
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE

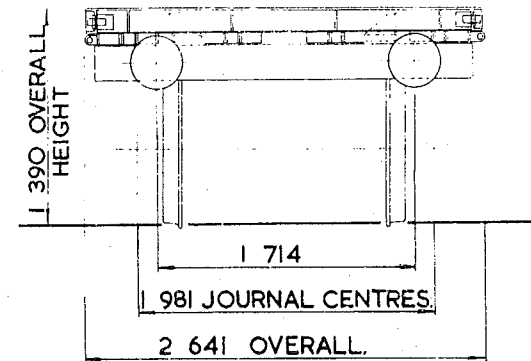
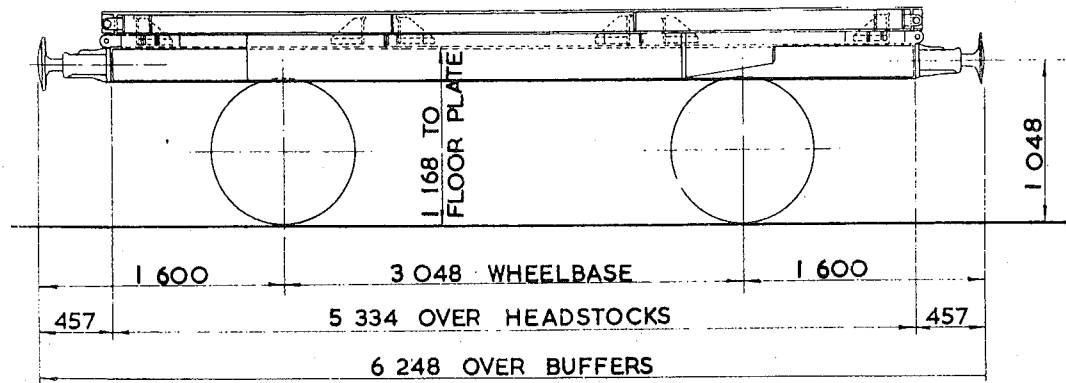
# CONFLAT 'L' WAGON

FLOOIB

LOT NUMBER
2671

EXCESS LENGTH	H	M	L	E
tonnes	17	15	10	7
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
F	L	V	F	L	V
L			L		



TARE -- 6 950kg.
CARRYING CAPACITY--14 000kg.
CAPACITY -
MAX. SPEED -- 45 mile/h
WHEELS -- 952 DIA.
JOURNALS -- 228 X 108 PLAIN BEARINGS

BUFFERS -- SPINDLE 330 DIA. HEADS
COUPLINGS -- INSTANTER
MIN. CURVE -- 21m
GEN. ARRGT. DRG. No. -- SW/DN 20597
BRAKE -- VACUUM BLOCK & HAND LEVER.
SUSPENSION -- SHOE

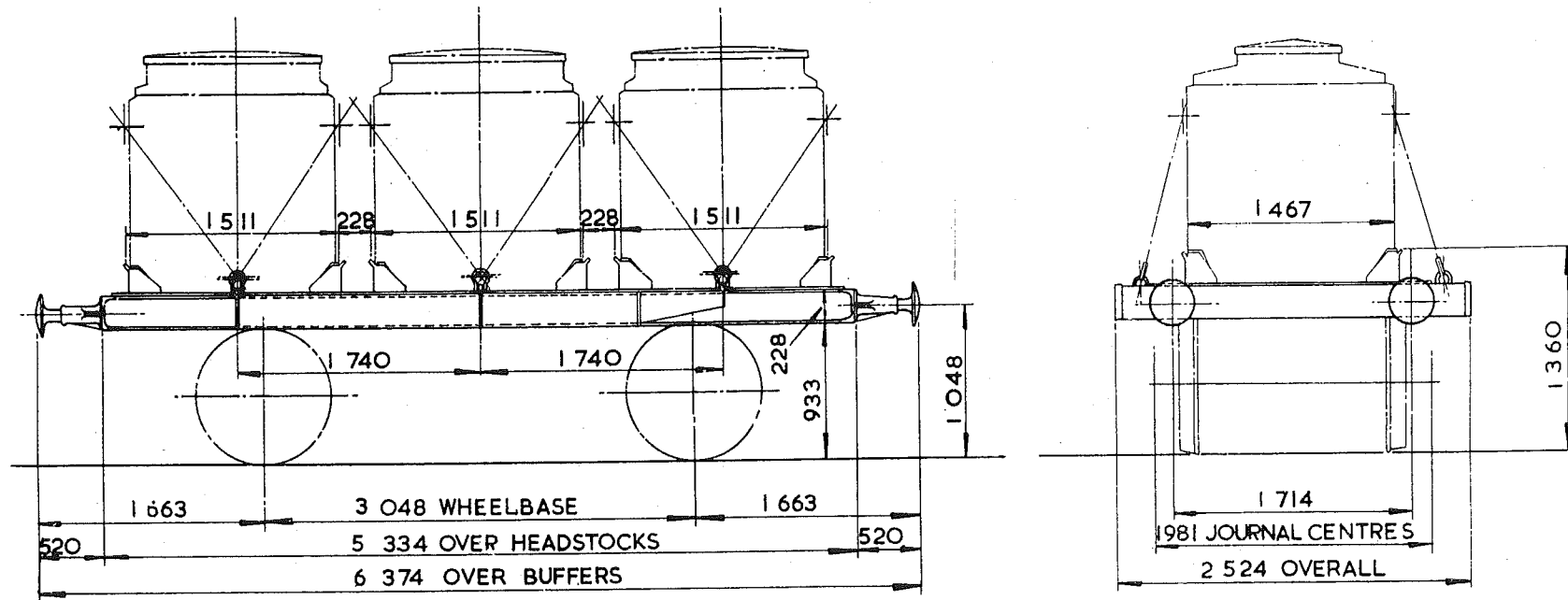
# CONFLAT 'L' WAGON

# FLOOIC

LOT NUMBER
2973
3108
3384
PART 2764
PART 2870

EXCESS LENGTH	H	M	L	E
tonnes	17	15	10	7
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX SPEED	45	45	45	45

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
FLV	FLVL	IOI



TARE - 6 000 kg
CARRYING CAPACITY- 14 000 kg
CAPACITY-
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228x109 PLAIN BEARINGS

BUFFERS- SPINDLE - 330 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/DN 20769 DN 22422
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE

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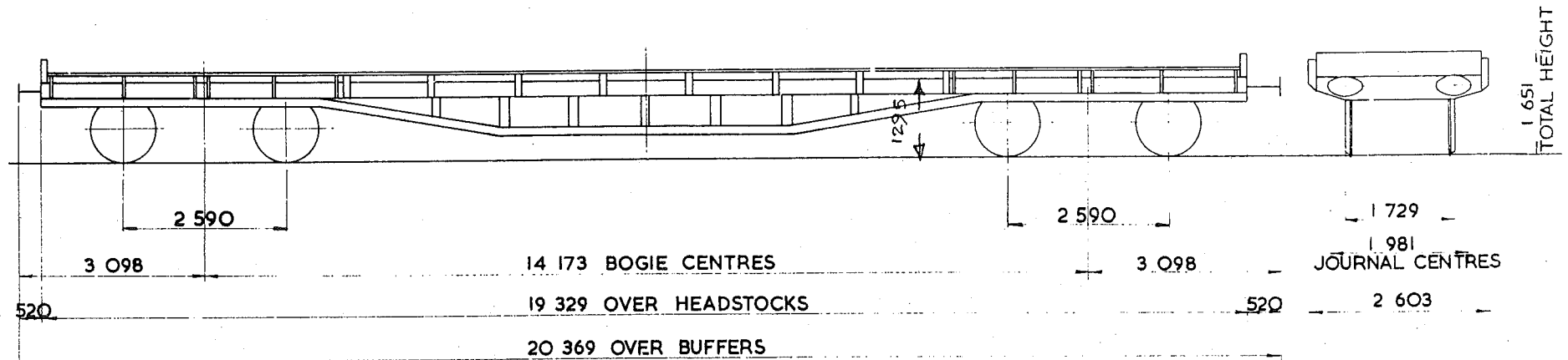
# CARFLAT WAGON

FV003B

LOT NUMBER
<del>PART 3679</del>
<del>PART 3867</del>
3831
3868

EXCESS LENGTH	I2	H	M	L	E
tonnes	32	30	26	23	
VB	11	11	11	11	
AB					
RA	1	1	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No.		
F	V	V	F	V	V	D	1	8 6



TARE - 23 500 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY
MAX. SPEED - 75 mile/h
WHEELS - 1067 DIA.
JOURNALS - 228 X 111 PLAIN BEARINGS

BUFFERS - PNEUMATIC 559 X 356 OVAL HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 61 m
GEN. ARRGT. DRG. No. - F-S-7503 & F-A1-7418
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - PRIMARY SPRING

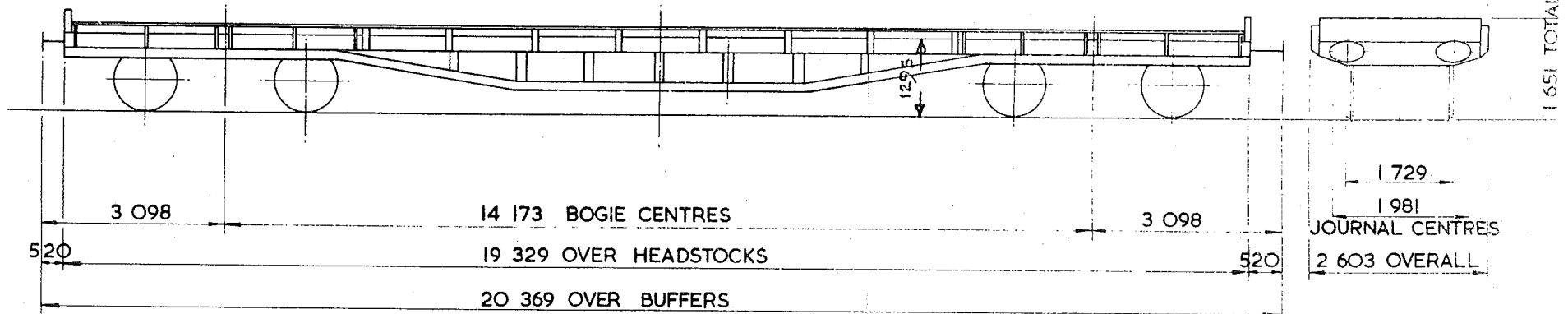
# CARFLAT WAGON

FV003C

LOT NUMBER
PART 3679

EXCESS LENGTH	12	H	M	L	E
	33	30	26	23	
VB	8	8	8	8	
AB					
RA	1	1	1	1	
MAX SPEED	90	90	90	90	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL
F V V	F V V D	2 8 3
3 0 3		



TARE -
CARRYING CAPACITY - 10000kg
CAPACITY -
MAX. SPEED - 90 mile/h
WHEELS - 1067 DIA.
JOURNALS - 228 x III PLAIN BEARINGS

BUFFERS - PNEUMATIC 559 x 356 OVAL HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 61m
GEN. ARRGT. DRG. No. - F-S-7503
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT

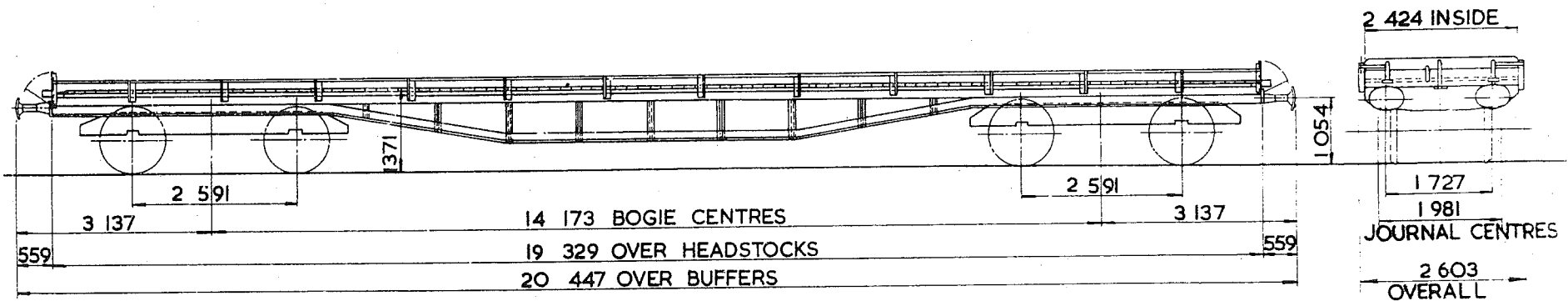
# CARFLAT WAGON

FV003D

LOT NUMBER
PART 3536

EXCESS LENGTH	2	H	M	L	E
tonnes	30	28	24	21	
VB	12	12	12	12	
AB					
RA	1	1	1	1	
MAX SPEED	75	75	75	75	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	V	V	F	V	V	D	1	8	2



TARE- 21050 kg.
CARRYING CAPACITY-10000 kg.
CAPACITY-
MAX. SPEED- 75 mile/h.
WHEELS- 1067 DIA.
JOURNALS- 228 x 117 PLAIN BEARINGS

BUFFERS- SHOCK ABSORBING 559x356 OVAL HEADS
COUPLINGS- B.R. SCREW.
MIN. CURVE-61m.
GEN. ARRGT. DRG No.- SW/SW 1271.
BRAKE-VACUUM BLOCK & HAND LEVER
SUSPENSION- EYEBOLT & AUXILIARY RUBBERS

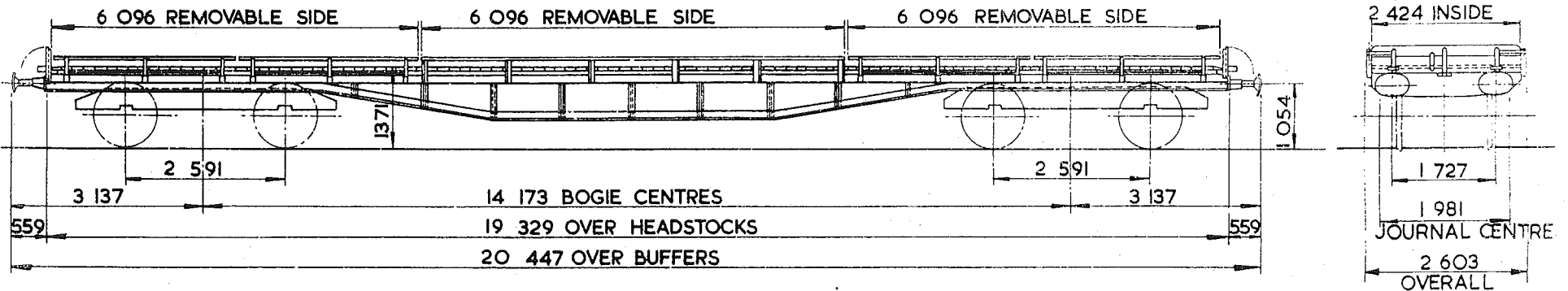
# CARFLAT WAGON

FV003E

LOT NUMBER
PART 3536

EXCESS LENGTH	2	H	M	L	E
tonnes	30	28	24	21	
VB	12	12	12	12	
AB					
RA	1	1	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No.		
F	V	V	F	V	V	D		1 8 2



TARE - 21 050 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 1 067 DIA.
JOURNALS - 228 x 117 PLAIN BEARINGS

BUFFERS - SHOCK ABSORBING 559x356 OVAL HEADS
COUPLINGS - B. R. SCREW
MIN. CURVE - 61 m
GEN. ARRGT. DRG. No. - SW/SW 1270
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT

# CARFLAT WAGON

FV003F

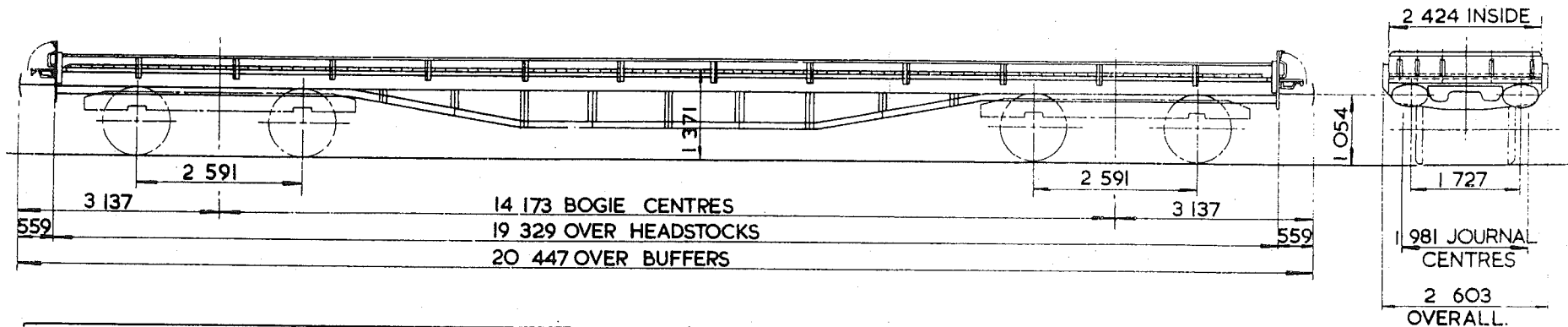
LOT NUMBER
PART 3715
PART 3758

EXCESS LENGTH	2	H	M	L	E
tonnes	33	30	26	23	
VB	8	8	8	8	
AB	8	8	8	8	
RA	1	1	1	1	
MAX. SPEED	<del>75</del>	<del>75</del>	<del>75</del>	<del>75</del>	

90 90 90 90

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
F V X	F V X D	2	3	7	

280



TARE - 23 400kg
CARRYING CAPACITY - 10 000kg
CAPACITY -
MAX. SPEED - <sup>90</sup> <del>75</del> mile/h
WHEELS - 1 067 DIA.
JOURNALS - 228x111 PLAIN BEARINGS

BUFFERS - SHOCK ABSORBING 559x336 OVAL HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 61m.
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM & AIR BLOCK & HAND LEVER.
SUSPENSION - EYEBOLT



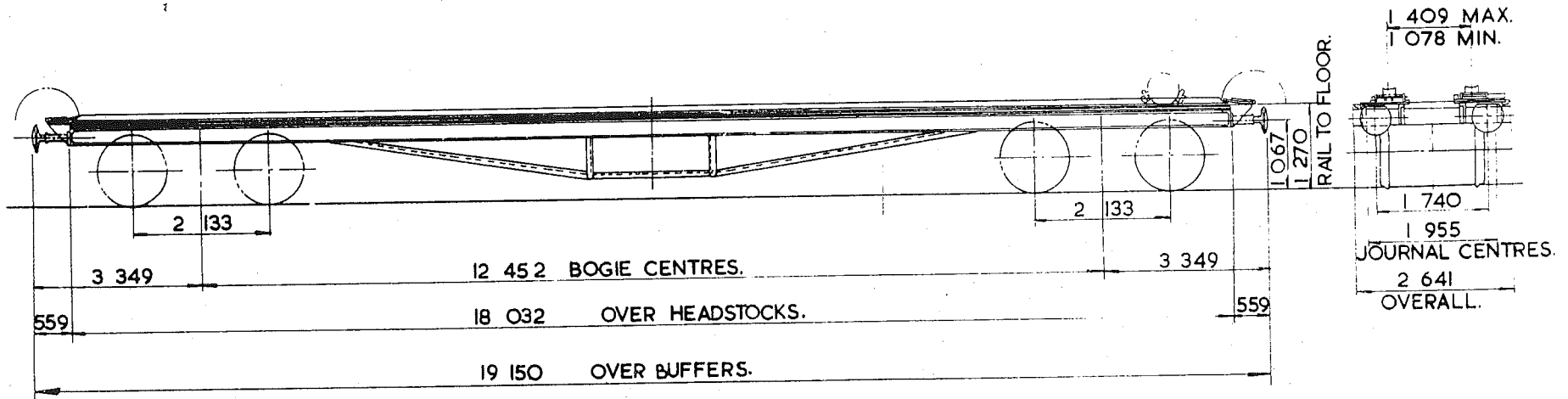
# CARFLAT WAGON

FV005A

LOT NUMBER
PART 3283

EXCESS LENGTH	H	M	L	E
tonnes	33	31	27	24
VB	II	II	II	II
AB				
RA	I	I	I	I
MAX SPEED	75	75	75	75

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No.		
F	V	V	F	V	V	D	I	87



TARE - 24 400 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 1104 DIA.
JOURNALS - 203 x 101 PLAIN BEARINGS.

BUFFERS - SPINDLE 508 DIA. HEADS
COUPLINGS - B.R. SCREW.
MIN. CURVE - 51m
GEN. ARRGT. DRG. No. - 141139 SW/SW/827.
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - EYEBOLT

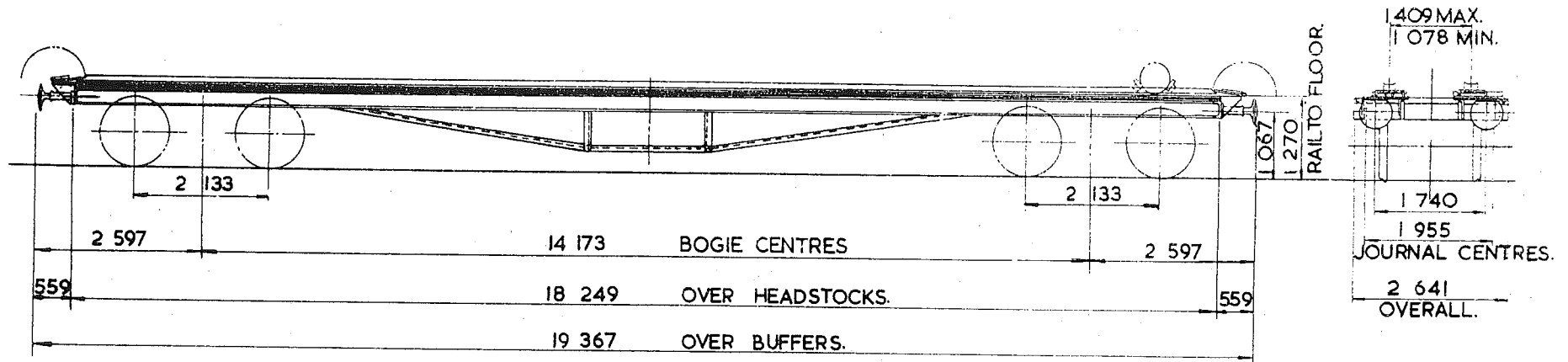
# CARFLAT WAGON

FV005B

LOT NUMBER
PART 3283

EXCESS LENGTH	H	M	L	E
tonnes	33	31	27	24
VB	II	II	II	II
AB				
RA	I	I	I	I
MAX SPEED	75	75	75	75

TOPS CODE									
CARKND		AARKND		OPERATING PANEL No.					
F	V	V	F	V	V	D	I	S	7



TARE - 24 400 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 110 4 DIA.
JOU R N A L S - 203 x 101 PLAIN BEARINGS.

BUFFERS - SPINDLE 508 DIA. HEADS
COUPLINGS - B. R. SCREW
MIN. CURVE - 51m
GEN. ARRGT. DRG. No. - 141139 & SW 1116
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - EYEBOLT

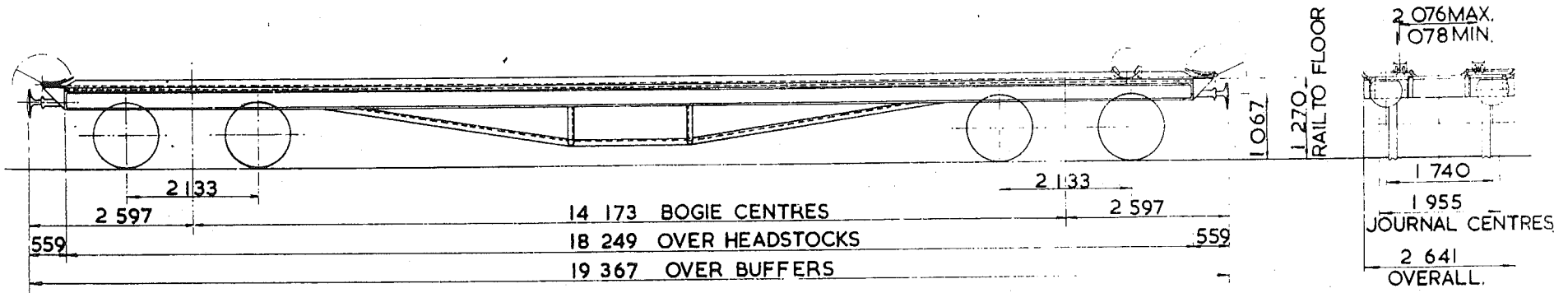
# CARFLAT WAGON

FV005C

LOT NUMBER
PART 3283

EXCESS LENGTH	H	M	L	E
tonnes	33	31	27	24
VB	II	II	II	II
AB				
RA	I	I	I	I
MAX. SPEED	75	75	75	75

TOPS CODE			
CARKND	AARKND	OPERATING PANEL No.	
F V V	F V V D	I	8 7



TARE - 24400kg.
CARRYING CAPACITY - 10000kg.
CAPACITY -
MAX. SPEED - 75mile/h.
WHEELS - 1104 DIA.
JOURNALS - 203x101 PLAIN BEARINGS.

BUFFERS - SPINDLE 508 DIA. HEADS
COUPLINGS - B. R. SCREW.
MIN. CURVE - 51m.
GEN. ARRGT. DRG No. - 141139 & SW 1116
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - EYEBOLT

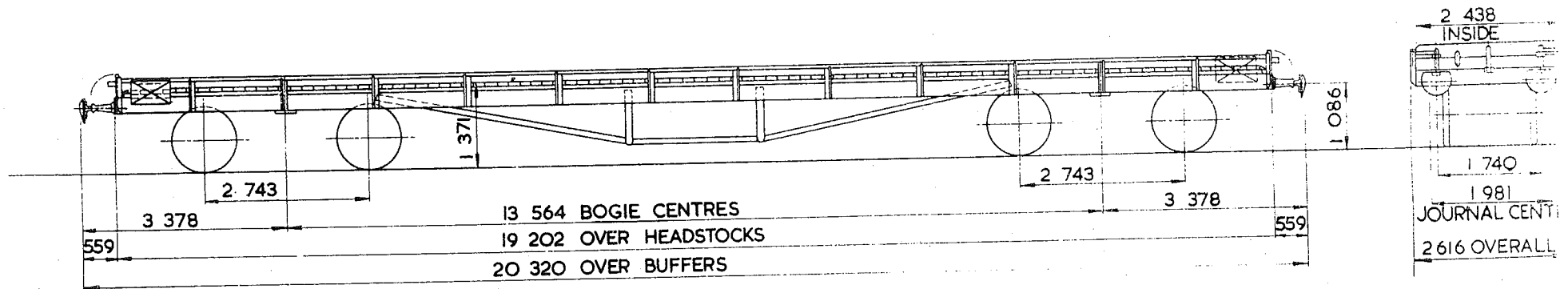
# CARFLAT WAGON

FV009A

LOT NUMBER
3587

EXCESS LENGTH	12	H	M	L	E
tonnes	31	29	25	22	
VB	II	II	II	II	
AB					
RA	I	I	I	I	
MAX. SPEED	75	75	75	75	

TOPS CODE										
CARKND		AARKND			OPERATING PANEL NO.					
F	V	V	F	V	V	D		I	8	4



TARE -- 22 <sup>300</sup> Kg.
CARRYING CAPACITY -- 10 <sup>000</sup> kg
CAPACITY --
MAX. SPEED -- 75 mile/h
WHEELS -- 1 067 DIA
JOURNALS -- 228 x 111 PLAIN BEARINGS

BUFFERS -- SHOCK ABSORBING 508 DIA. HEADS.
COUPLINGS -- BR SCREW
MIN. CURVE -- 61 m
GEN. ARRGT. DRG. No. --
BRAKE -- VACUUM BLOCK & HAND LEVER
SUSPENSION -- EYEBOLT

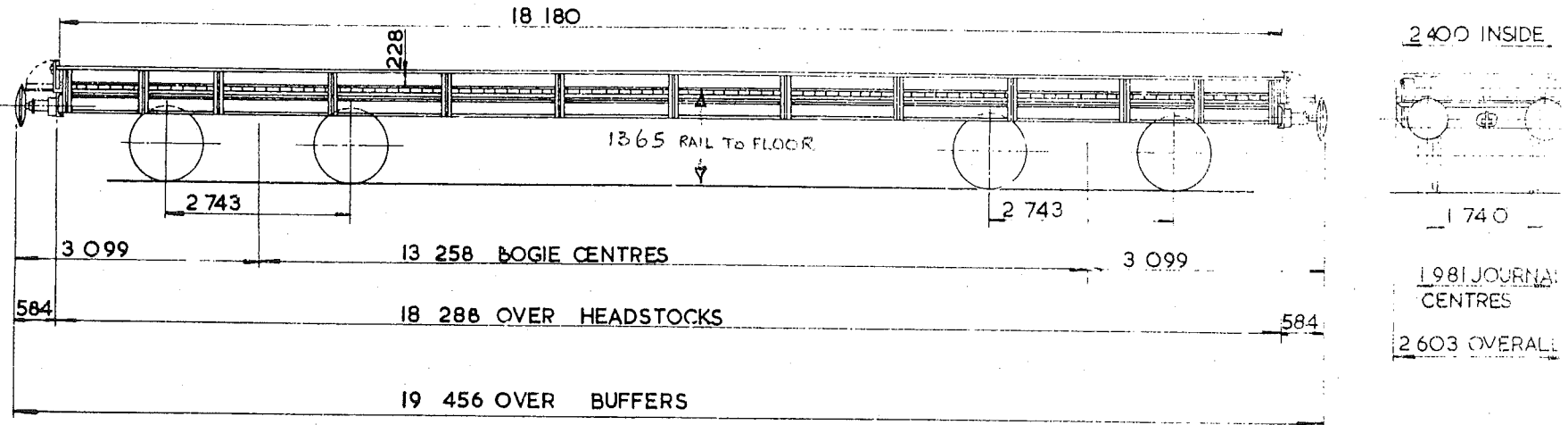
# CARFLAT WAGON

FVOIOA

LOT NUMBER	
PART 3532	PART 3533
3534	PART 3535
3542	PART 3543
3544	3548
3552	3553
3554	3562
PART 3563	PART 3564
3592	3599
PART 3637	3640
PART 3641	3642

EXCESS LENGTH	H	M	L	E
tonnes	32	30	26	23
VB	11	11	11	11
AB				
RA	1	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No.				
F	V	V	F	V	V	D		1	8	6



TARE- 23 700 kg
CARRYING CAPACITY- 10 000 kg
CAPACITY
MAX. SPEED - 75 mile/h
WHEELS - 1 067 DIA.
JOURNALS - 228 x 111 PLAIN BEARINGS.

BUFFERS- SHOCK ABSORBING. 610 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - DE 11487
BRAKE- VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT

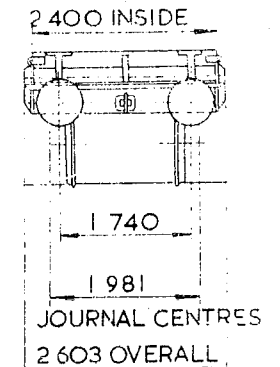
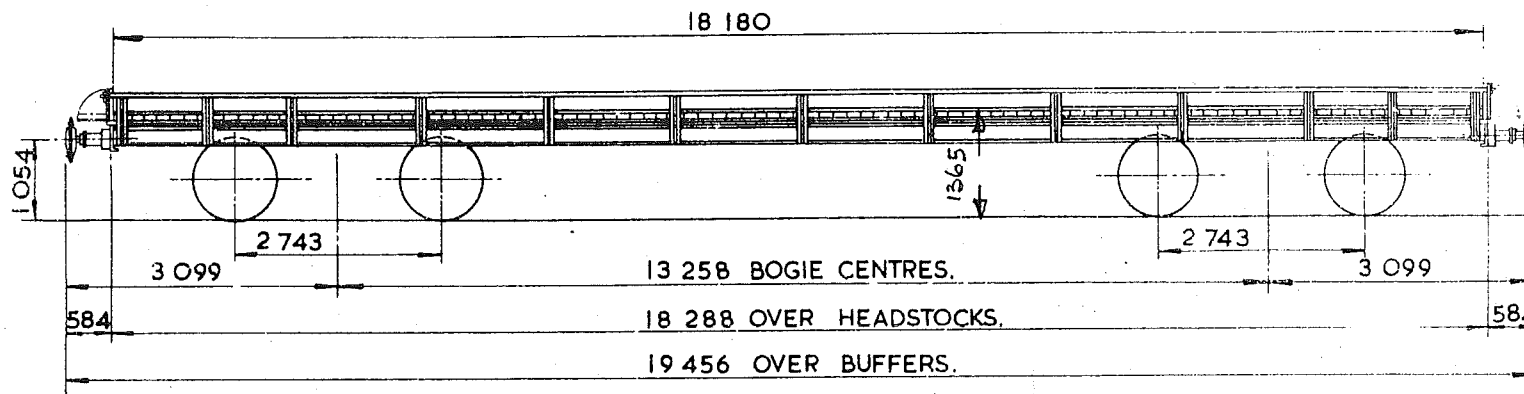
# CARFLAT WAGON

FVOIOB

LOT NUMBER
3588
3589

EXCESS LENGTH	H	M	L	E
tonnes	31	29	25	22
VB	11	11	11	11
AB	11	11	11	11
RA	1	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No.				
F	V	X	F	V	X	D	1	8	5



TARE - 22 100 kg to 22 400 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 1067 DIA.
JOURNALS - 228 x 111 PLAIN BEARINGS

BUFFERS - SHOCK ABSORBING 610 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 71 m
GEN. ARRGT. DRG. No. - DE/11487 DE/12503
BRAKE - AIR & VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT & AUXILIARY RUBBERS

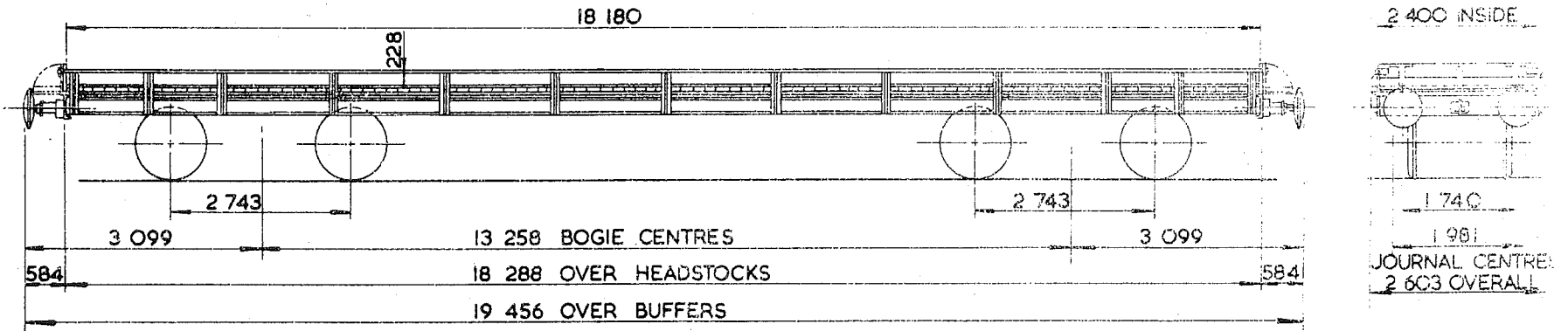
# CARFLAT. WAGON

FV010C

LOT NUMBER
3599
PART 3637

EXCESS LENGTH	H	M	L	E
tonnes	32	30	26	23
VB	11	11	11	11
AB				
RA	1	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
F V V	F V V	D	1	8	6



TARE -	23700 kg
CARRYING CAPACITY	10 000 kg
<b>CAPACITY</b>	
MAX. SPEED -	75 mile/h
WHEELS -	1 067 DIA.
JOURNALS -	111 DIA ROLLER BEARINGS

BUFFERS -	SHOCK ABSORBING 610 DIA. HEADS
COUPLINGS -	B.R. SCREW
MIN. CURVE -	71 m
GEN. ARRGT. DRG. No. -	DE 11487
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	EYEBOLT

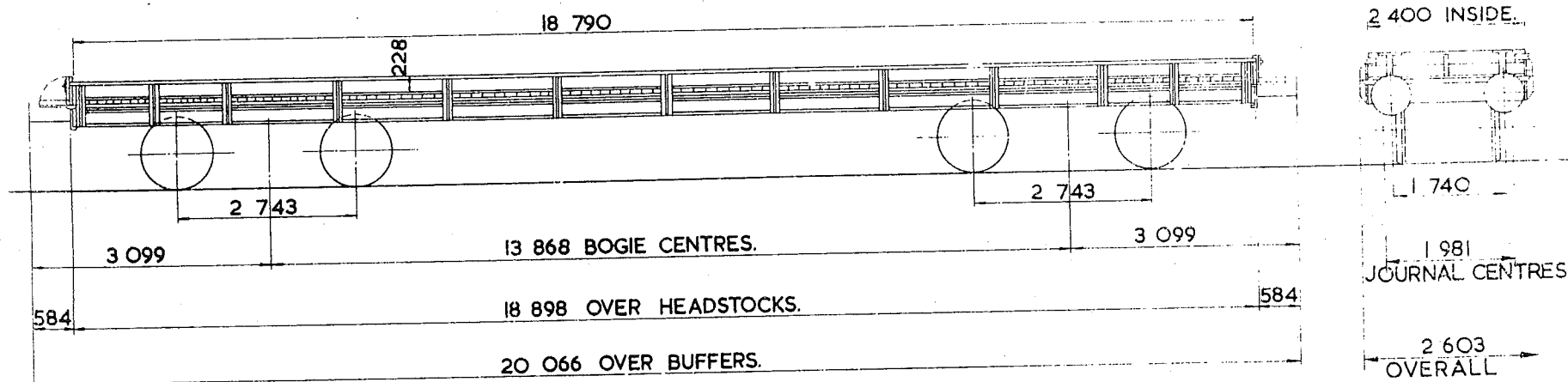
# CARFLAT WAGON

FVOIIB

LOT NUMBER
PART 3533

EXCESS LENGTH	12	H	M	L	E
tonnes	32	30	26	23	
VB	II	II	II	II	
AB	II	II	II	II	
RA	I	I	I	I	
MAX. SPEED	75	75	75	75	

TOPS CODE	
CARKND	AARKND
F V X F V X D	2 5 3



TARE 23700 kg.
CARRYING CAPACITY - 10 000 kg.
CAPACITY -
MAX. SPEED - 75 mile/h.
WHEELS - 1 O67 DIA.
JOURNALS - 228x111 PLAIN BEARINGS

BUFFERS - SHOCK ABSORBING 610 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 71 m.
GEN. ARRGT. DRG. No. DE 11487 B.
BRAKE - AIR & VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT.



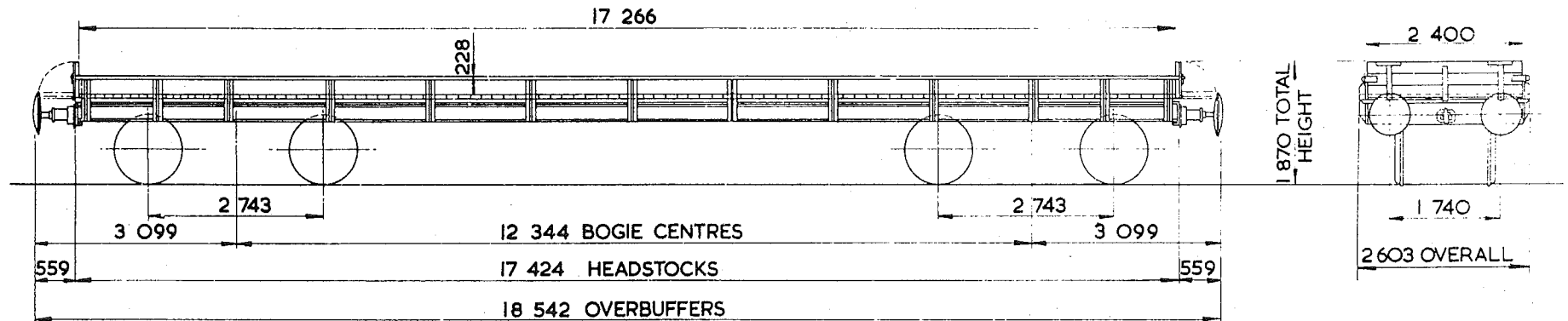
# CARFLAT WAGON

FVOI2A

LOT NUMBER
3305
3312
3320
3321

EXCESS LENGTH	9	H	M	L	E
tonnes	29	27	23	20	
VB	II	II	II	II	
AB					
RA	I	I	I	I	
MAX SPEED	75	75	75	75	

TOPS CODE					
CARKND	AARKND	OPERATING PART. N.			
F	V	V	F	V	D
					I 8 I



TARE - 19 800 kg to 20 400 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX SPEED 75 mile/h
WHEELS - 1067 DIA
JOURNALS - 228 x III PLAIN BEARINGS

BUFFERS - SHOCK ABSORBING 609 DIA HEADS
COUPLINGS - B.R. SCREW.
MIN. CURVE - 49 m
GEN. ARRGT. DRG. No DE/1487
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - EYEBOLT

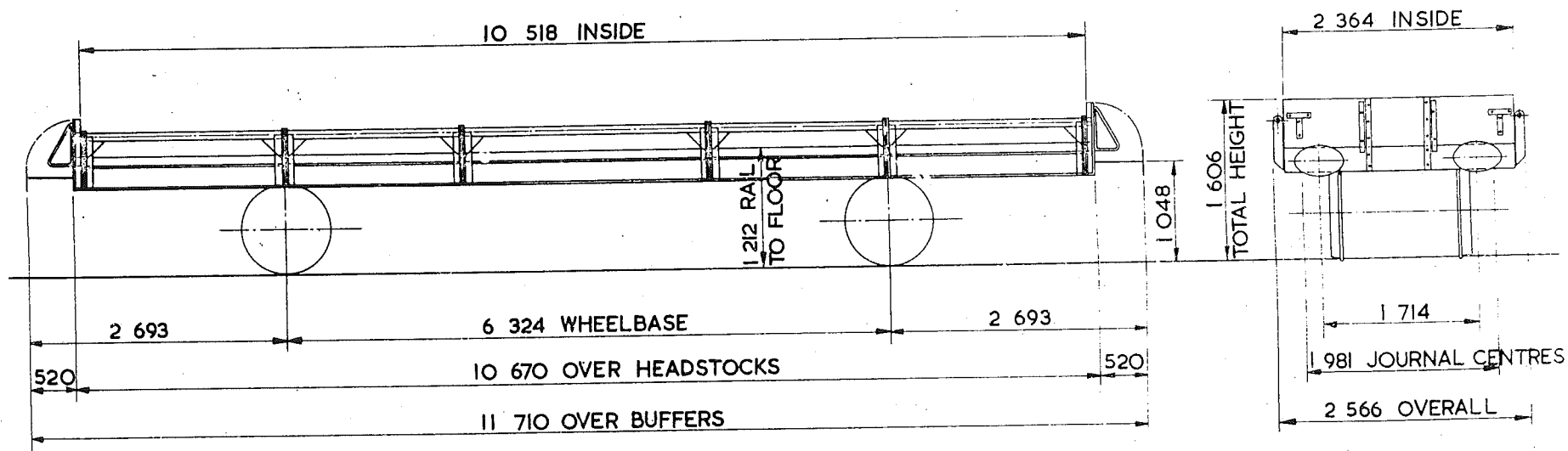
# CARFLAT

FVO14A

LOT NUMBER
<b>PART 3362</b>

EXCESS LENGTH	9	H	M	L	E
tonnes	30	25	16	11	
VB	9	9	9	9	
AB					
RA	3	1	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE					
CARKND	AARKND	OPERATING	PLAN		
F	V	V	F	V	Z
					3 0 4



TARE -	10 750 kg
CARRYING CAPACITY -	22 500 kg
CAPACITY -	
MAX. SPEED -	60 mile/h.
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	PNEUMATIC 610 x 356 OVAL HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	41 m
GEN. ARRGT. DRG. No. -	DN 29162 - DN 29047
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	EYEBOLT

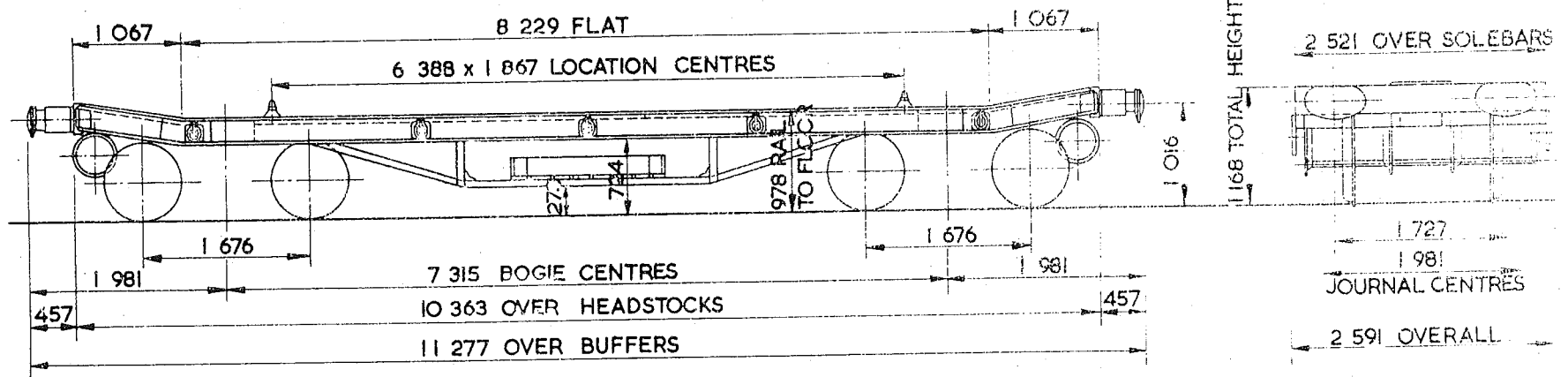
# CONFLAT 'C' WAGON

FZOOIA

LOT NUMBER
<b>3814</b>

EXCESS LENGTH	H	M	L	E
tonnes	54	39	25	16
VB	O	O	O	O
AB				
RA	2	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE			
CARKND	AARKND		
F Z P	F Z P C	SCV529	



TARE	15 400 kg
CARRYING CAPACITY	38 500 kg
CAPACITY	-
MAX. SPEED	50 mile/h
WHEELS	762 DIA.
AXLES	124 DIA. ROLLER BEARINGS

BUFFERS	SELF CONTAINED 610x336 OVAL HEADS
COUPLINGS	INSTANTER
MIN. CURVE	22 m
GEN. ARRGT. DRG. No.	-
BRAKE	VACUUM PIPED & HAND SCREW
SUSPENSION	SECONDARY COIL

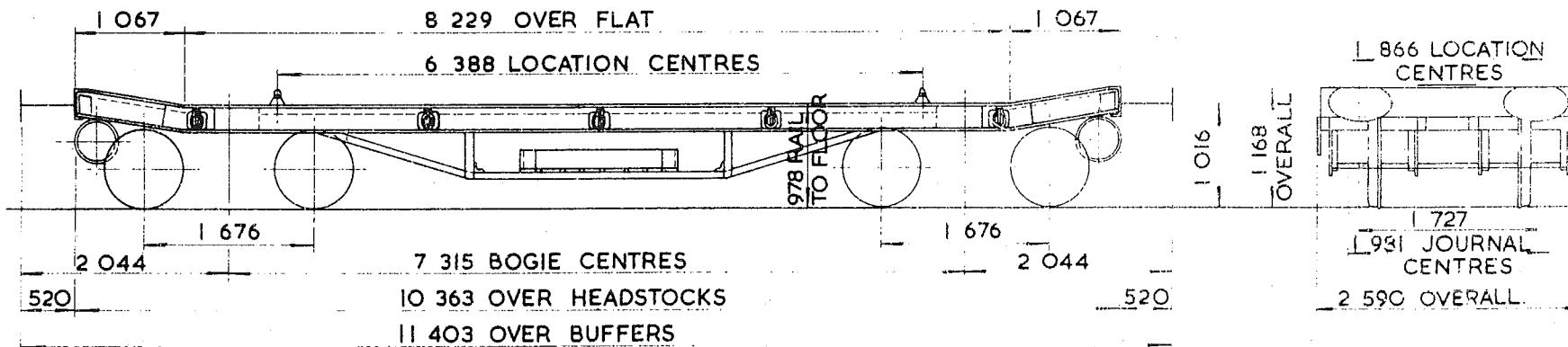
# CONFLAT 'C' WAGON

FZ002A

LOT NUMBER
EX 3299

EXCESS LENGTH	H	M	L	E
tonnes	54	39	25	16
VB	0	0	0	0
AB				
RA	2	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE								
CARKND			AARKND			OPERATING POINTS		
F	Z	P	F	Z	P	C	SCV	529



TARE - 15 400 kg.
CARRYING CAPACITY - 38 500 kg.
CAPACITY -
MAX. SPEED - 50 mile/h
WHEELS - 762 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SELF CONTAINED 610 x 336 OVAL HEAD
COUPLINGS - INSTANTER
MIN. CURVE - 22 m.
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM PIPED & HAND SCREW
SUSPENSION - SECONDARY COIL

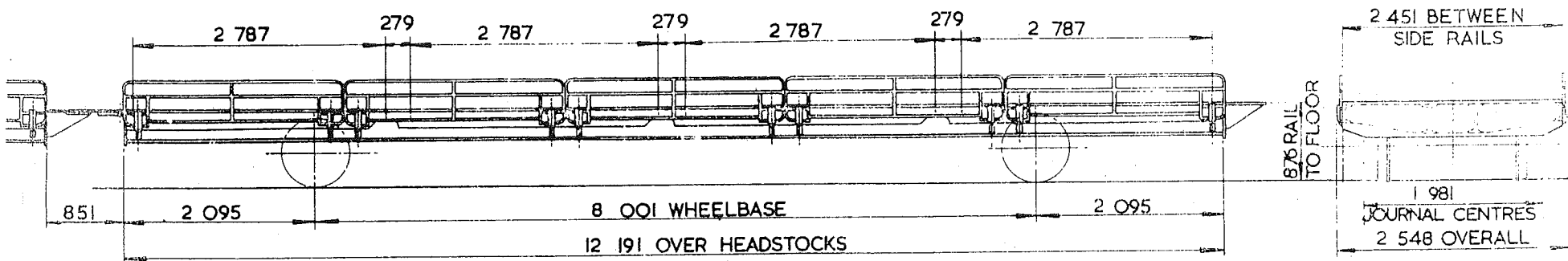
# LOWLINER INNER VEHICLE

FF003A

LOT NUMBER
3714

EXCESS LENGTH	O	H	M	L	E
tonnes	20	17	13	11	
V-B					
AB	13	11	9	7	
RA	1	1	1	1	
MAX. SPEED	75	75	75	75	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	F	A	F	F	A	C	E	W	P



TARE - 10 200 kg
CARRYING CAPACITY - 10 000 kg
CAPACITY -
MAX. SPEED - 75 mile/h
WHEELS - 762 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS -
COUPLINGS - BAR COUPLER.
MIN. CURVE - 51 m
GEN. ARRGT. DRG. No. -
BRAKE - AIR DISC & HAND LEVER.
SUSPENSION - LONG LINK, RUBBER AUXILIARIES

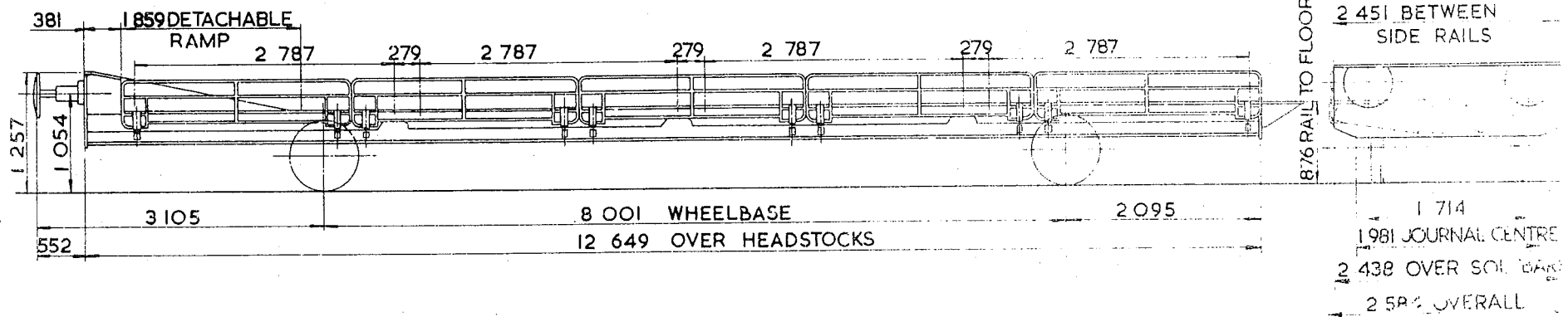
# LOWLINER OUTER VEHICLE.

FG001A (REV 1)

LOT NUMBER
3713

EXCESS LENGTH	H	M	L	E
tonnes	21	18	14	11
VB				
AB	13	11	9	7
RA	1	1	1	1
MAX. SPEED	75	75	75	75

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
F	G	A	F	G	A	C	E	W	P



TARE - 11025 kg.
CARRYING CAPACITY - 10000kg
CAPACITY -
MAX SPEED - 75 mile/h.
WHEELS - 762 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - PNEUMATIC 559 x 470 HEADS
COUPLINGS - SCREW - OUTER END BAR COUPLER - INNER END
MIN. CURVE - 51m
GEN. ARRGT. DRG No. -
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - LONG LINK, RUBBER AUXILIARIES

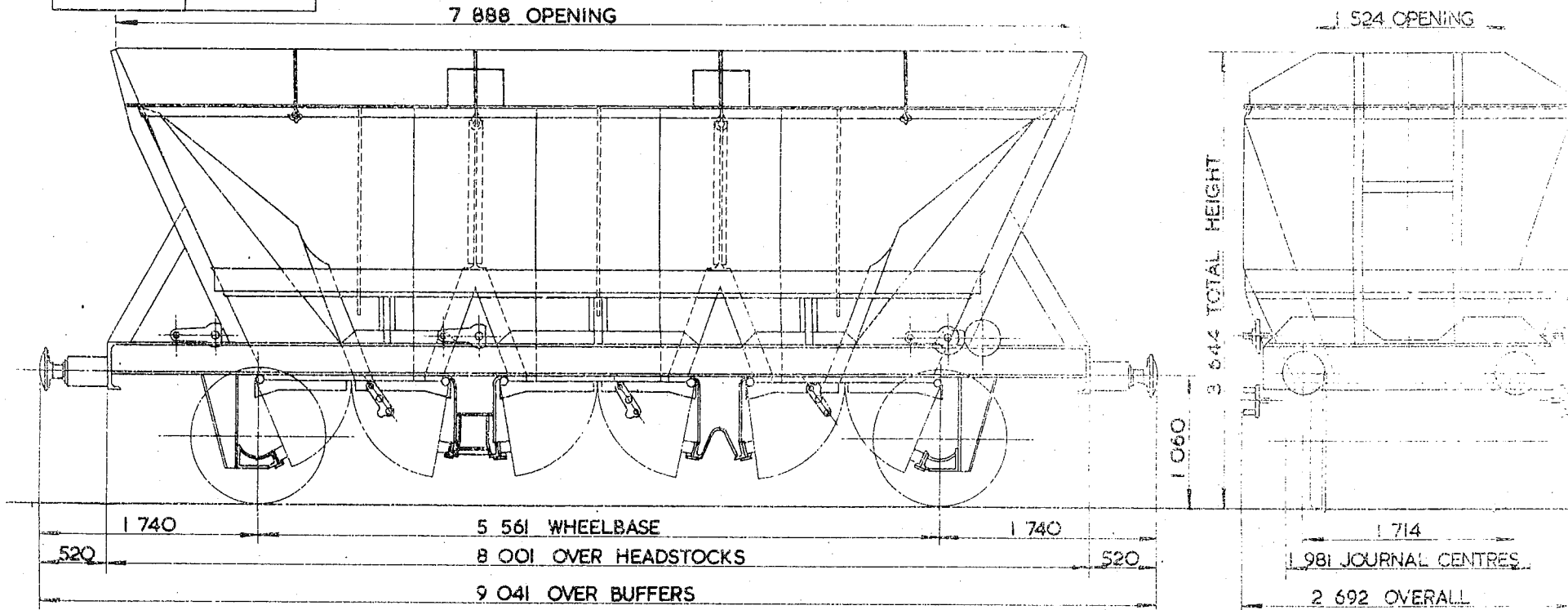
# HOPPER COAL WAGON

HAA001A

LOT NUMBER	
3495	
PART 3528	PART 3574
PART 3575	PART 3646
PART 3647	PART 3670

EXCESS LENGTH	5	H	M	L	E
tonnes	46	34	22	14	
VB					
AB	10	10	10	10	
RA	9	4	1	1	
MAX. SPEED	45	45	45	45	

TOPS CODE		
CARKND	AARKND	OPERATING
H 4 A	H A A M	2 B 5



TARE --	14200 kg
CARRYING CAPACITY --	32500 kg
CAPACITY --	40.323 m <sup>3</sup>
MAX. SPEED --	45 mile/h
WHEELS --	1 092 DIA
JOURNALS --	140 DIA ROLLER BEARINGS

BUFFERS	HYDRAULIC 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	41 m
GEN. ARRGT. DRG. No. --	DN 31940
BRAKE --	AIR DISC & HAND LEVER
SUSPENSION --	SINGLE LINK WITH 2 STRIKE AUXILIARIES

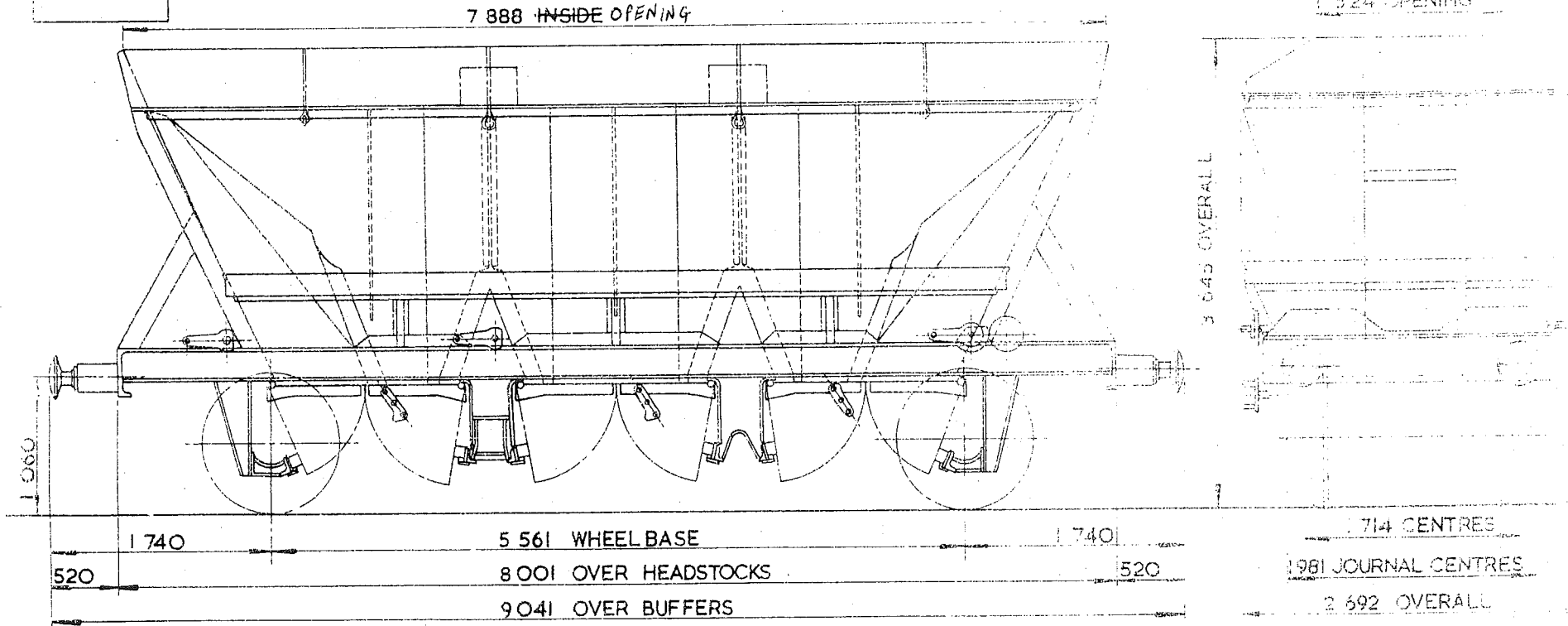
# HOPPER COAL WAGON

HA001B

LOT NUMBER
3645

EXCESS LENGTH 5	H	M	L	E
tonnes	42	33	21	13
VB				
AB	10	10	10	10
RA	7	4	1	1
MAX. SPEED	45	45	45	45

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No		
H	A	H	A	A
M	2	3	6	



TARE - 12 650 kg
CARRYING CAPACITY - 32 500 kg
CAPACITY - 40.323 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 1092 DIA.
JOURNALS - 140 DIA. ROLLER BEARINGS.

BUFFERS - HYDRAULIC 330 DIA. HEAD.
COUPLINGS - INSTANTER.
MIN. CURVE - 41m
GEN. ARRGT. DRG. No. - DN 533185.
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - SINGLE LINK WITH EYEBOLT ADJUSTMENT.



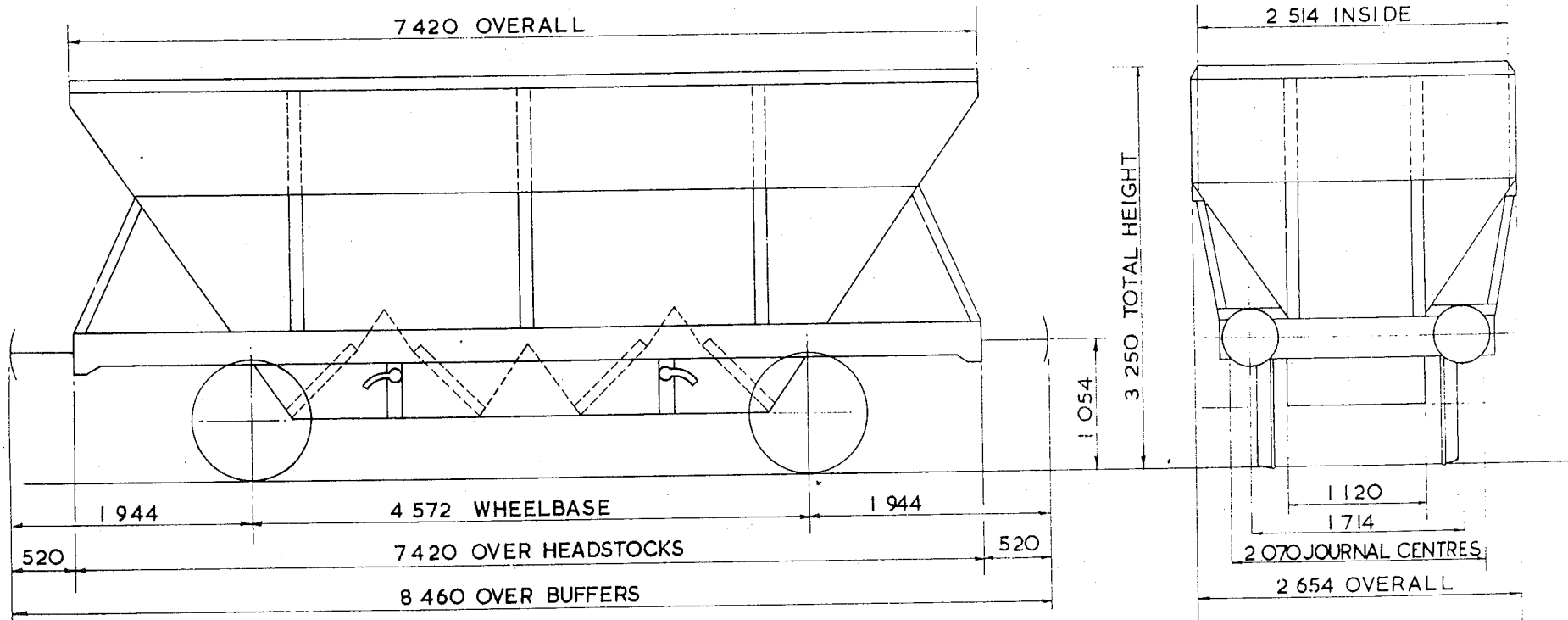
# MINERAL HOPPER WAGON (45 tonnes G.L.W.)

HB 001A

LOT NUMBER
3881

EXCESS LENGTH	H	M	L	E
tonnes				
VB				
AB	24	19	12	8
RA				
MAX. SPEED	60	60	60	60

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	B	A	H	B	A
G					



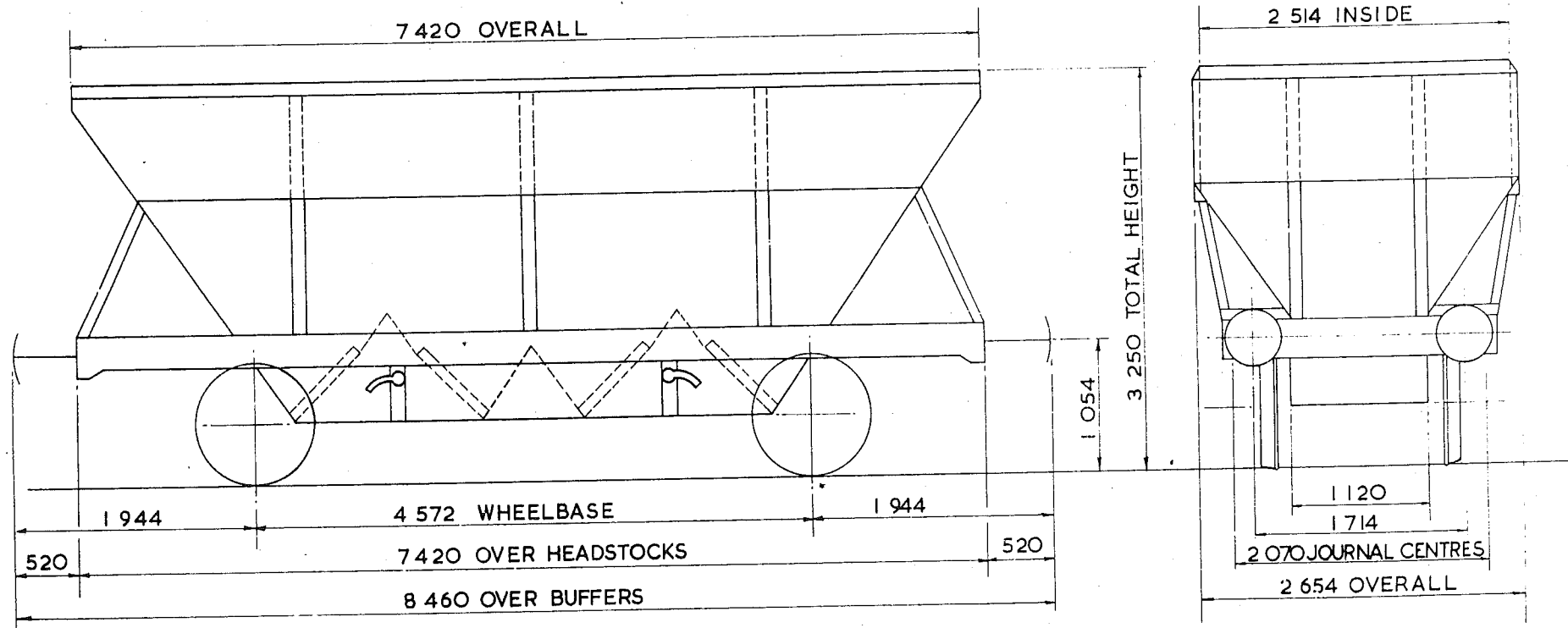
TARE - 13700kg
CARRYING CAPACITY- 31300kg
CAPACITY- 31000 m³
MAX. SPEED - 60 mile/h
WHEELS - 952 DIA.
JOURNALS - 150 DIA. ROLLER BEARINGS

BUFFERS - SELF CONTAINED 457 DIA HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRGT. DRG. No. - F-AO-10797
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - FRICTION LINK

NUMBER
3881

tonnes	15	15	22	12
VB				
AB	24	19	12	8
RA				
MAX. SPEED	60	60	60	60

CARKND	AARKND	OPERATING PANEL No
H B A H B A G		



TARE - 13700kg
CARRYING CAPACITY- 31300kg
CAPACITY- 31000 m³
MAX. SPEED - 60 mile/h
WHEELS - 952 DIA.
JOURNALS - 150 DIA. ROLLER BEARINGS

BUFFERS - SELF CONTAINED 457 DIA HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 31 m
GEN. ARRGT. DRG. No. - F-AO-10797
BRAKE - AIR DISC & HAND LEVER
SUSPENSION - FRICTION LINK

EX. B.R. DIAGRAM 140 (ALLOCATI

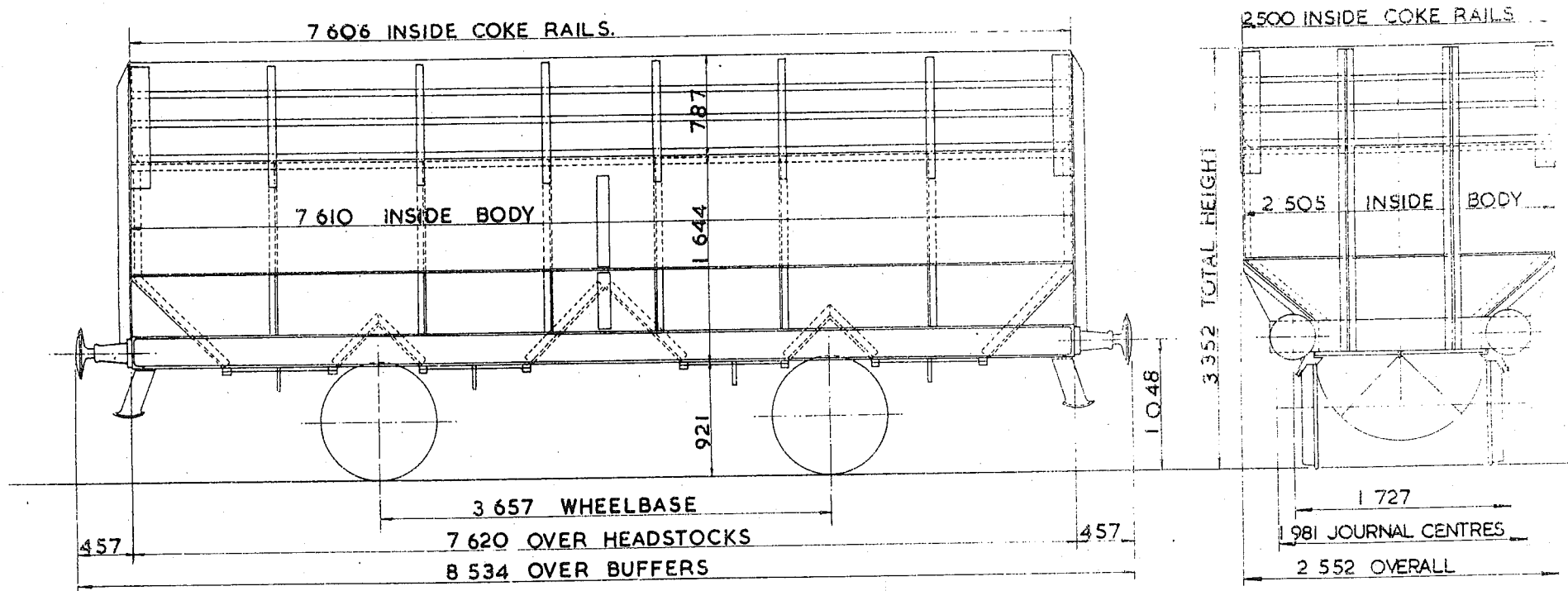
# HOPPER COKE WAGON

HCOOIA

LOT NUMBER
PART 2039

EXCESS LENGTH <sup>4</sup>	H	M	L	E
tonnes	30	30	17	12
VB				
AB				
RA	3	3	1	1
MAX. SPEED	50	50	50	50

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
H C Ø	H C Ø C			3 1



TARE - 11 800kg.
CARRYING CAPACITY - 20 500kg.
CAPACITY - 39.077 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254X127 PLAIN BEARINGS .

BUFFERS - SPINDLE 381 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26m
GEN. ARRGT. DRG.No. - 13/1363.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

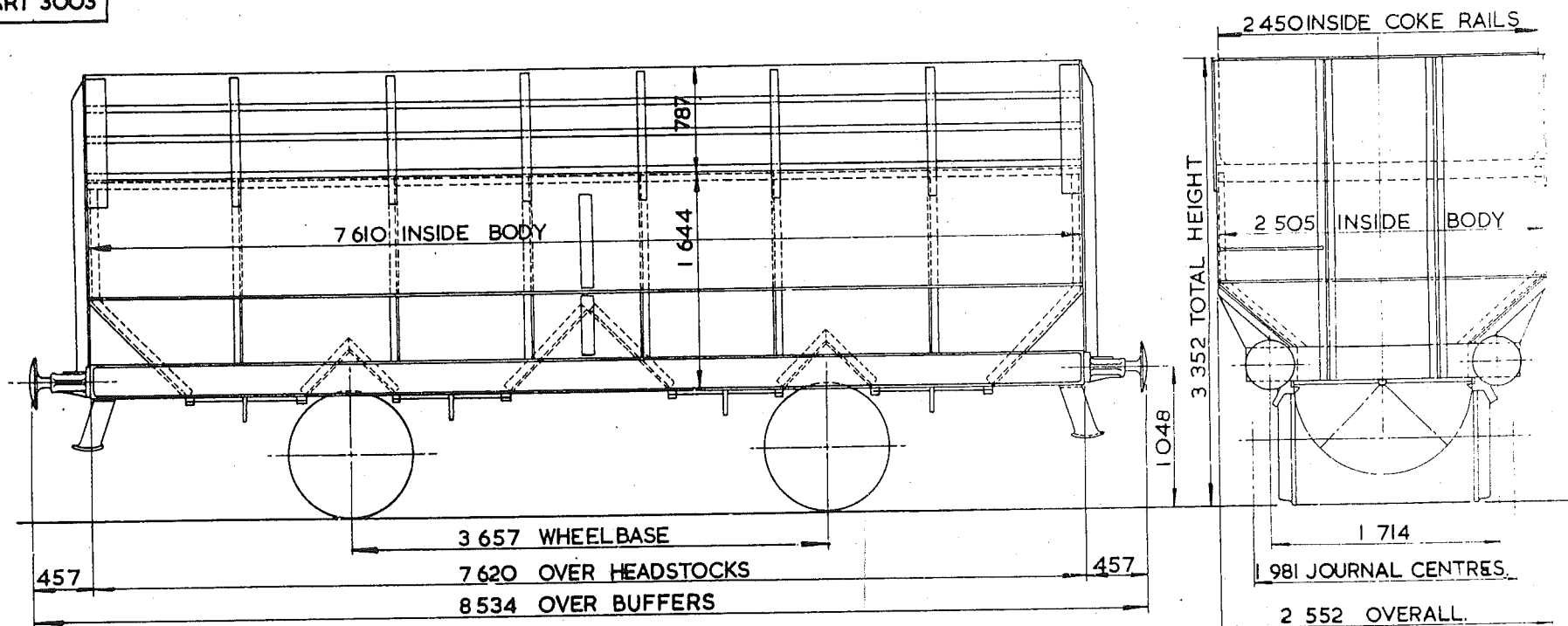
# HOPPER COKE WAGON

HC00IB

LOT NUMBER	
2198	2343
2474	2732
PART 2603	
PART 2859	
PART 3003	

EXCESS LENGTH <sup>4</sup>	H	M	L	E
tonnes	30	30	17	12
V-B				
AB				
RA	3	3	1	1
MAX. SPEED	50	50	50	50

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
H C	∅ H C	∅ C		3 1



TARE - 11450kg
CARRYING CAPACITY 20500kg
CAPACITY - 38.794 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - SW/DE/34379
BRAKE - HAND LEVER.
SUSPENSION - SHOE

EX B.R. DIAGRAM 151

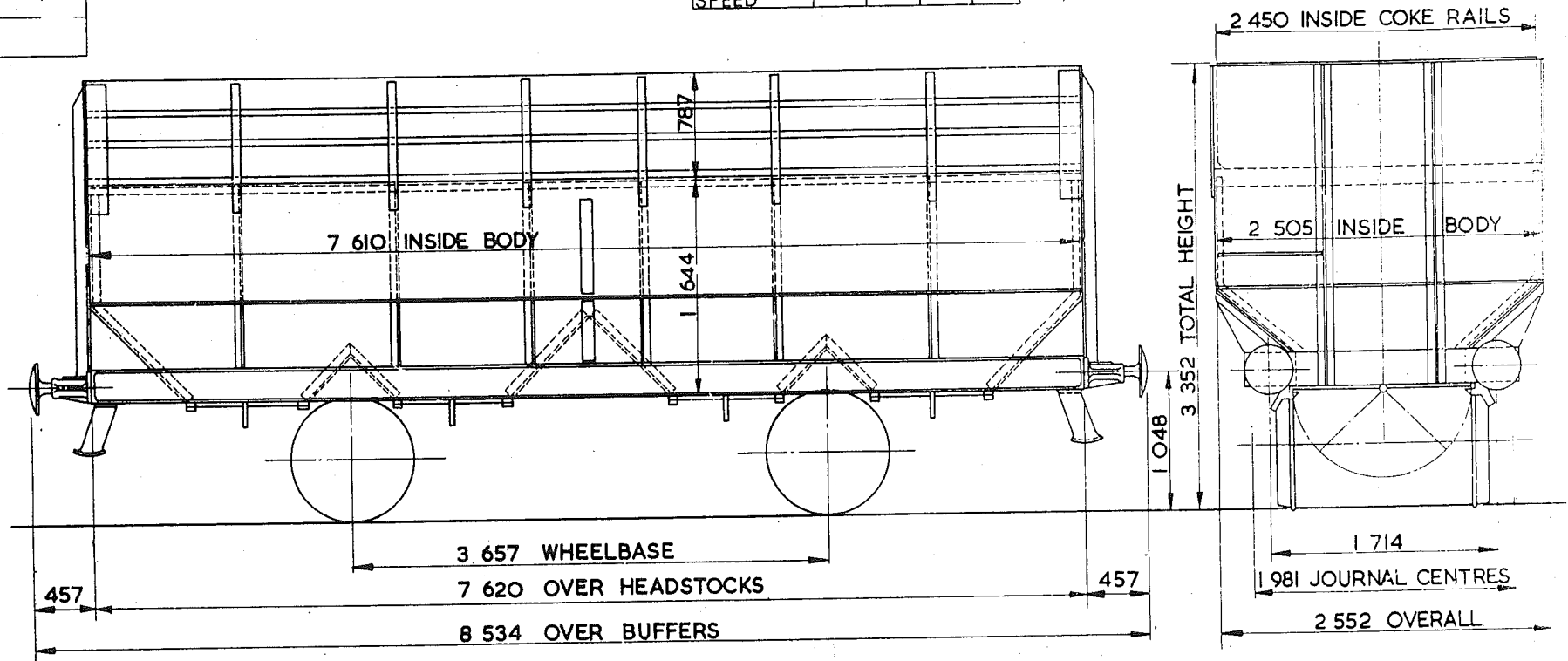
# HOPPER COKE WAGON

HCOOID

LOT NUMBER
PART 2603
PART 2859
PART 3003

EXCESS LENGTH	4	H	M	L	E
tonnes	30	30	17	12	
VB					
AB					
RA	3	3	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No.	
H	C	Ø	H	C	Ø
					3 1



TARE --	11 450 kg
CARRYING CAPACITY --	20 500 kg
CAPACITY --	38.794 m <sup>3</sup>
MAX. SPEED --	50 mile/h
WHEELS --	952 DIA.
JOURNALS --	124 DIA. ROLLER BEARINGS

BUFFERS --	SPINDLE 406 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	26m
GEN. ARRGT. DRG. No. --	SW/DE 34379
BRAKE --	HAND LEVER
SUSPENSION --	SHOE

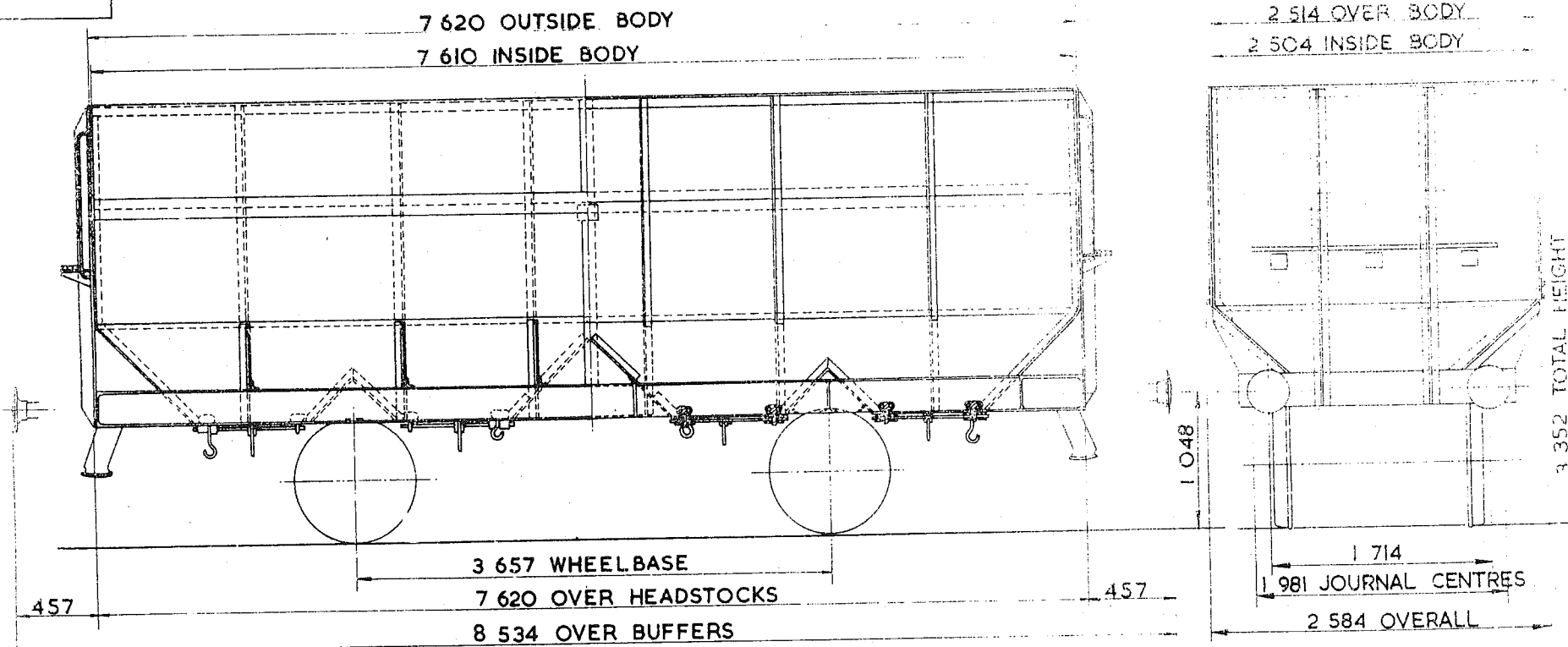
# HOPPER COKE WAGON

HCOO2A

LOT NUMBER
PART 3122

EXCESS LENGTH	H	M	L	E
tonnes	30	30	17	12
VB				
AB				
RA	3	3	1	1
MAX SPEED	50	50	50	50

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
H C Ø	H C Ø	C		
				31



TARE - 10 <sup>100</sup> kg.
CARRYING CAPACITY - 20 <sup>500</sup> kg.
CAPACITY - 39.077 m <sup>3</sup> .
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SPINDLE 406 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26m
GEN. ARRGT. DRG No. - DN.27667, DN.27907.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

EX.B.R. DIAGRAM 1/152

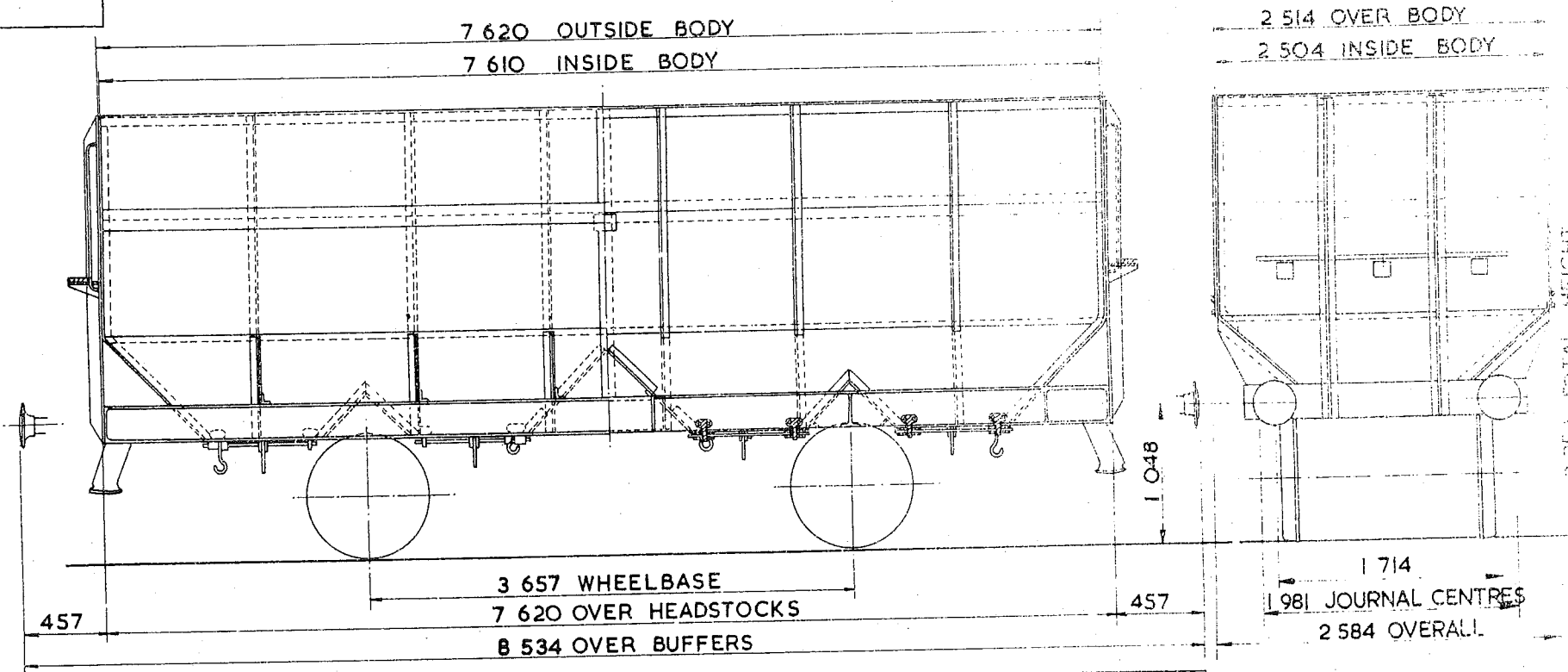
# HOPPER COKE WAGON

MCOU2D

LOT NUMBER
PART 3122

EXCESS LENGTH	H	M	L	E
tonnes	30	30	17	12
VB	0	0	0	0
-AB				
RA	3	3	1	1
MAX. SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
H	C	P	H	C	P
					3 2



TARE - 11800kg
CARRYING CAPACITY - 20500kg
CAPACITY - 39.077m <sup>3</sup>
MAX. SPEED - 50mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SPINDLE 457 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26 m.
GEN. ARRGT. DRG No. - DN 27667 DN 27907
BRAKE - VACUUM PIPED & HAND LEVER
SUSPENSION - SHOE.

EX.B.R. DIAGRAM I/15

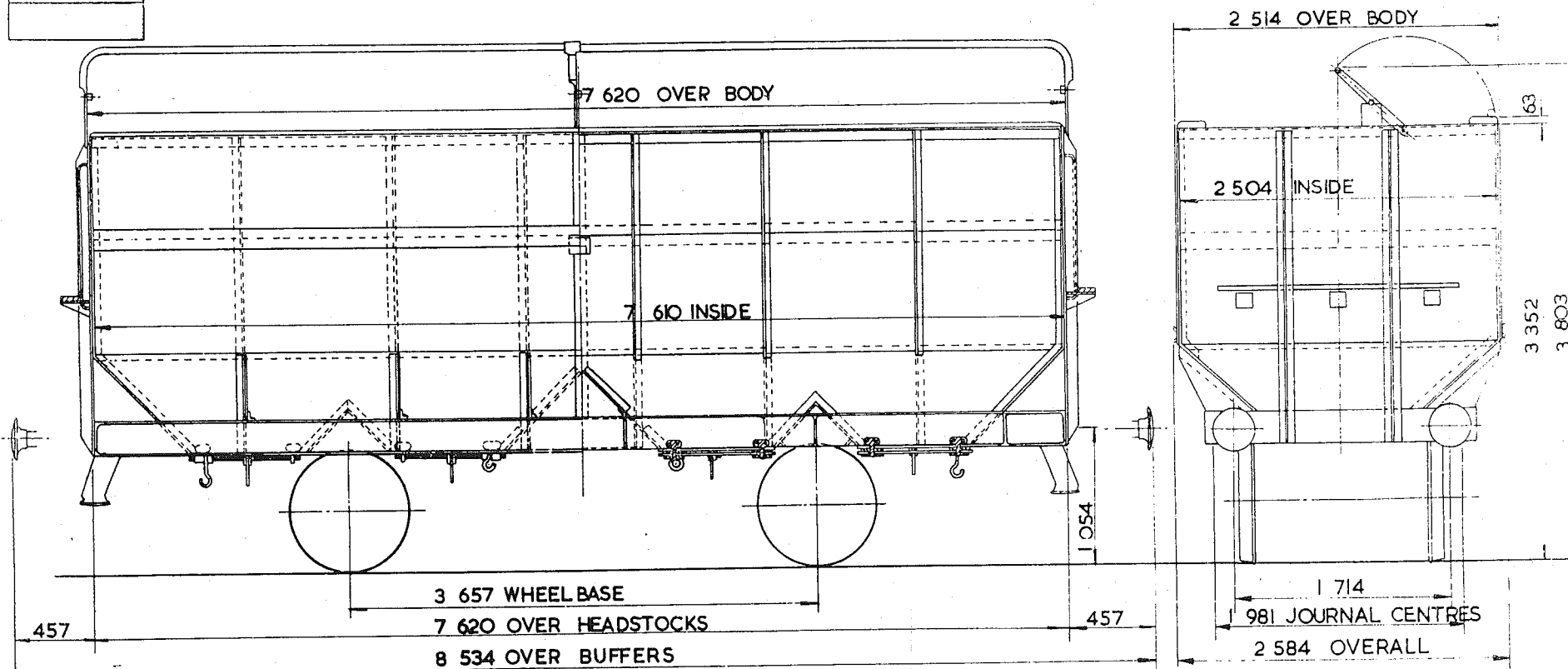
# HOPPER COKE WAGON

# HCO03A

LOT NUMBER
PART 3122

EXCESS LENGTH	H	M	L	E
tonnes	30	30	17	13
V B				
AB				
RA	3	3	1	1
MAX SPEED	50	50	50	50

TOPS CODE						
CARKND	AARKND			OPERATING PANEL No.		
H C	Ø	H C	Ø	C	2	1 2



TARE - 12 450 kg.
CARRYING CAPACITY - 20 500 kg.
CAPACITY - 39.077 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 ROLLER BEARINGS.

BUFFERS - SPINDLE 406 DIA HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26 m.
GEN. ARRGT. DRG. No. - DN 27667.
BRAKE - HAND LEVER
SUSPENSION - SHOE.



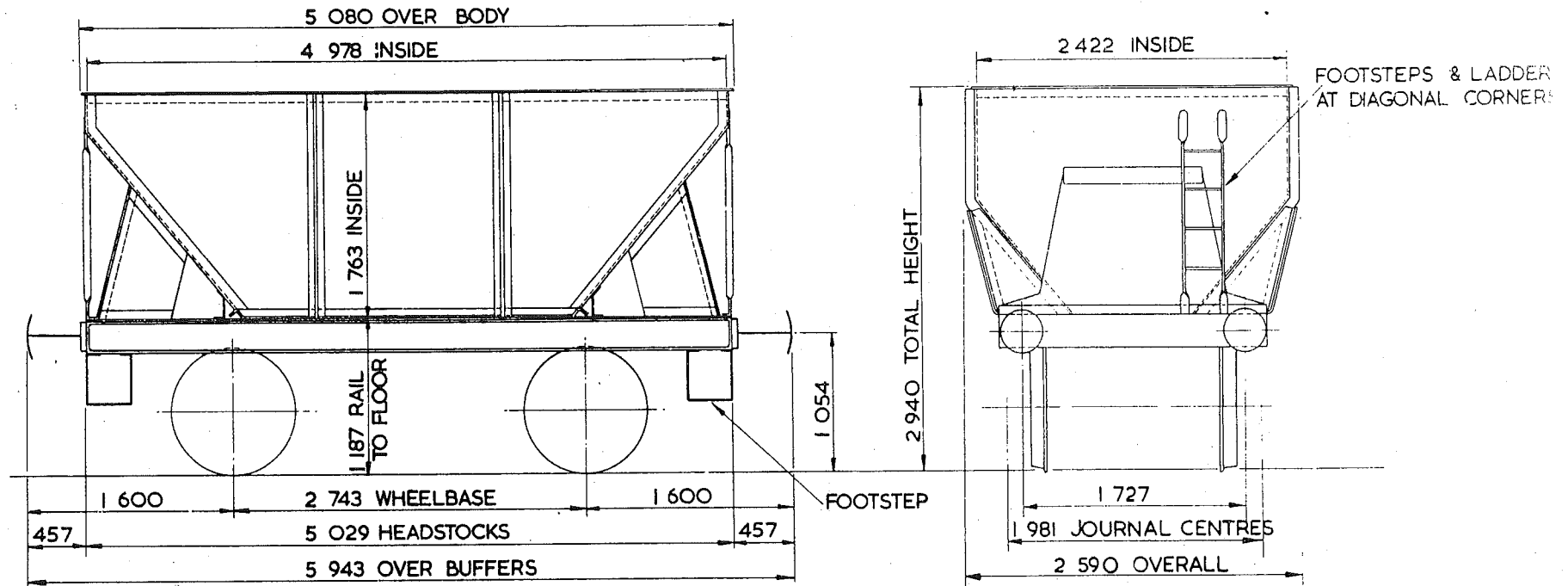
# HOPPER IRONSTONE WAGON

H1001A

LOT NUMBER
<b>PART 2055</b>

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
VB				
AB				
RA	4	2	1	1
MAX SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
H I Ø	H I Ø C	1 8 9



TARE - 10 050 kg
CARRYING CAPACITY - 24 500 kg
CAPACITY - 14.611 m <sup>3</sup>
MAX. SPEED - 35 mile/h.
WHEELS - 965 DIA.
JOURNALS - 254 X 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m.
GEN. ARRGT. DRG. No. - CR430/H
BRAKE - HAND LEVER
SUSPENSION - SHOE

EX. BR. DIAGRAM 161

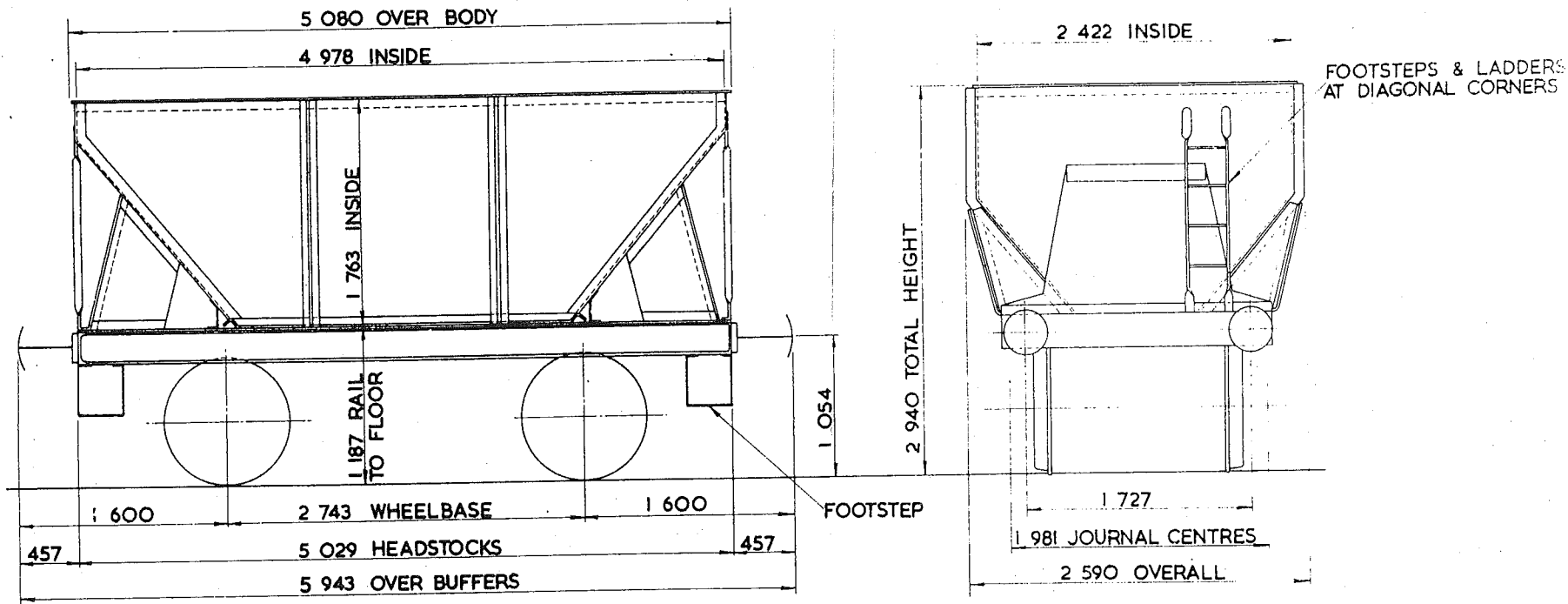
# HOPPER IRONSTONE WAGON

H1001 B

LOT NUMBER
PART 2055

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
VB				
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
H I Ø	H I Ø C	1 8 9



TARE - 10 <sup>050</sup> kg
CARRYING CAPACITY - 24 <sup>500</sup> kg
CAPACITY - 14.611 m <sup>3</sup>
MAX. SPEED - 35 mile/h
WHEELS - 965 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - CR 430/H
BRAKE - HAND LEVER
SUSPENSION - SHOE

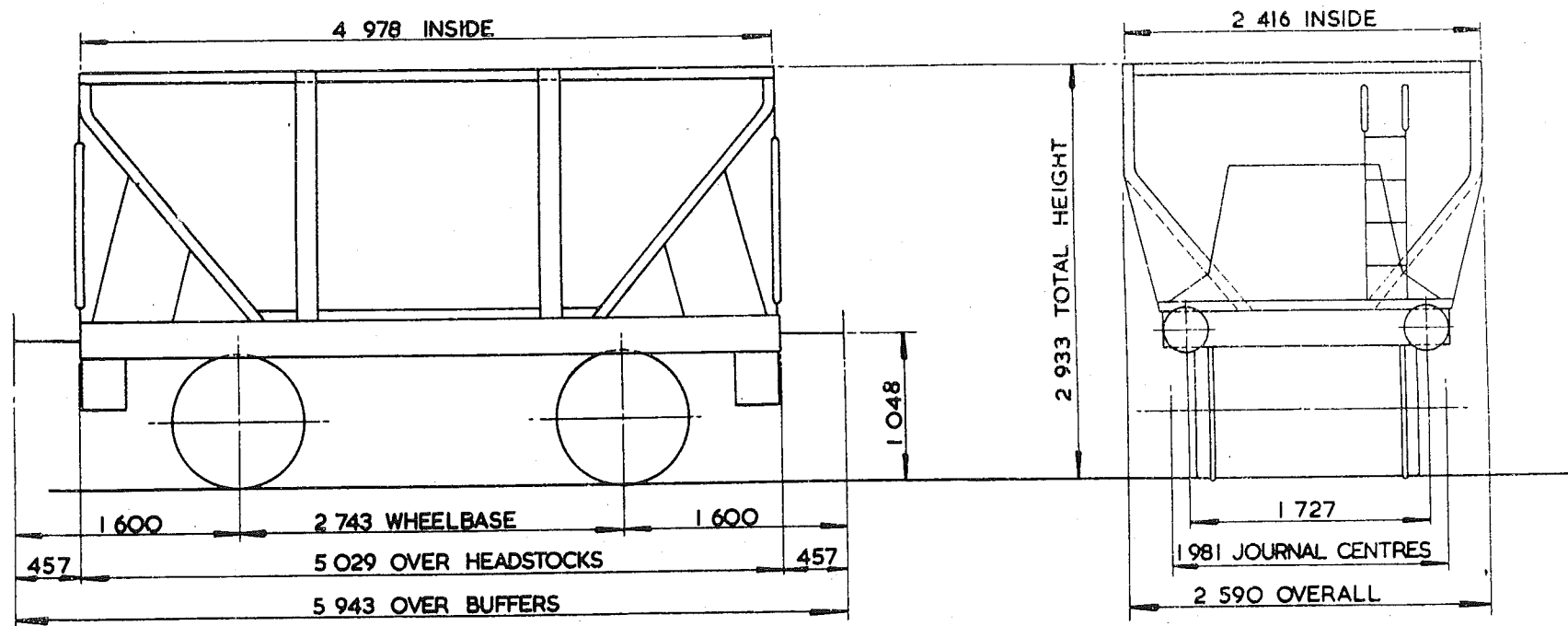
# HOPPER IRONSTONE WAGON

H1001C

LOT NUMBER
PART 2148
PART 2149
PART 2150

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
VB				
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
H I Ø	H I Ø C	1 8 9



TARE - 9950kg
CARRYING CAPACITY - 24500kg
CAPACITY - 14.611 m <sup>3</sup>
MAX. SPEED - 35 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - DI3/2417
BRAKE - HAND LEVER
SUSPENSION - SHOE

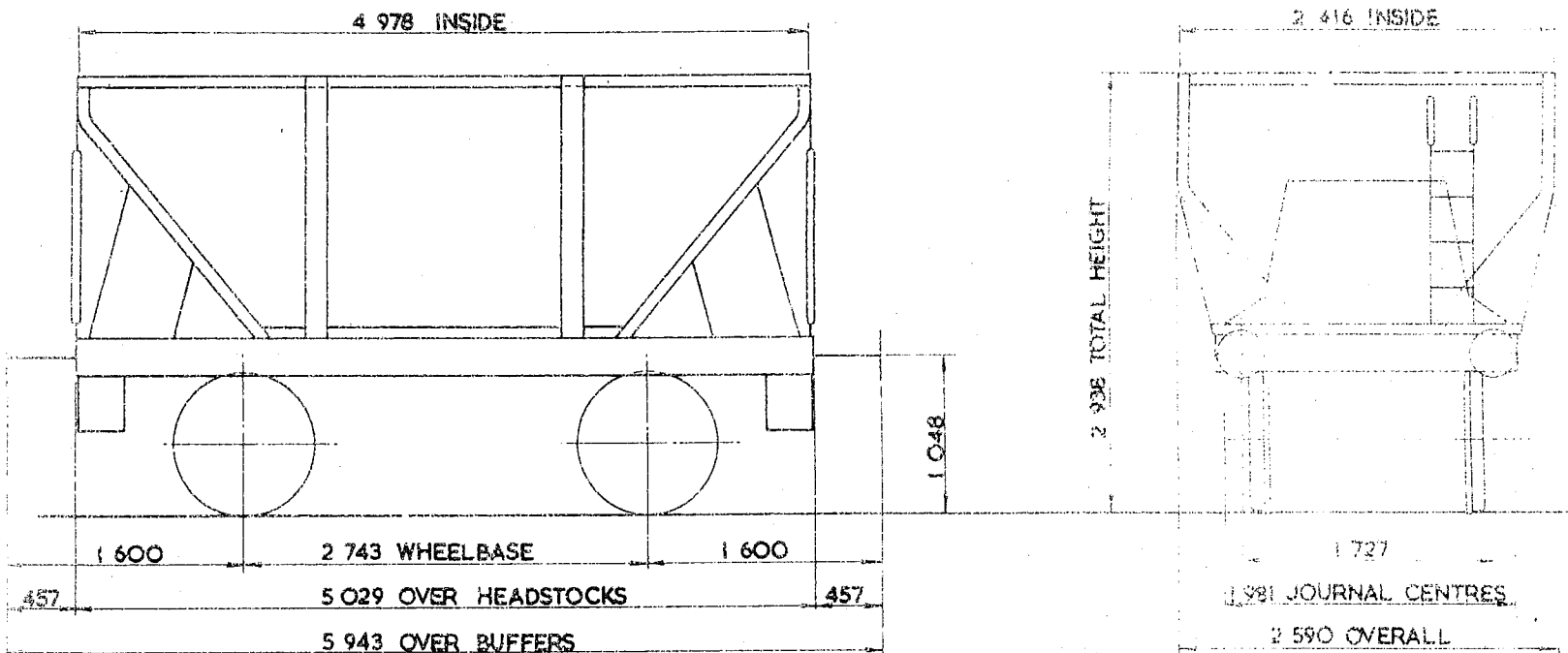
# HOPPER IRONSTONE WAGON

H100ID

LOT NUMBER
PART 2148
PART 2149
PART 2150

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
VB				
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
H I Ø	H I Ø C	1 8 9



TARE - 9 950 kg
CARRYING CAPACITY - 24 500 kg
CAPACITY - 14.611 m <sup>3</sup>
MAX SPEED - 35 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - D13/2417
BRAKE - HAND LEVER
SUSPENSION - SHOE

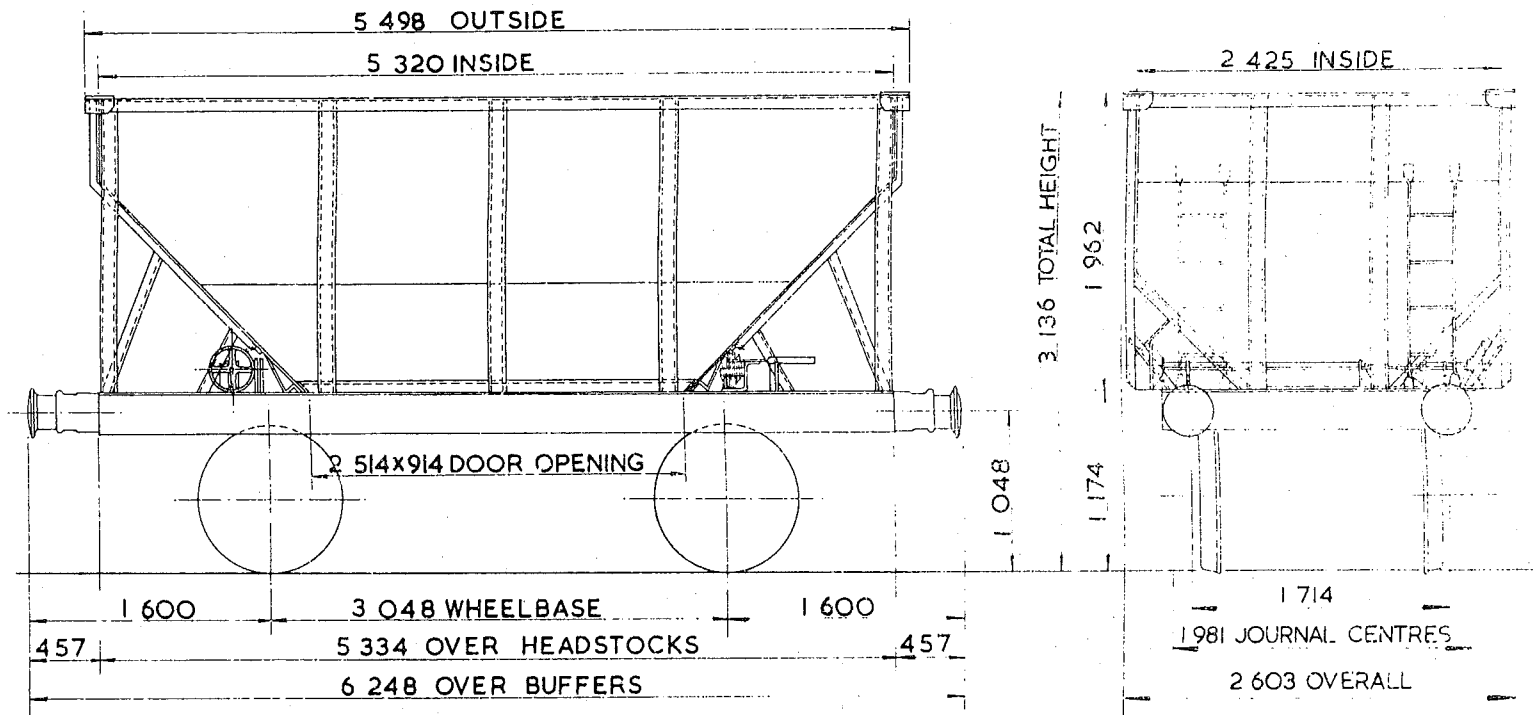
# HOPPER IRONSTONE WAGON

H1003C

LOT NUMBER
PART 2733
PART 3001

EXCESS LENGTH	H	M	L	E
tonnes	35	26	17	11
VB	11	11	6	6
-AB				
RA	4	2	1	1
MAX SPEED	35	35	35	35

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H I V	H I V C	1	9	2	



TARE -	11100kg
CARRYING CAPACITY -	24 <sup>500</sup> kg
CAPACITY	18 774m <sup>3</sup>
MAX. SPEED -	35mile/h.
WHEELS -	952 DIA.
JOURNALS -	254 x 127 FLAIN BEARINGS.

BUFFERS -	SELF CONTAINED 330 DIA. HEADS
COUPLINGS -	INSTANTER.
MIN. CURVE -	21m.
GEN. ARRGT. DRG No. -	DN 31031.
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE.

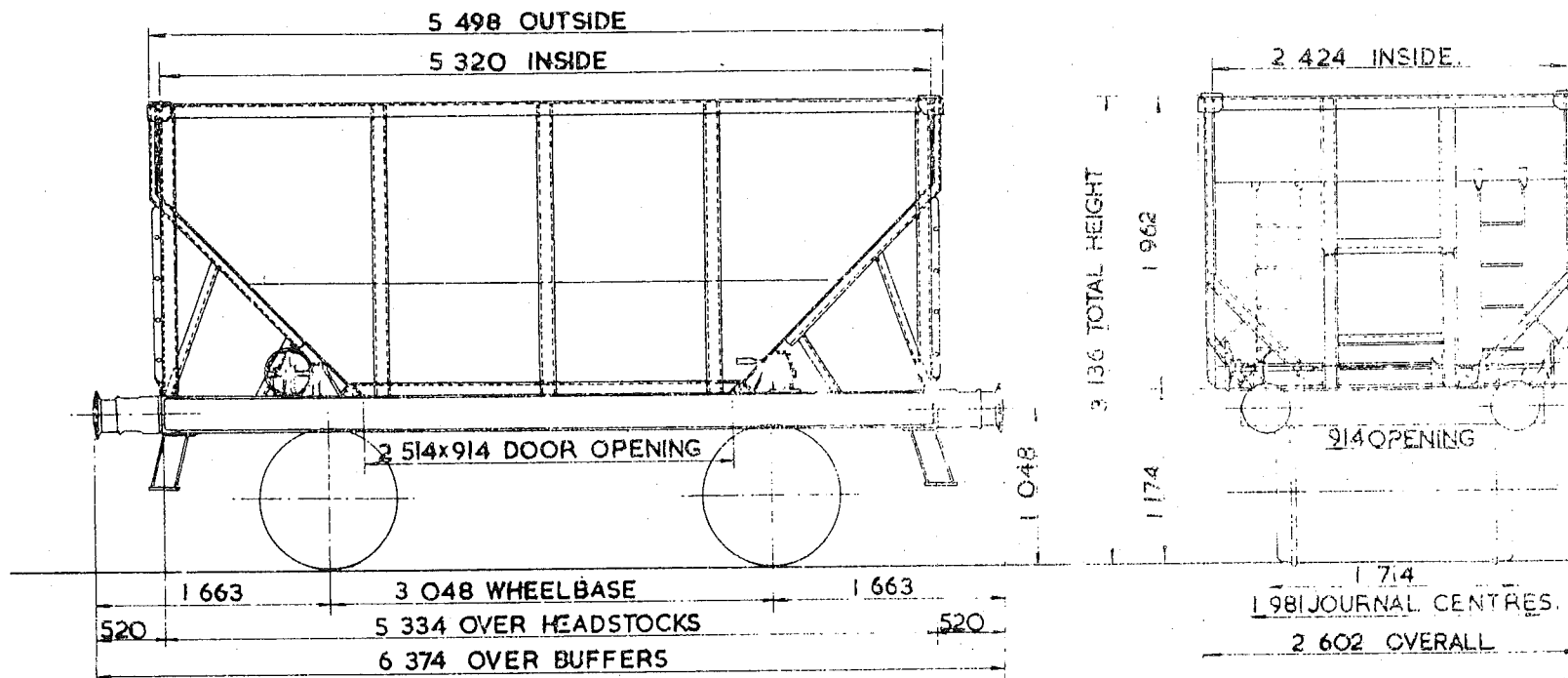
# HOPPER IRONSTONE WAGON

H1003A

LOT NUMBER
PART 3142

EXCESS LENGTH	H	M	L	E
tonnes	35	26	17	11
VB	11	11	6	6
<del>AB</del>				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H I V	H I V C	1	9	2	



TARE - 10 550 kg
CARRYING CAPACITY - 24 <sup>500</sup> kg
CAPACITY - 18.774 m <sup>3</sup>
MAX. SPEED - 35 m/le/h.
WHEELS - 952 DIA.
JOURNALS - 228x127 PLAIN BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS.
COUPLINGS - B.R. SCREW.
MIN. CURVE - 21m.
GEN. ARRGT. DRG No. - DN 20928, DN 21968
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

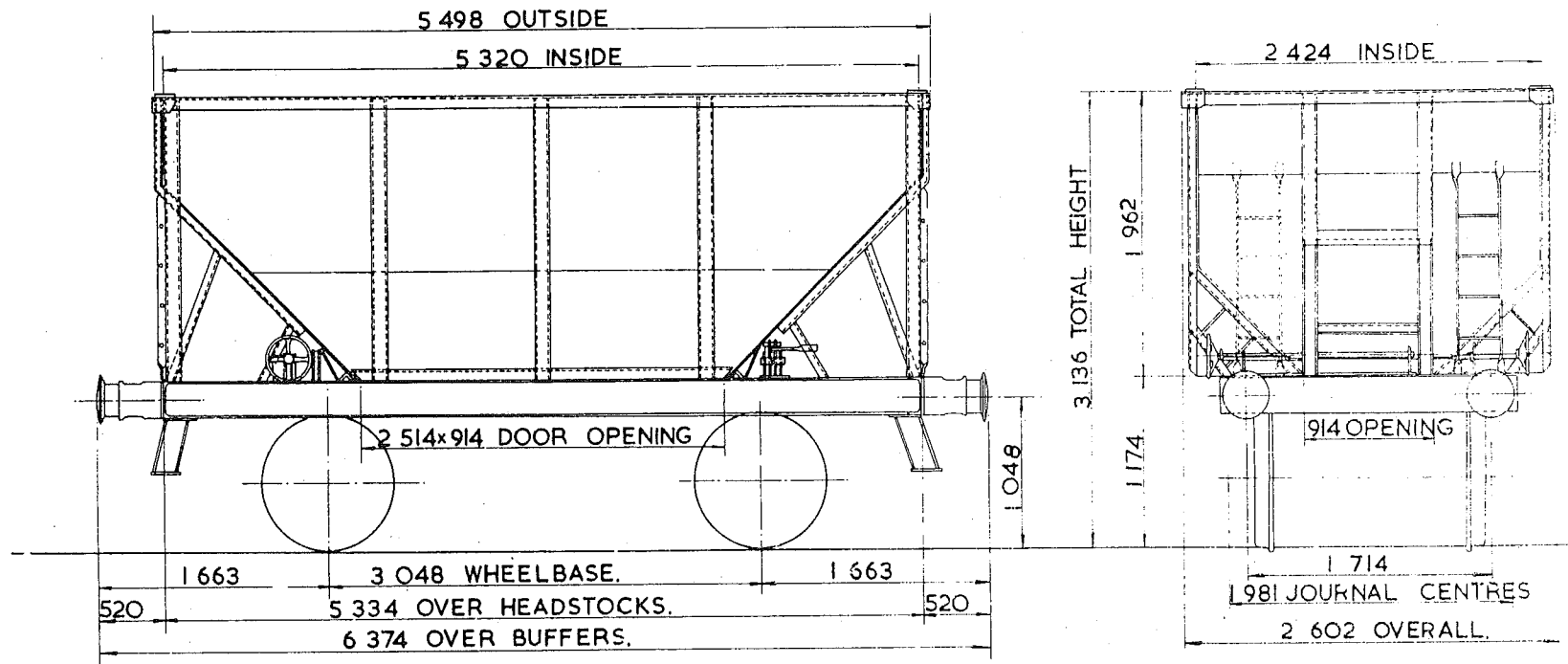
# HOPPER IRONSTONE WAGON

HI 003B

LOT NUMBER
PART 3189

EXCESS LENGTH	H	M	L	E
tonnes	35	26	17	11
VB	11	11	6	6
AB				
RA	4	2	1	1
MAX SPEED	35	35	35	35

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
H I V	H I V C	1	9	2



TARE - 9450kg.
CARRYING CAPACITY - 24 <sup>500</sup> kg.
CAPACITY - 18.774 m <sup>3</sup> .
MAX. SPEED - 35 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - B.R. SCREW.
MIN. CURVE - 21m.
GEN. ARRGT. DRG.No. DN 2092B, DN 20965
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

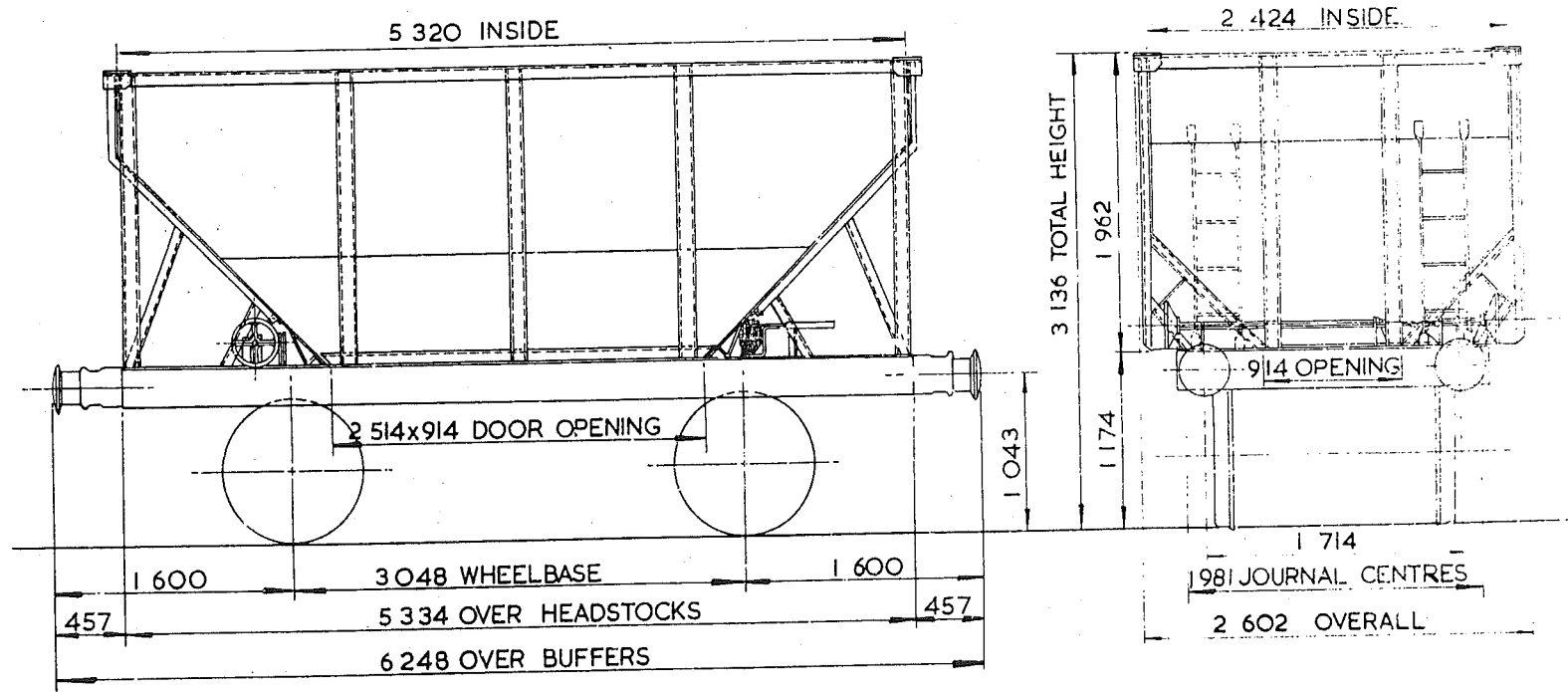
# HOPPER IRONSTONE WAGON

# HI004A

LOT NUMBER
PART 2733
PART 3001

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
VB				
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
HI Ø	HI Ø D	: 8 9



TARE --9500 kg.
CARRYING CAPACITY -- 26000kg
CAPACITY --18.774m <sup>3</sup>
MAX. SPEED -- 35 mile/h
WHEELS -- 952 DIA
JOURNALS --254x127 PLAIN BEARINGS.

BUFFERS -- SELF CONTAINED 330 DIA. HEADS
COUPLINGS -- INSTANTER.
MIN. CURVE -- 21m
GEN. ARRGT. DRG.No. -- DN. 20928
BRAKE -- HAND LEVER.
SUSPENSION -- SHOE.



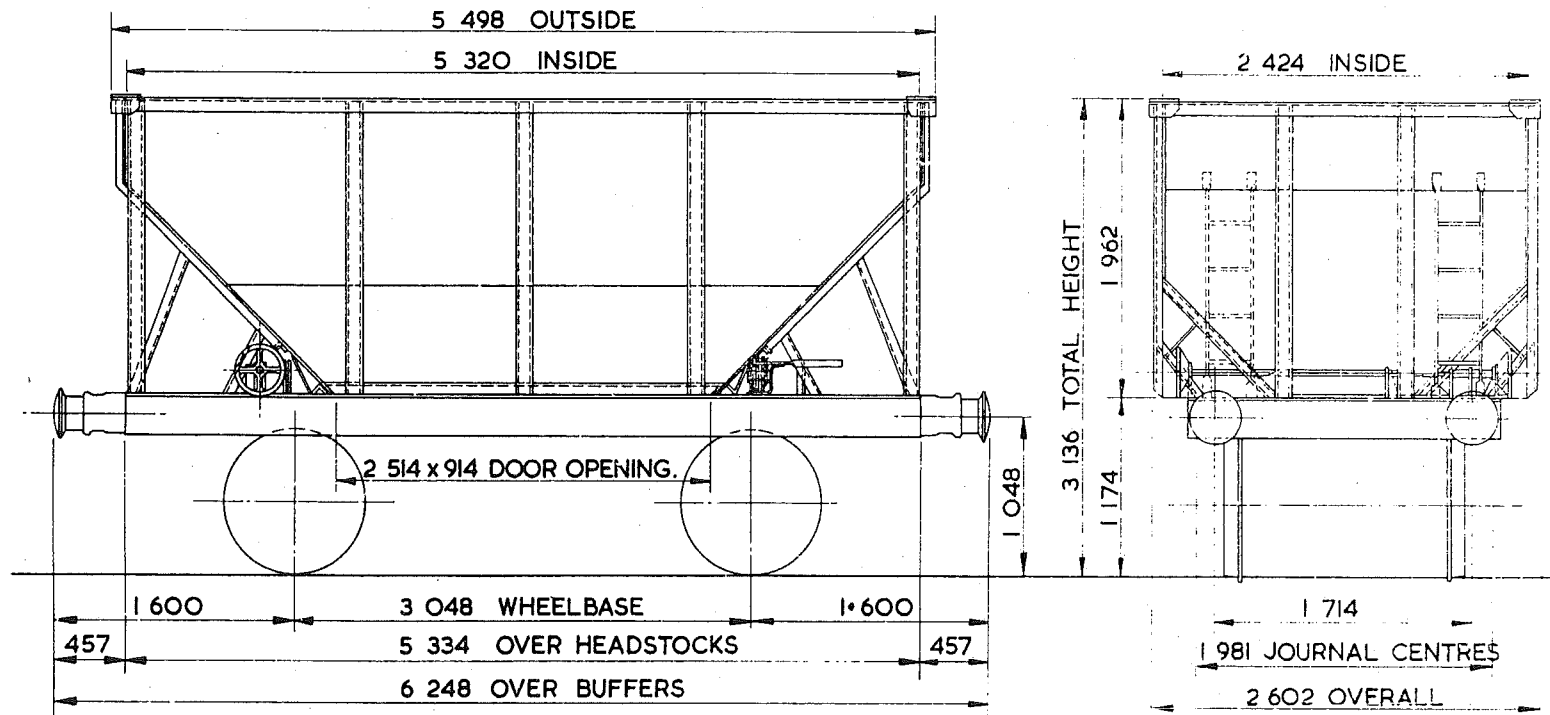
# HOPPER IRONSTONE WAGON

H1004B

LOT NUMBER
PART 2733
PART 3001

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
VB				
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE			
CARKND	AARKND		
H	I	Ø	H I Ø D 1 8 9



TARE	10 500 kg
CARRYING CAPACITY-	30 500 kg
CAPACITY-	18.744 m <sup>3</sup>
MAX. SPEED	35 mile/h
WHEELS	952 DIA.
JOURNALS-	124 DIA. ROLLER BEARINGS

BUFFERS	SELF CONTAINED 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE	21 m
GEN. ARRGT. DRG. No -	DN 20928
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

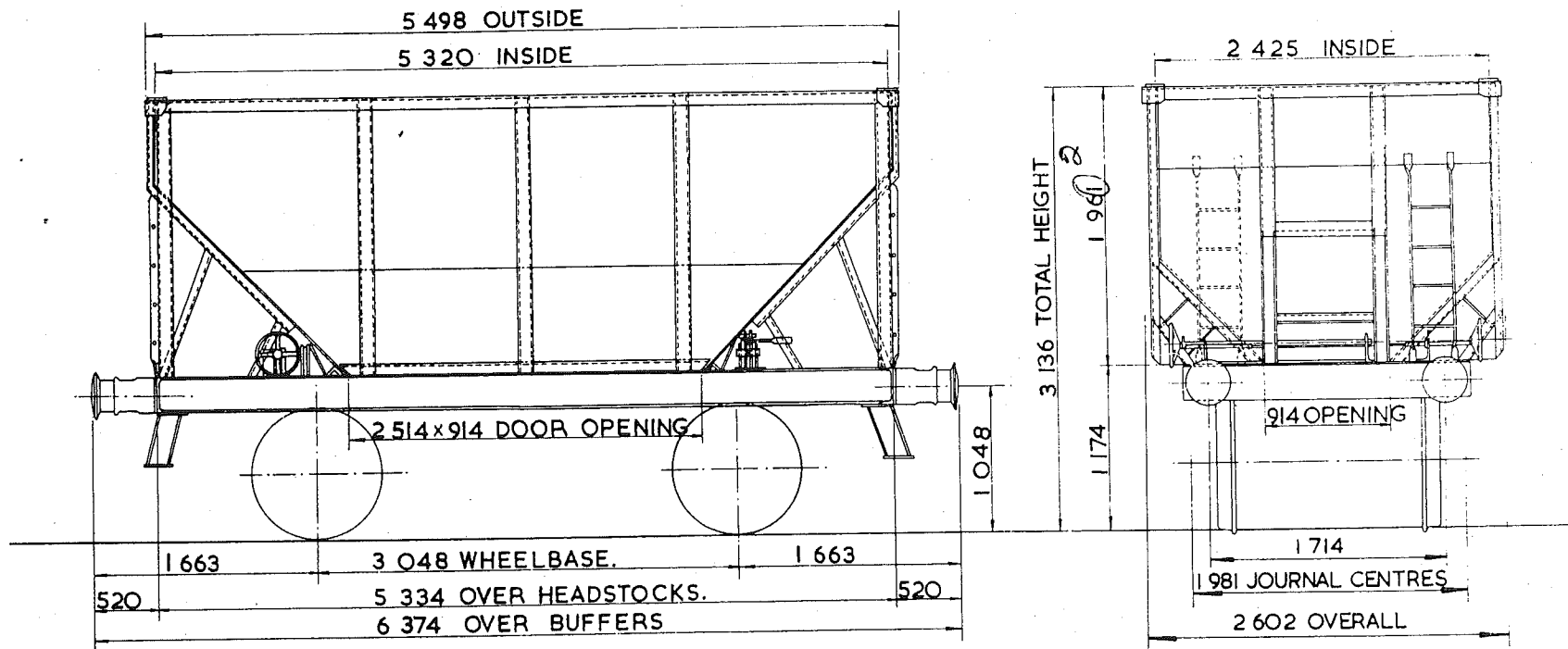
# HOPPER IRONSTONE WAGON

H1004C

LOT NUMBER
PART 3189

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
— VB				
— AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No.	
H I Ø	H I Ø	D		1	8 9



TARE - 9450kg.
CARRYING CAPACITY - 26 <sup>000</sup> kg.
CAPACITY 18.774m <sup>3</sup>
MAX. SPEED - 35mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21m.
GEN. ARRGT. DRG No. - DN 20928, DN 20965
BRAKE - HAND LEVER
SUSPENSION - SHOE.

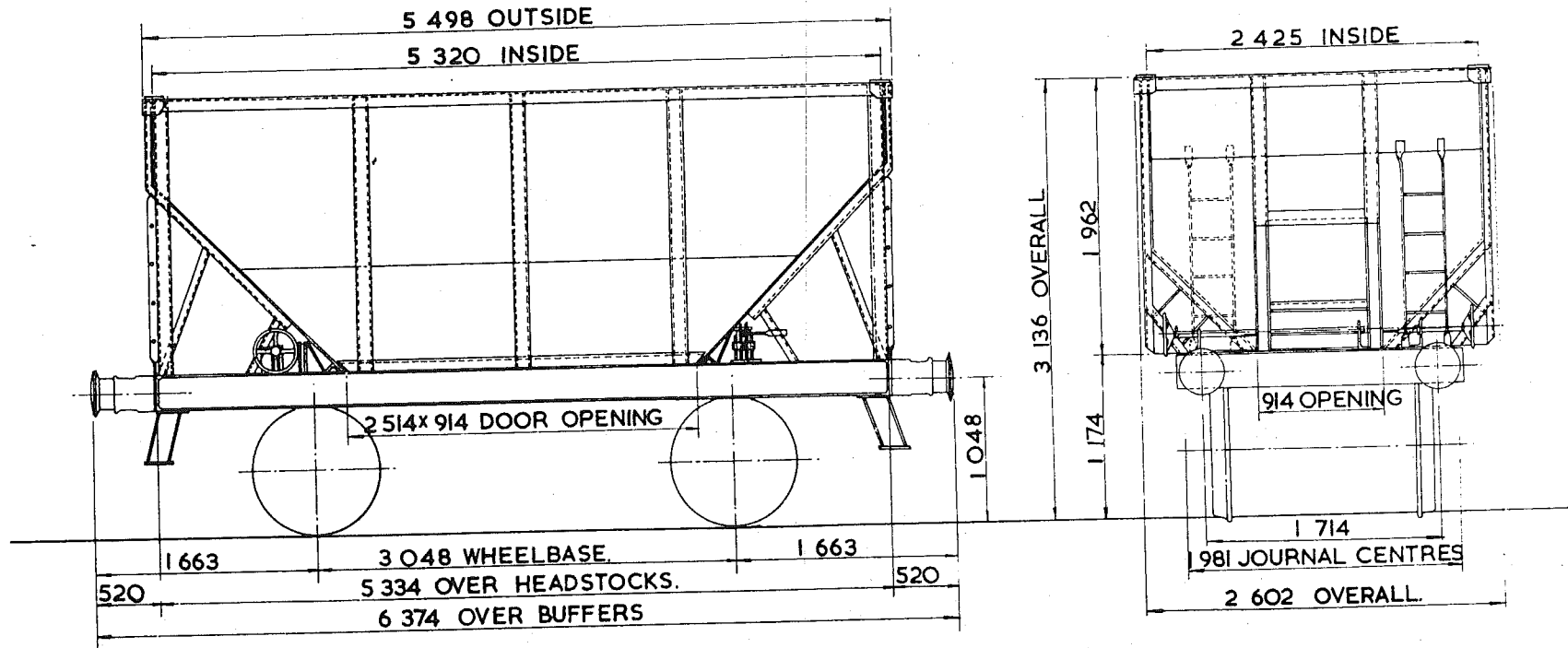
# HOPPER IRONSTONE WAGON

H1004D

LOT NUMBER
PART 3189

EXCESS LENGTH	H	M	L	E
tonnes	35	26	16	10
VB	0	0	0	0
AB				
RA	4	2	1	1
MAX. SPEED	35	35	35	35

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
H	I	P	H	I	P	D	1	9	1



TARE - 9450kg.
CARRYING CAPACITY - 26000kg
CAPACITY - 18.774m <sup>3</sup> .
MAX. SPEED - 35mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS.
COUPLINGS - B.R. SCREW.
MIN. CURVE - 21m.
GEN. ARRGT. DRG No. DN 20928, DN 20965
BRAKE - VACUUM PIPED & HAND LEVER
SUSPENSION - SHOE.

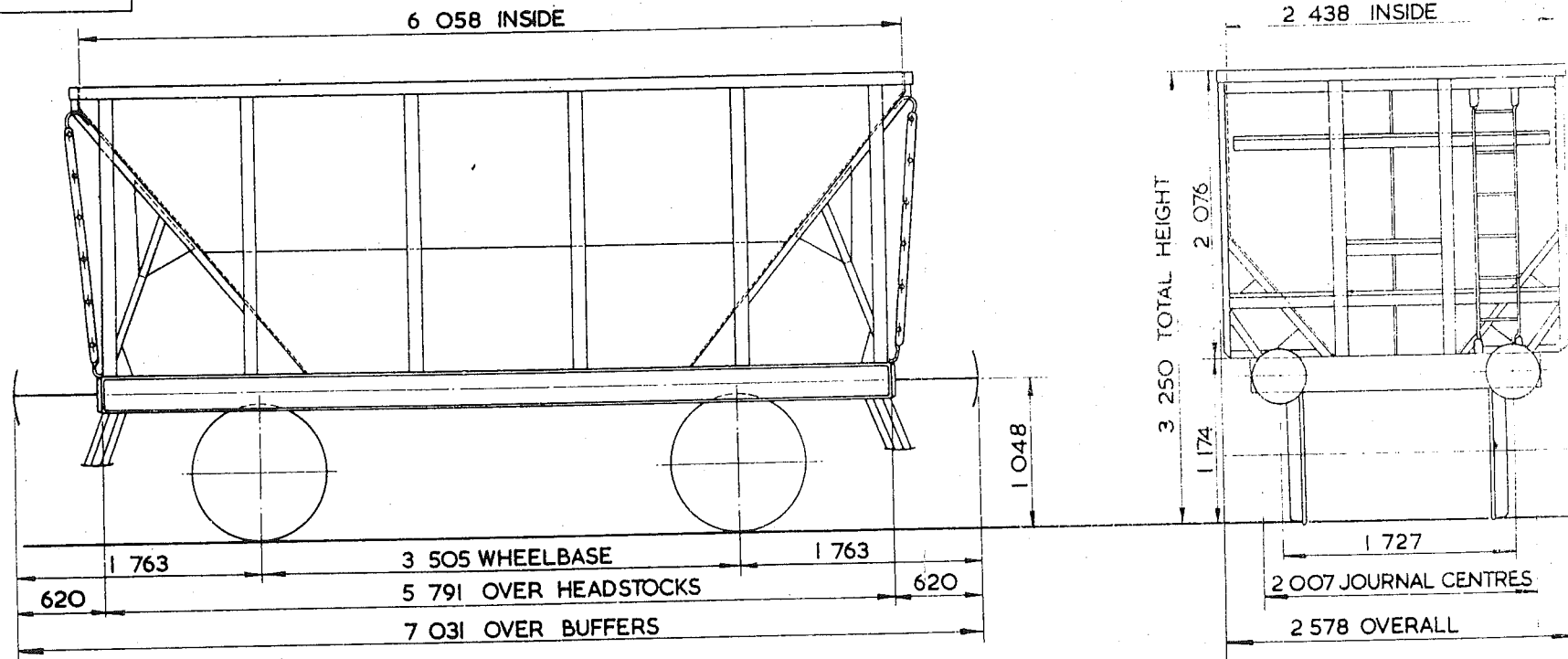
# HOPPER IRONSTONE WAGON

HKOOIA

LOT NUMBER
2962

EXCESS LENGTH	I	H	M	L	E
tonnes	45	32	20	12	
VB	6	6	6	6	
AB					
RA	8	5	2	1	
MAX. SPEED	50	50	50	50	

TOPS CODE						
CARKND	AARKND		OPERATING PANEL No			
H	K	V	H	K	V	E
						3 7



TARE - 11400 kg
CARRYING CAPACITY - 33500 kg
CAPACITY
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 305 x 152 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 400 DIA. HEADS
COUPLINGS - INTERNATIONAL SCREW
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - DN 21101
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION SHOE

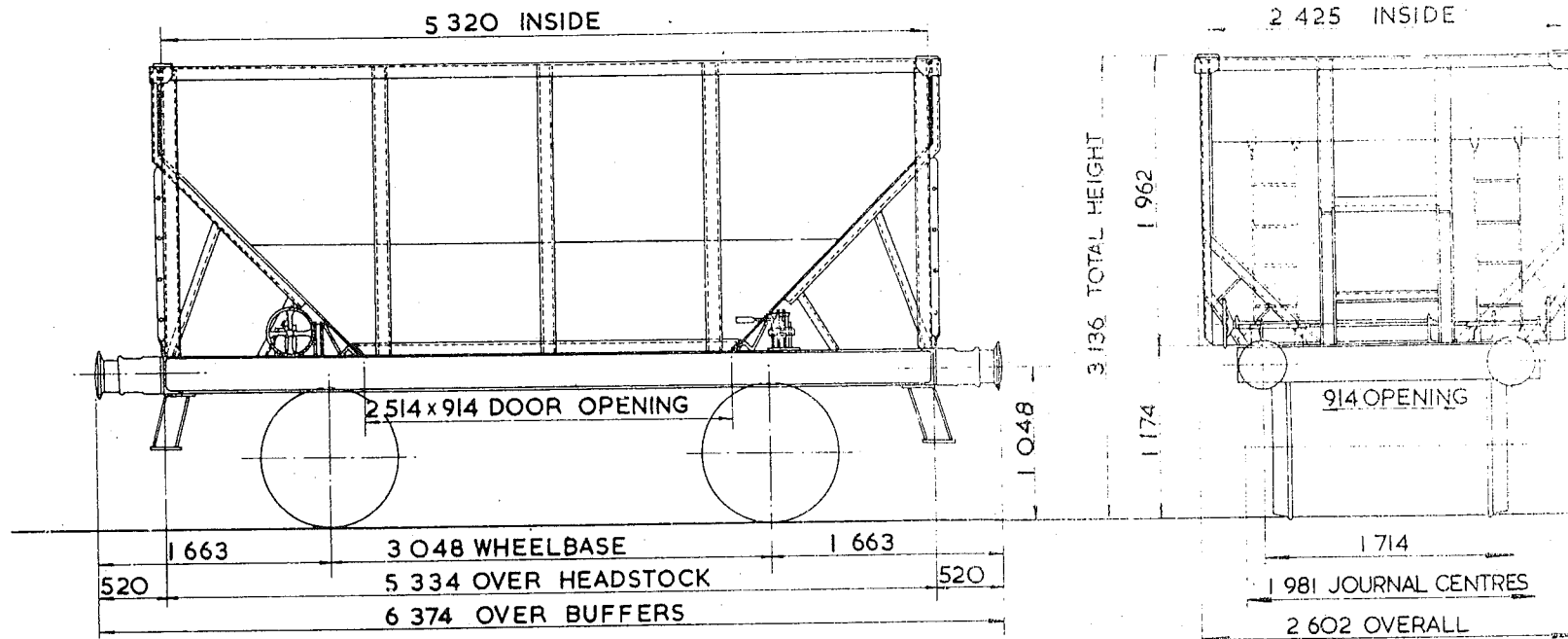
# HOPPER IRONSTONE WAGON

HK002A

LOT NUMBER
PART 3142

EXCESS LENGTH	H	M	L	E
tonnes	45	32	20	11
VB	11	11	6	6
AB				
RA	8	5	2	1
MAX. SPEED	35	35	35	35

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No.					
H	K	V	H	K	V	G				193



TARE - 10600kg
CARRYING CAPACITY - 33500kg
CAPACITY - 18.774m <sup>3</sup>
MAX. SPEED - 35mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21m.
GEN. ARRGT. DRG No. - DN 20928, DN 21968.
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE.

EX.B.R. DIAGRAM 165

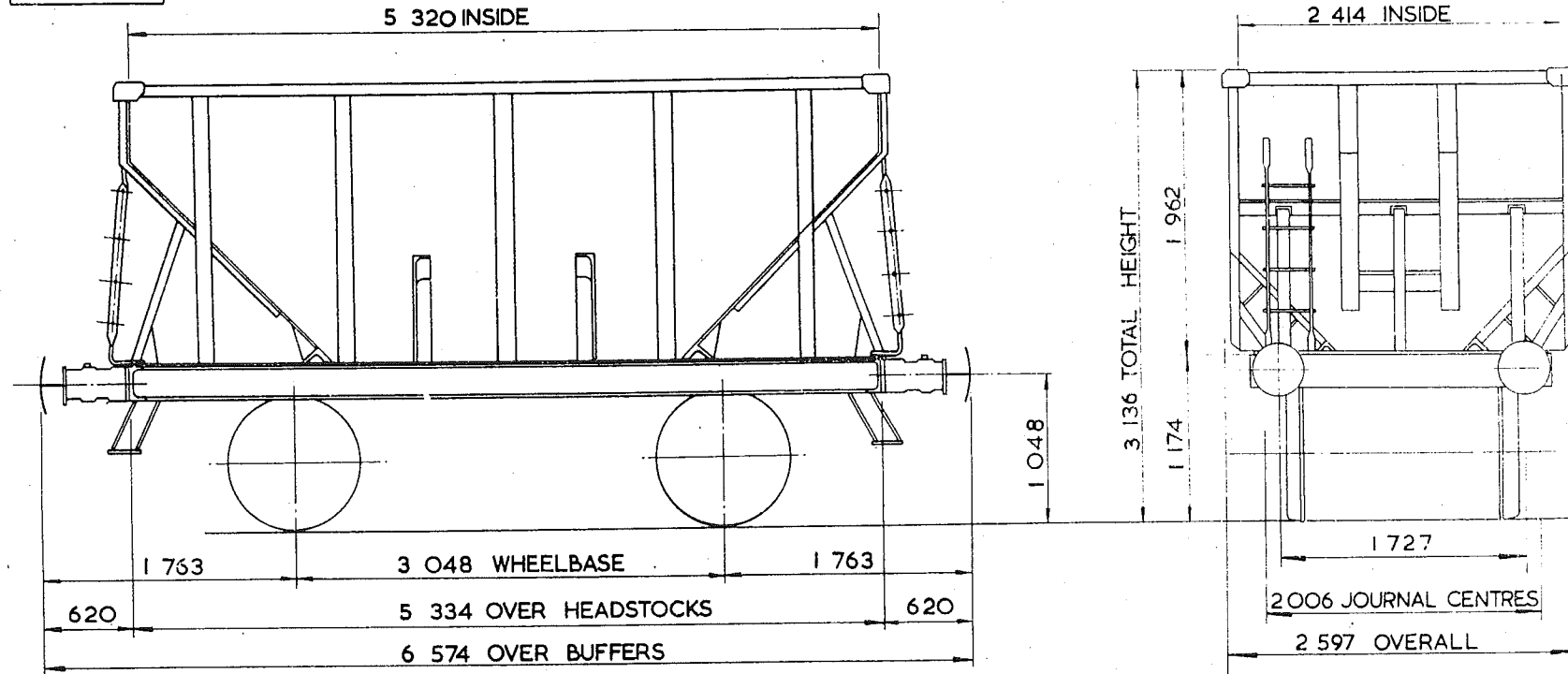
# HOPPER IRONSTONE WAGON

THROUG

LOT NUMBER
PART 3002

EXCESS LENGTH	I	H	M	L	E
tonnes	45	32	20	12	
VB	15	15	6	6	
AB					
RA	8	5	2	1	
MAX. SPEED	45	45	45	45	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL N°		
H	K	V	H	K	V
G				5	9



TARE -- 11 550 kg
CARRYING CAPACITY - 34 000 kg
CAPACITY - 18.776 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 305 X 152 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 457 DIA. HEADS
COUPLINGS - INTERNATIONAL SCREW
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - DN 21792
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

EX.B.R. DIAGRAM 167

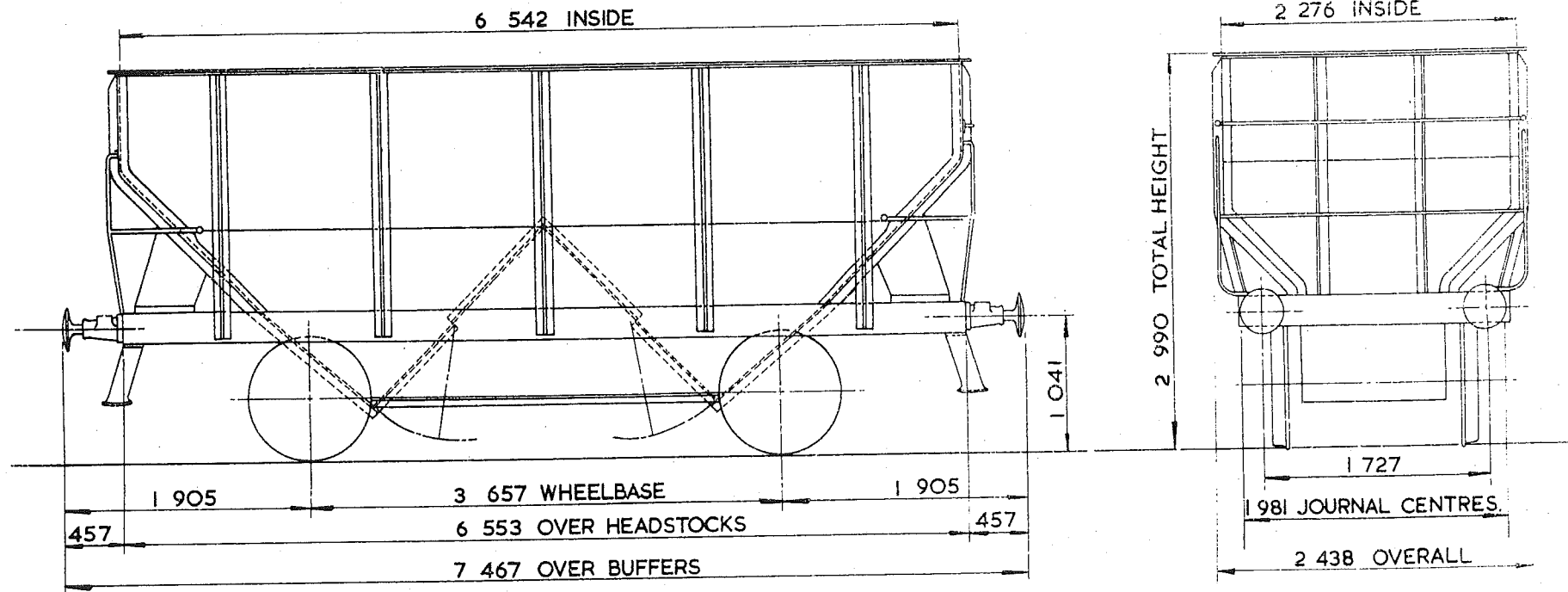
# HOPPER COAL WAGON

HTOOIA

LOT NUMBER
PART 2052
PART 2053
PART 2054

EXCESS LENGTH <sup>2</sup>	H	M	L	E
tonnes	28	22	15	10
V-B				
A-B				
RA	3	1	1	1
MAX SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H T Ø	H T Ø	D			



TARE - 9 800kg.
CARRYING CAPACITY - 21 500kg.
CAPACITY - 23.928 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254x127 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26 m.
GEN. ARRGT. DRG.No. - 17197 N
BRAKE - HAND LEVER
SUSPENSION - SHOE.

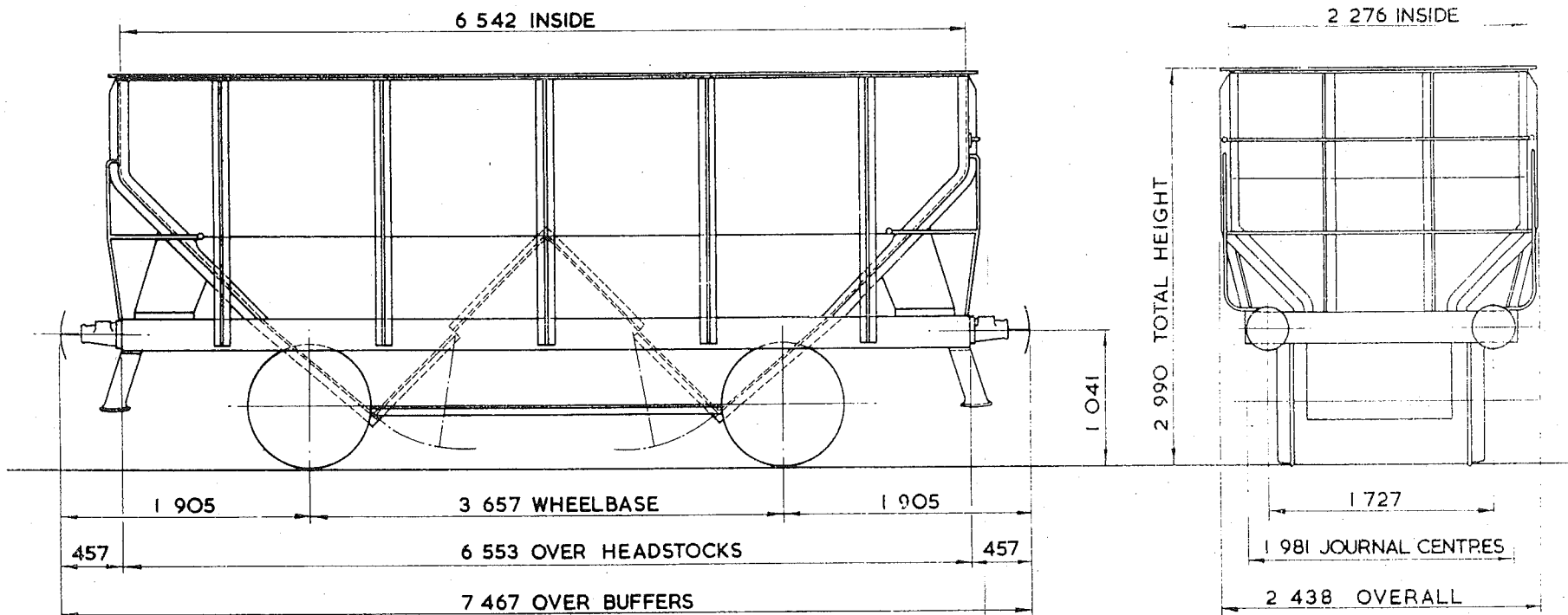
# HOPPER COAL WAGON

HT00IB

LOT NUMBER
PART 2052
PART 2053
PART 2054

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	Ø	H	T	Ø
D					17



TARE -	9 800 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23 928 m <sup>3</sup>
MAX. SPEED	50 mile / h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRG. DRG. No.	-17197N
BRAKE -	HAND LEVER
SUSPENSION -	SHOE



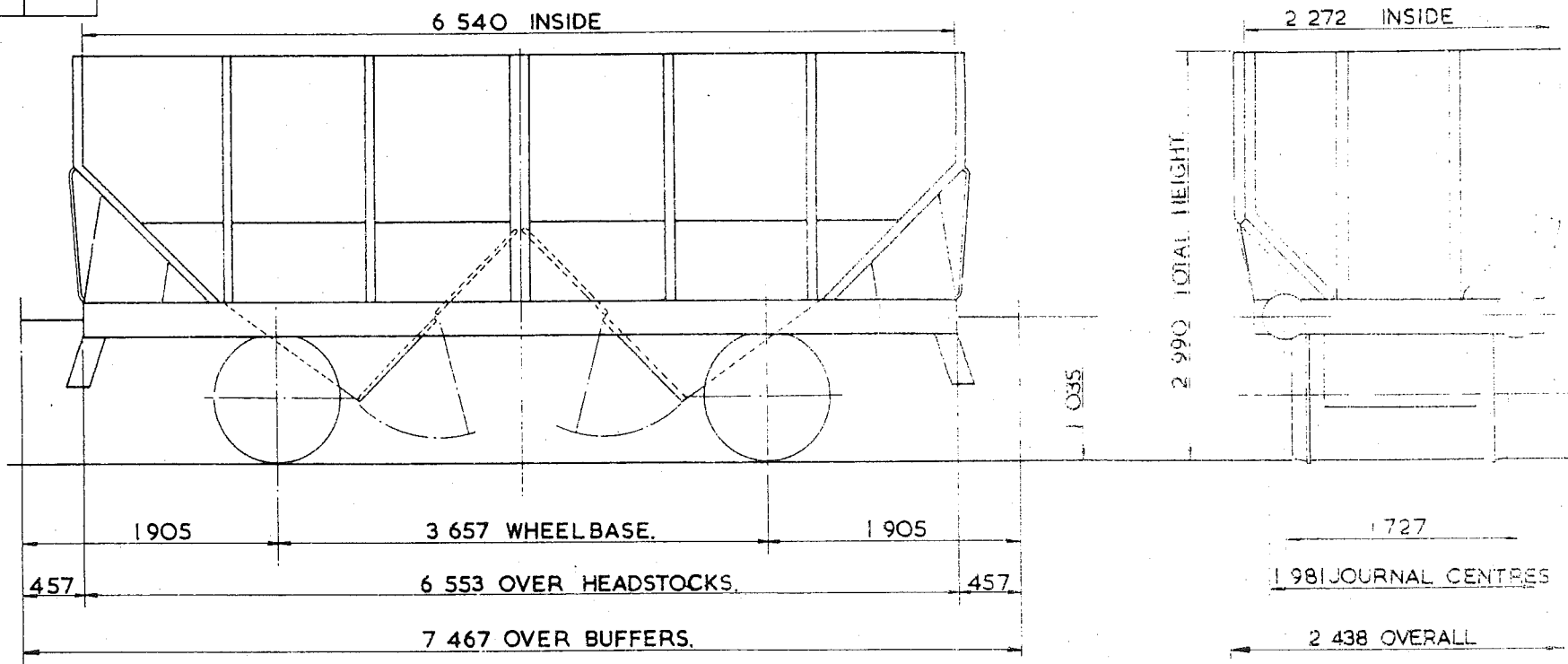
# HOPPER COAL WAGON

HTOO2A

LOT NUMBER	
PART 2163	PART 2164
PART 2165	PART 2166
PART 2167	PART 2168
PART 2212	

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE	
CARKND	AARKND
HIT	HT
Ø	HT
Ø	D
	17



TARE - 9 500 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 23.902 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 939 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26m.
GEN. ARRGT. DRG No. - 12627N
BRAKE - HAND LEVER
SUSPENSION - SHOE.

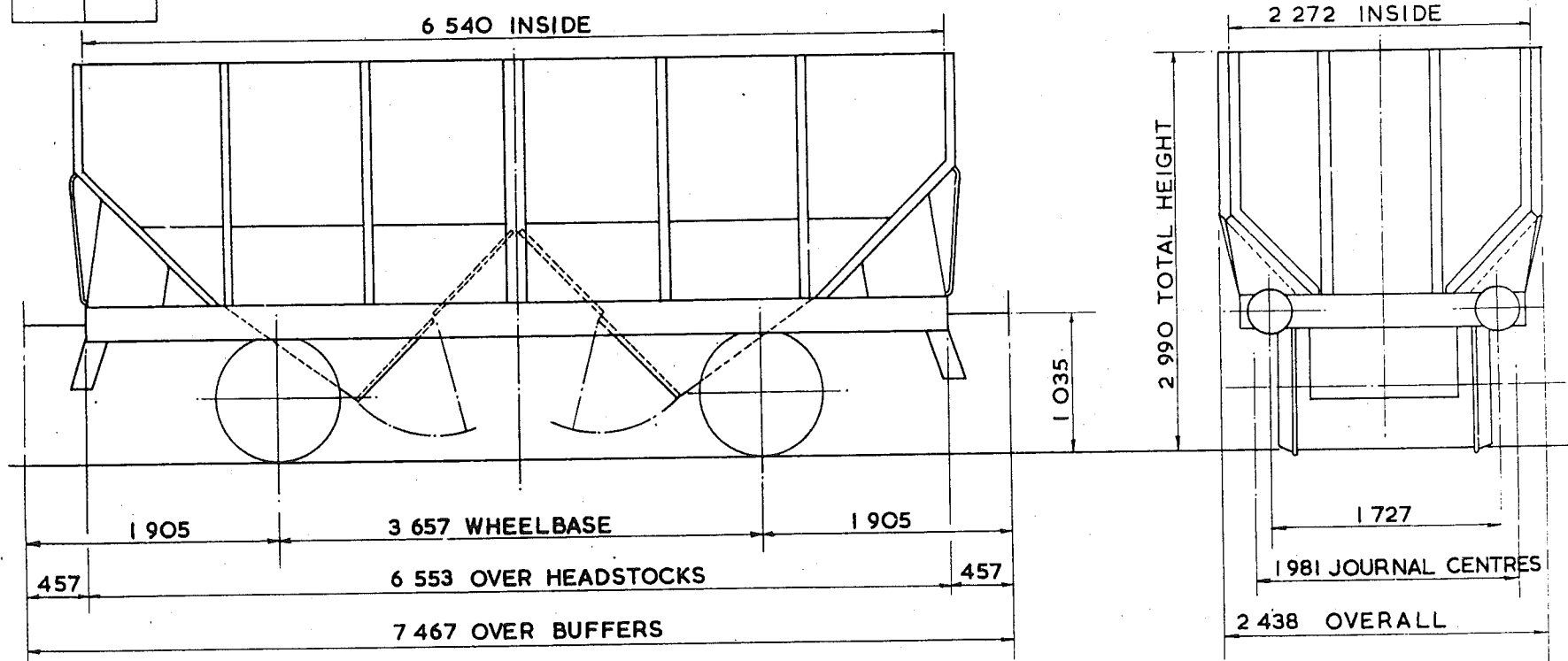
# HOPPER COAL WAGON

HT002B

LOT NUMBER	
PART 2163	PART 2164
PART 2165	PART 2166
PART 2167	PART 2168
PART 2212	

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
H	T	Ø	H	T	Ø
D					17



TARE - 9500kg
CARRYING CAPACITY - 21500 kg
CAPACITY - 23.902 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 939 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 33ODIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26m
GEN. ARRGT. DRG. No. - HN 5110 & 16417N
BRAKE - HAND LEVER
SUSPENSION - SHOE

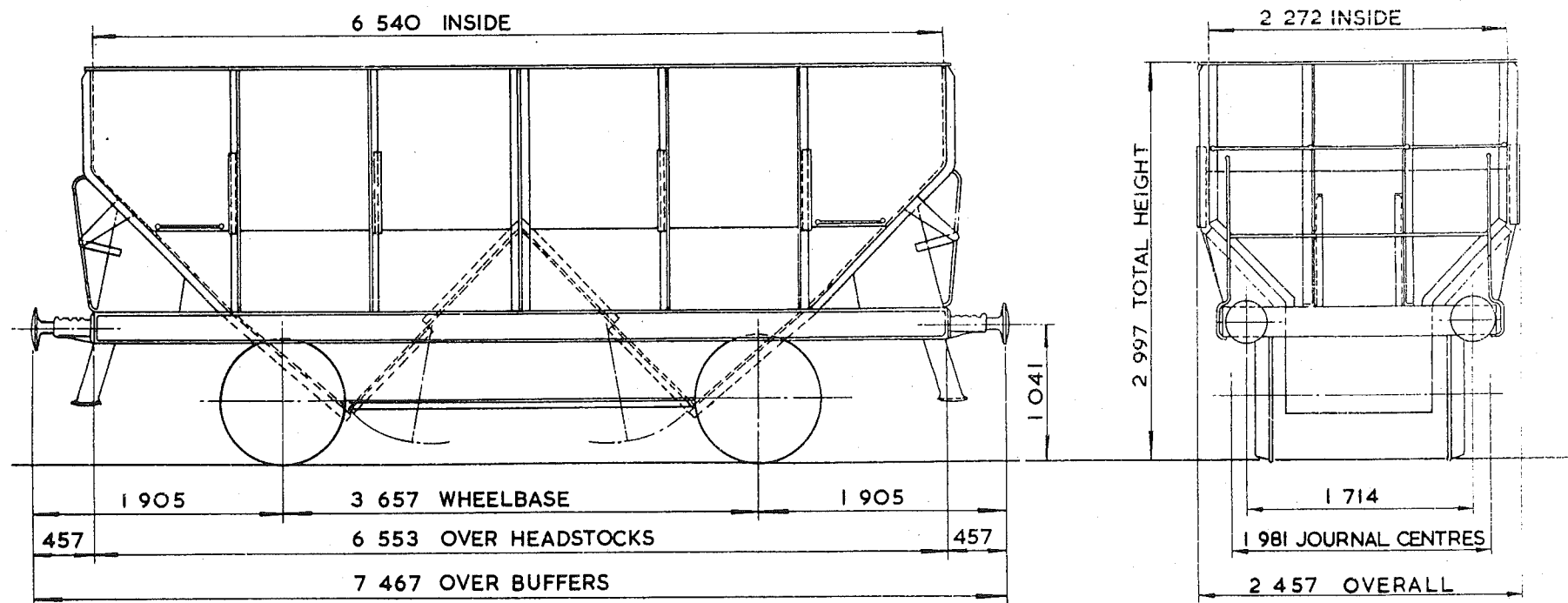
# HOPPER COAL WAGON

HT003A

LOT NUMBER
PART 2402
PART 2403
PART 2727
PART 2728

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No				
H	T	Ø	H	T	Ø	D			17



TARE	10 000 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23.899 m <sup>3</sup>
MAX. SPEED	50 mile/h
WHEELS	952 DIA.
JOURNALS	254 x 127 PLAIN BEARINGS

BUFFERS	SPINDLE 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m
GEN. ARRGT. DRG. No.	18868 N
BRAKE	HAND LEVER
SUSPENSION	SHOE

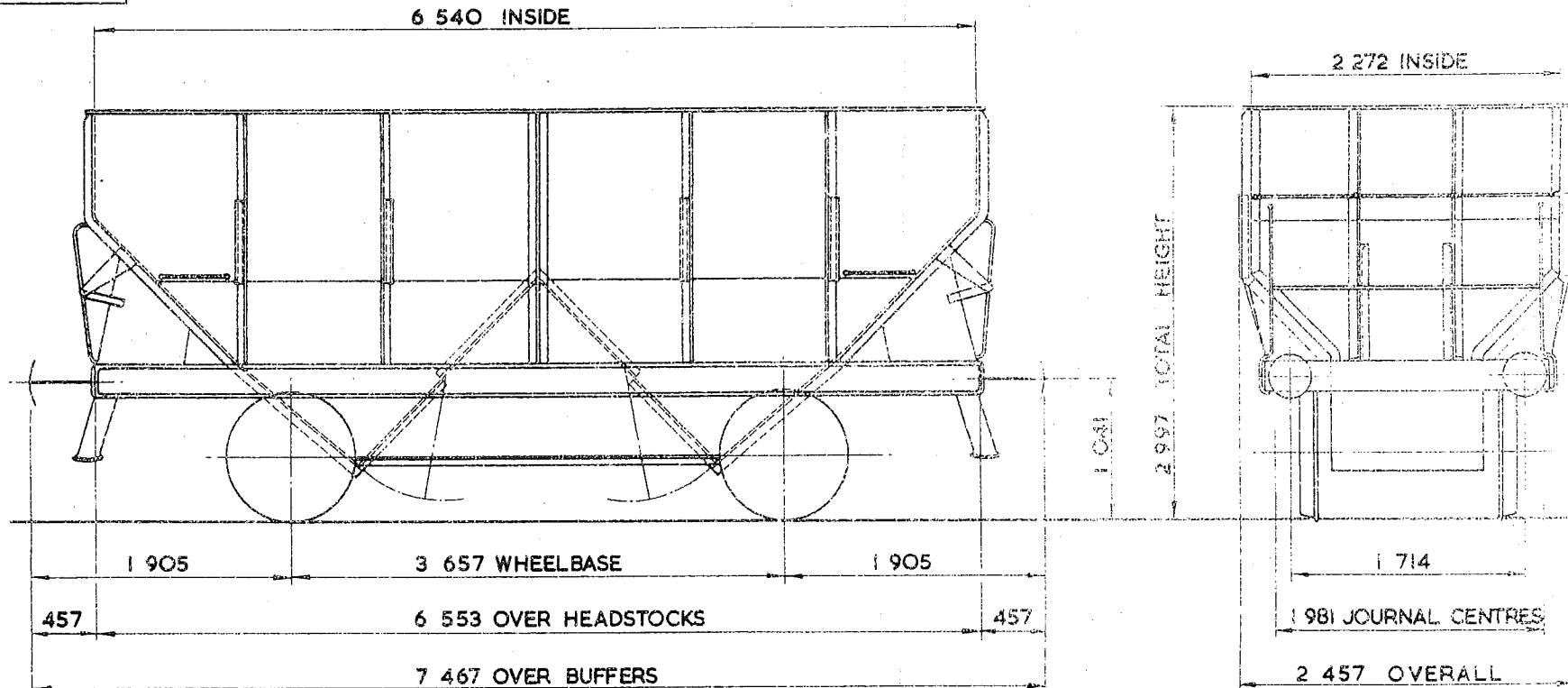
# HOPPER COAL WAGON

HT003B

LOT NUMBER
PART 2402
PART 2403
PART 2727
PART 2728

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX SPEED	50	50	50	50

TOPS CODE			
CARKND	AARKND	OPERATING PANEL NO	
HT0	HT0D		17



TARE -	10 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23.899 m <sup>3</sup>
MAX. SPEED -	50 mile / h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRGT. DRG. No. -	18868N
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

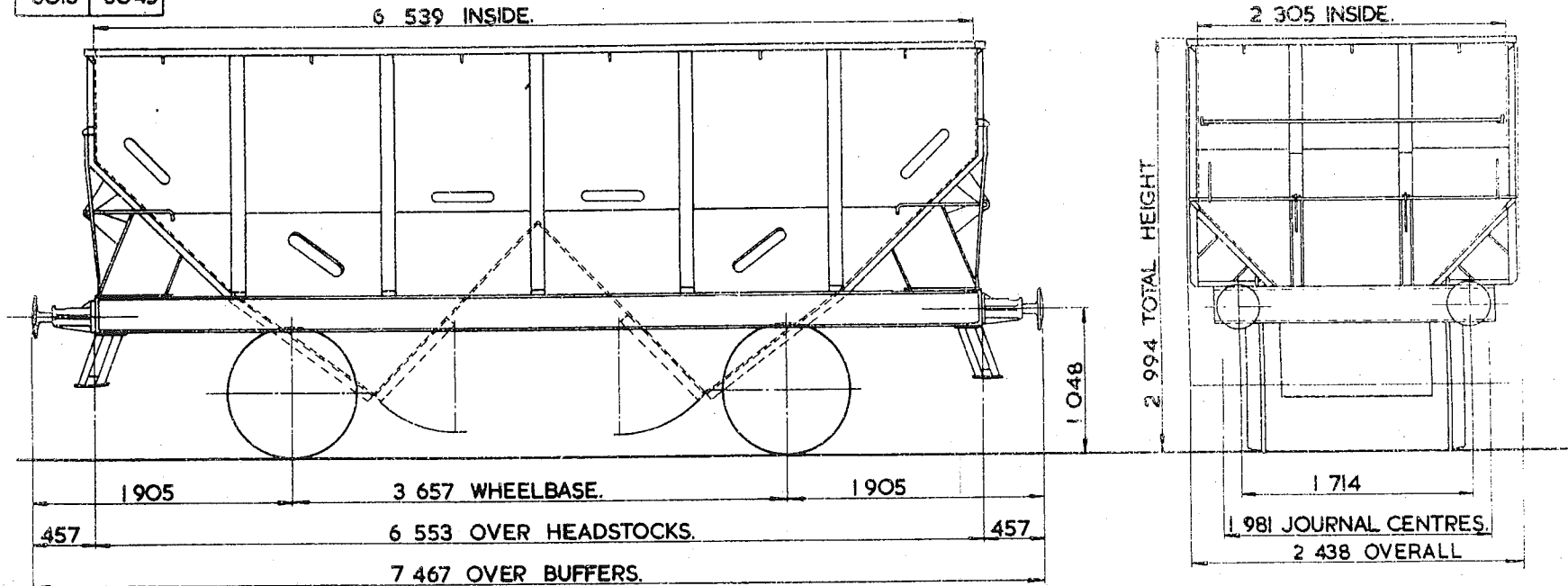
# HOPPER COAL WAGON

HT004A

PART LOT NUMBER	
2330	2400
2401	2552
2713	2726
2731	2932
2933	2934
2935	2954
3013	3045

EXCESS LENGTH <sup>2</sup>	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX SPEED	50	50	50	50

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
H T Ø	H T Ø	D 17



TARE - 9 450 kg.
CARRYING CAPACITY - 21 500 kg.
CAPACITY - 23.928 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26 m.
GEN. ARRGT. DRG No. - SW/DN 19676
BRAKE - HAND LEVER
SUSPENSION - SHOE.

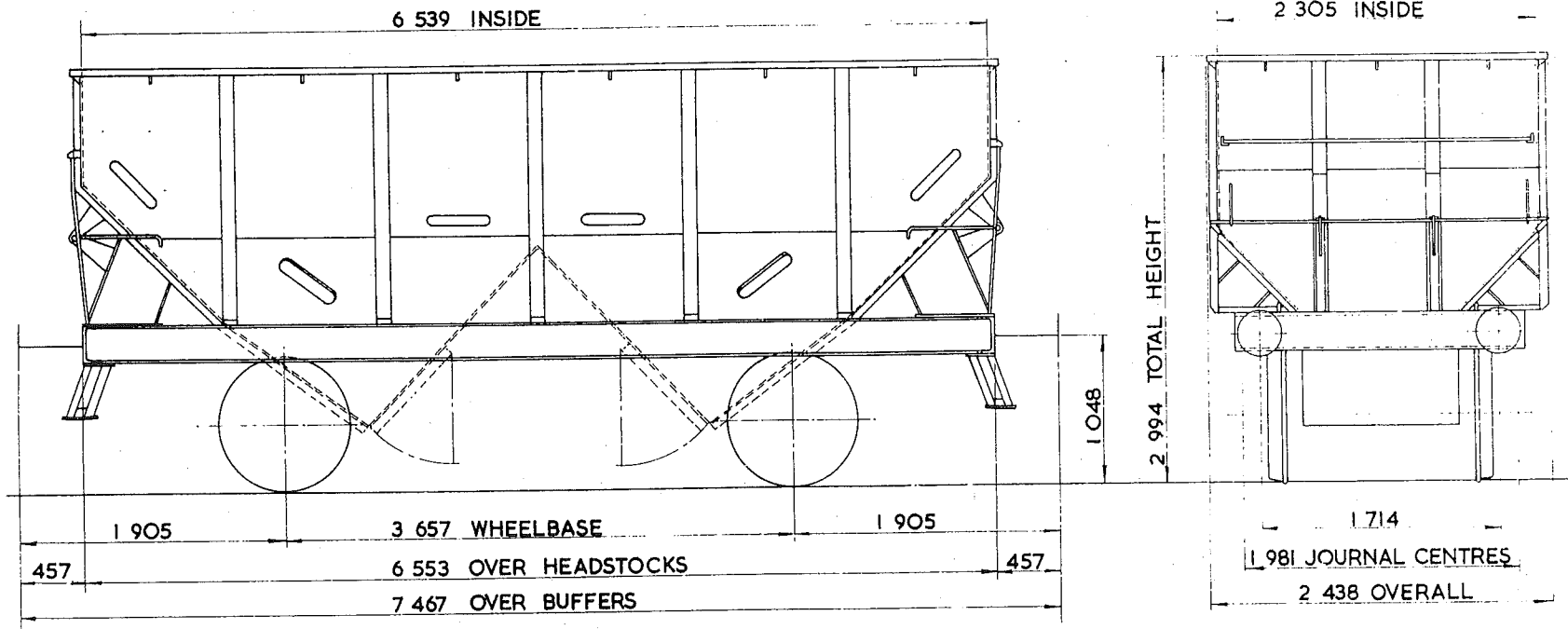
# HOPPER COAL WAGON

HT004 B

PART LOT NUMBER					
2166	2330	2934	2935	3036	3037
2400	2401	2954	3013	3045	3157
2552	2713	3030	3031	3158	3159
2726	2731	3032	3033	3160	
2932	2933	3035			
FULL 3034					

EXCESS LENGTH	2	H	M	L	E
tonnes		28	22	15	10
VB					
AB					
RA		3	1	1	1
MAX SPEED		50	50	50	50

TOPS CODE						
CARKND	AARKND	OPERATING PANEL P.P.				
H	T	Ø	H	T	Ø	D
						17



TARE -- 9 450 kg
CARRYING CAPACITY--21 500 kg
CAPACITY--23.928 m <sup>3</sup>
MAX. SPEED -- 50 mile/h
WHEELS - 952 DIA.
JOURNALS- 124 DIA. ROLLER BEARINGS

BUFFERS -- SPINDLE 330 DIA. HEADS
COUPLINGS -- INSTANTER
MIN. CURVE -- 26 m
GEN. ARRGT. DRG. No. --
BRAKE -- HAND LEVER
SUSPENSION -- SHOE

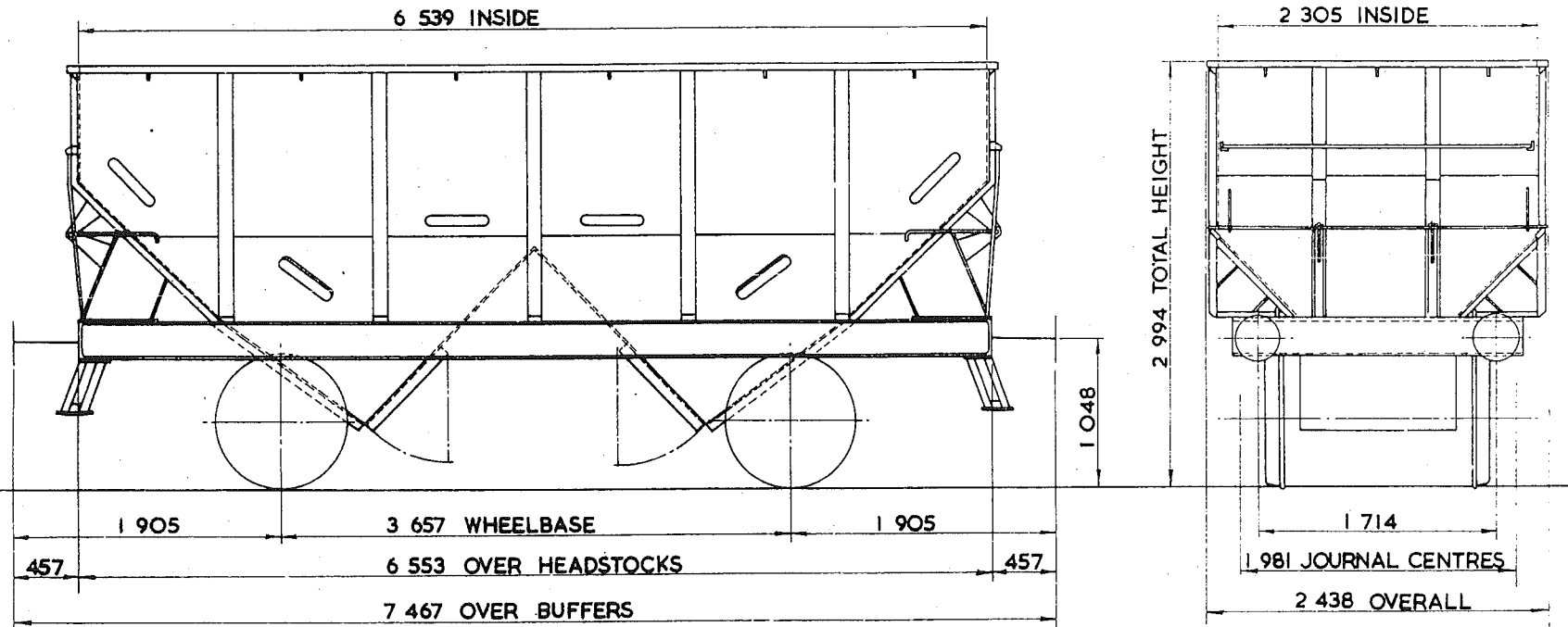
# HOPPER COAL WAGON

HT004C

LOT NUMBER
PART 2552
PART 2731
PART 2932
PART 3013
PART 3045

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	16	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	V	H	T	V
					D
					5 5



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 23.928 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 X 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - SW/DN/19676
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

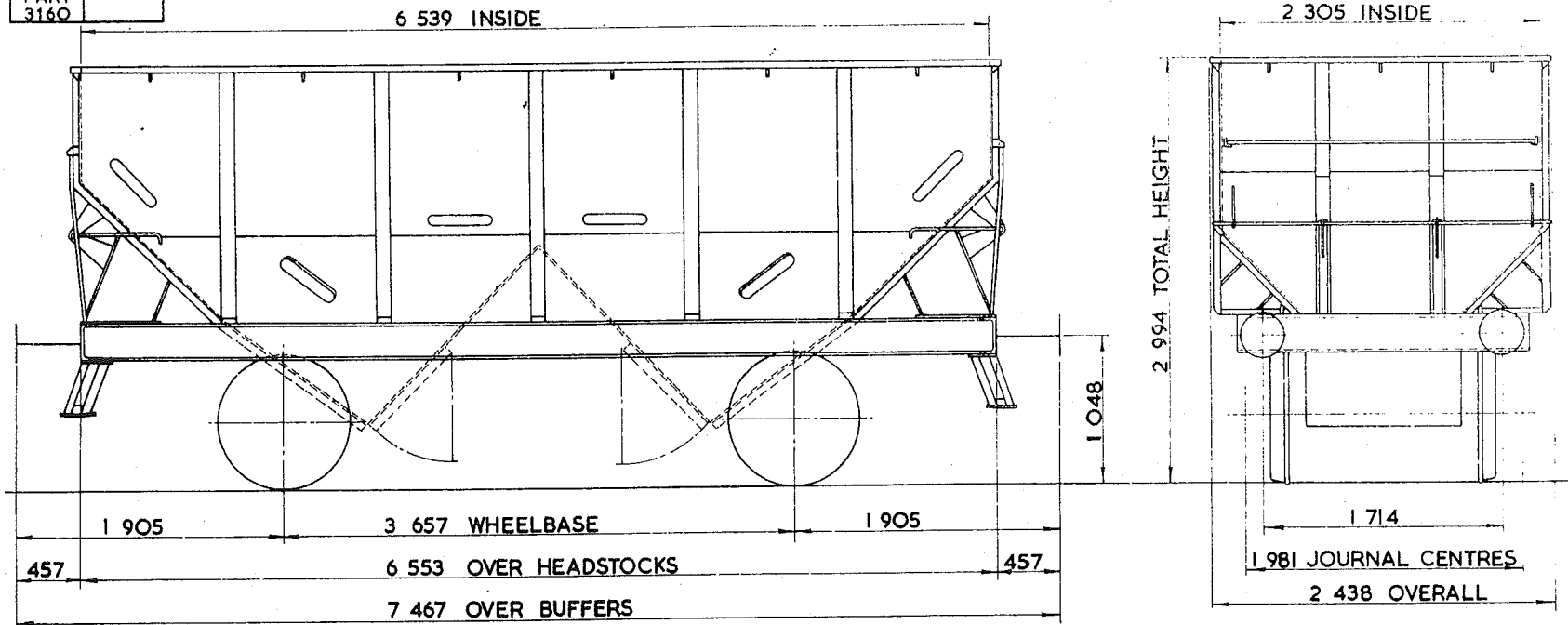
# HOPPER COAL WAGON

HT004D

LOT NUMBER	
PART 3013	PART 3030
PART 3031	PART 3032
PART 3033	PART 3035
PART 3036	PART 3037
PART 3045	PART 3157
PART 3158	PART 3159
PART 3160	

EXCESS LENGTH	H	M	L	E
2 tonnes	29	22	16	10
VB	6	6	6	6
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
H	T	V	H	T	V	D		5	5



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 23.928 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE



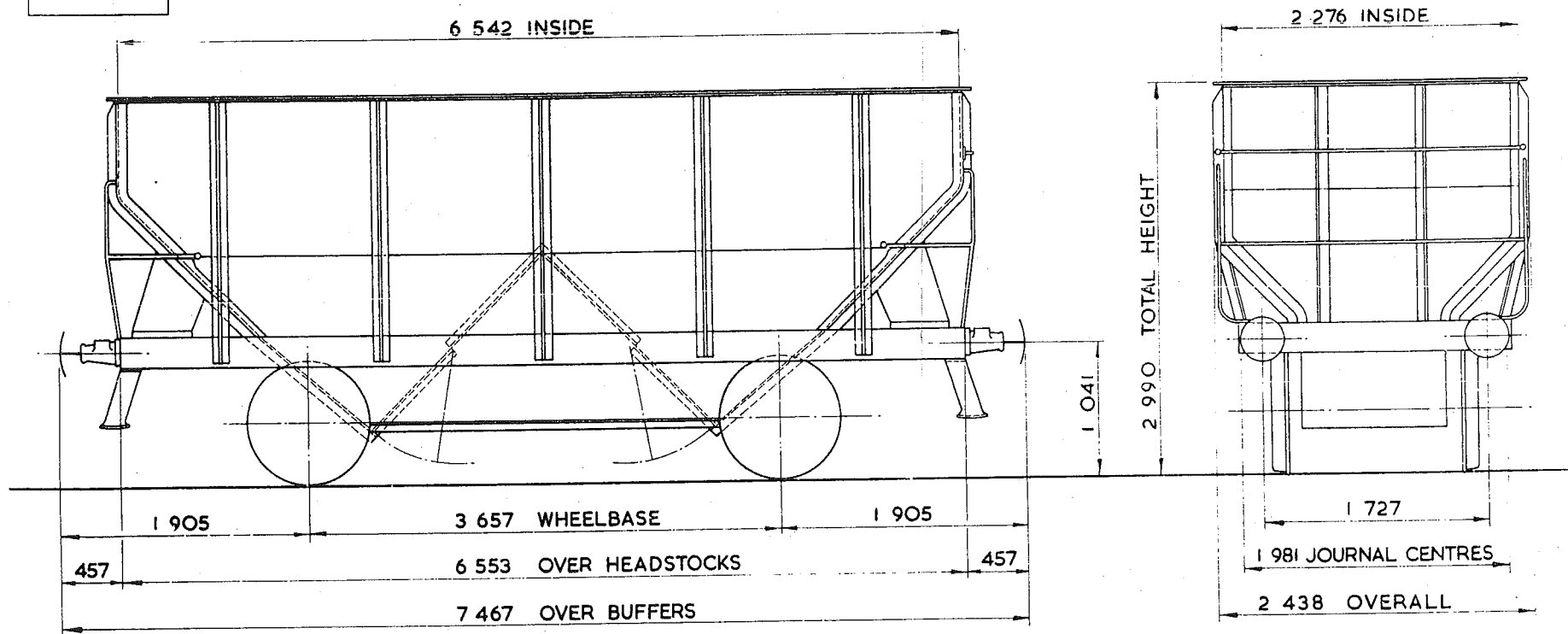
# HOPPER COAL WAGON

HT005A

LOT NUMBER
EX 2052
EX 2053
EX 2054

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
H	T	Ø	H	T	Ø
D					
					17



TARE	9800 kg
CARRYING CAPACITY	21500 kg
CAPACITY	23.928 m <sup>3</sup>
MAX. SPEED	50 mile / h
WHEELS	952 DIA.
JOURNALS	254 X 127 PLAIN BEARINGS

BUFFERS	SPINDLE 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m
GEN. ARRGT. DRG. No.	
BRAKE	HAND LEVER
SUSPENSION	SHOE

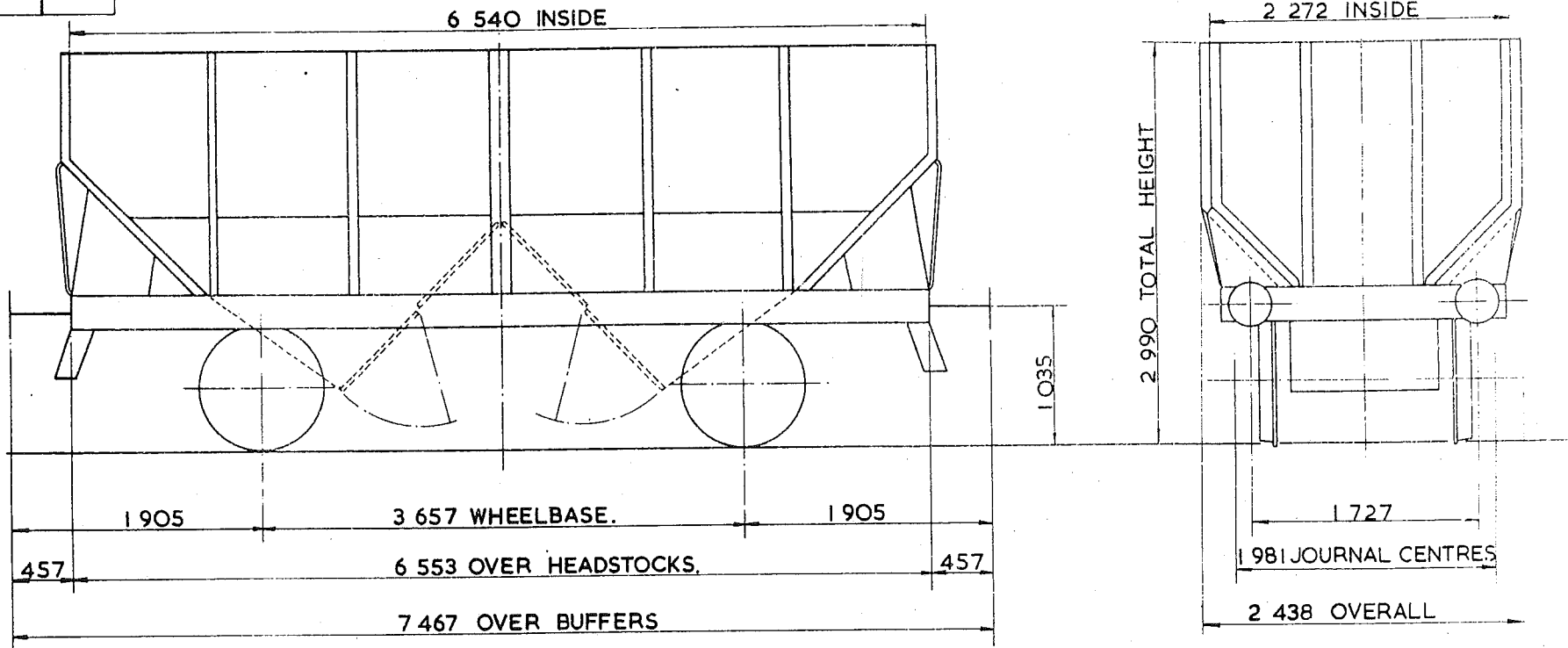
# HOPPER WAGON

HT006A

LOT NUMBER	
PART 2163	PART 2164
PART 2165	PART 2166
PART 2167	PART 2168
PART 2212	

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TUPS CODE		
CARKND	AARKND	OPERATING PART No.
HT	HT	D 17



TARE -- 9250kg, TO 9900kg.
CARRYING CAPACITY -- 21500kg.
CAPACITY -- 23.902m <sup>3</sup> .
MAX. SPEED -- 50 mile/h
WHEELS -- 939 DIA.
JOURNALS -- 254x127. PLAIN BEARINGS

BUFFERS -- SPINDLE 330 DIA. HEADS.
COUPLINGS -- INSTANTER.
MIN. CURVE -- 26m.
GEN. ARRGT. DRG. No. -- HN. 5110 & 16417N.
BRAKE -- HAND LEVER
SUSPENSION -- SHOE.

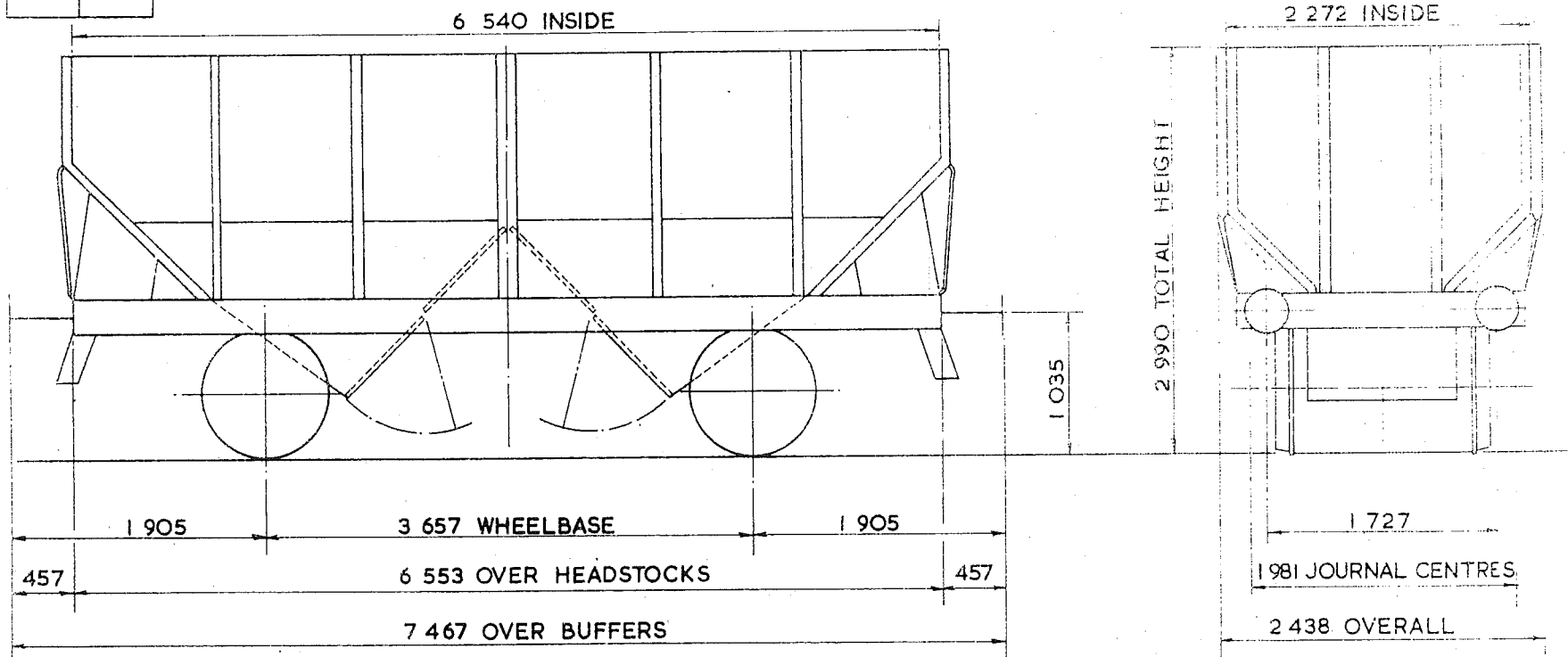
# HOPPER COAL WAGON

FIGURE

LOT NUMBER	
PART 2163	PART 2164
PART 2165	PART 2166
PART 2167	PART 2168
PART 2212	

EXCESS LENGTH	H	M	L	E
tonnes	28	22	15	10
— VB				
— AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE		
CARKND	AARKND	REFLECTOR
H T Ø	H T Ø	D
		17



TARE - 9 500kg
CARRYING CAPACITY - 21 500kg
CAPACITY - 23,902 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 939 DIA.
JOURNALS - 124 DIA ROLLER BEARINGS

BUFFERS - SPINDLE 33ODIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - HN 5110, 16417N
BRAKE - HAND LEVER
SUSPENSION - SHOE

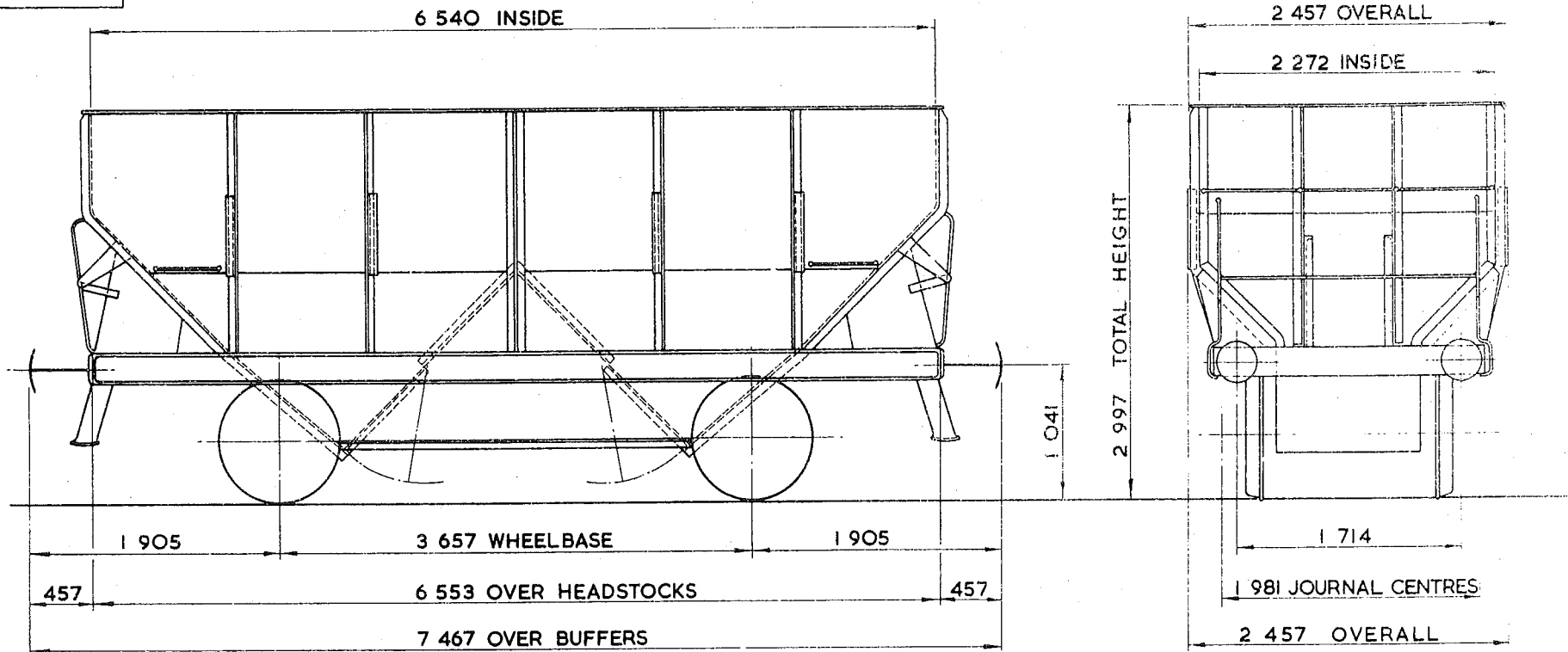
# HOPPER COAL WAGON

HT007A

LOT NUMBER
PART 2402
PART 2403

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	ΛARKND	OPERATING PANEL			
H	T	Ø	H	T	Ø
					D
					1 7



TARE --	10 000 kg
CARRYING CAPACITY--	21 500 kg
CAPACITY --	23.899 m <sup>3</sup>
MAX. SPEED --	50 mile / h
WHEELS --	952 DIA.
JOURNALS--	254 X 127 PLAIN BEARINGS

BUFFERS--	SPINDLE 330 DIA. HEADS
COUPLINGS--	INSTANTER
MIN. CURVE--	26 m
GEN. ARRGT. DRG. No. --	
BRAKE--	HAND LEVER
SUSPENSION--	SHOE

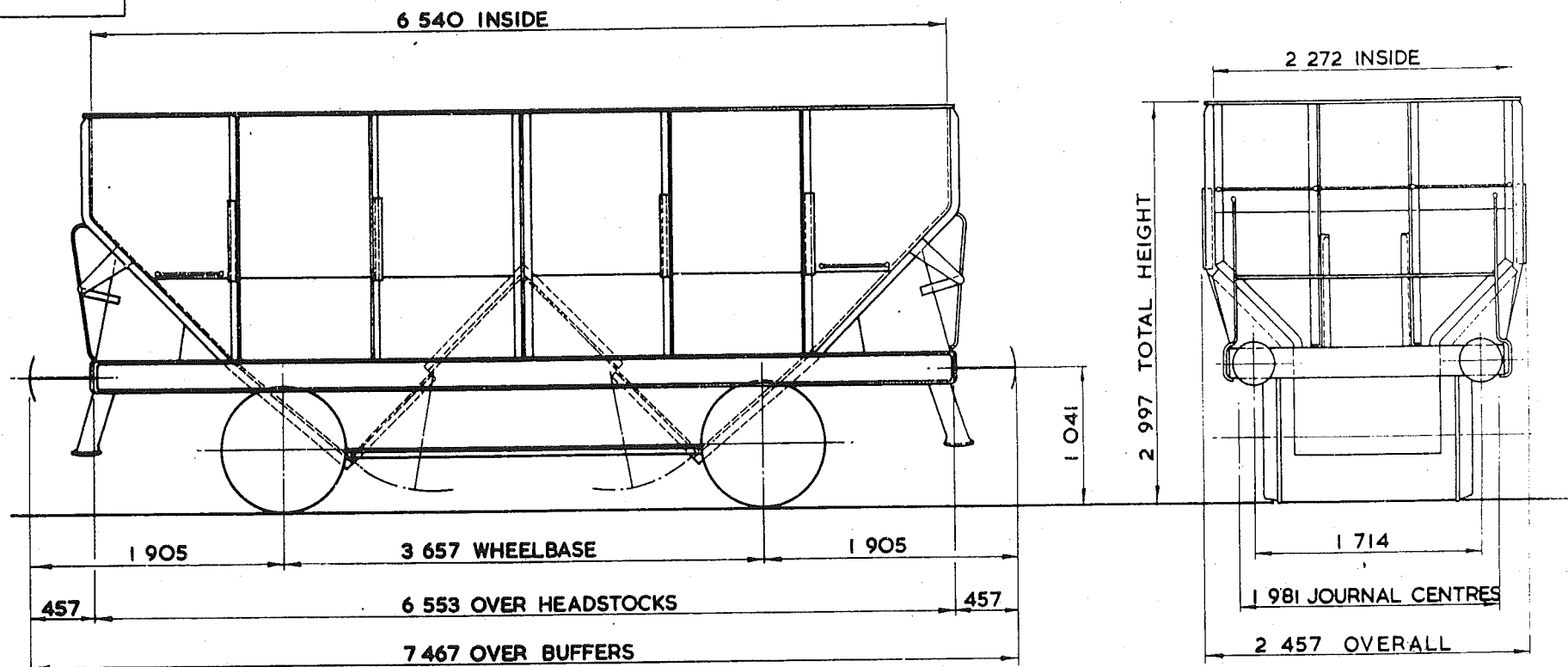
# HOPPER COAL WAGON

HT007D

LOT NUMBER
PART 2402
PART 2403

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	Ø	H	T	Ø
			D		
					17



TARE -	10 000 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23,899 m <sup>3</sup>
MAX. SPEED -	50 mile / h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRGT. DRG. No. -	
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

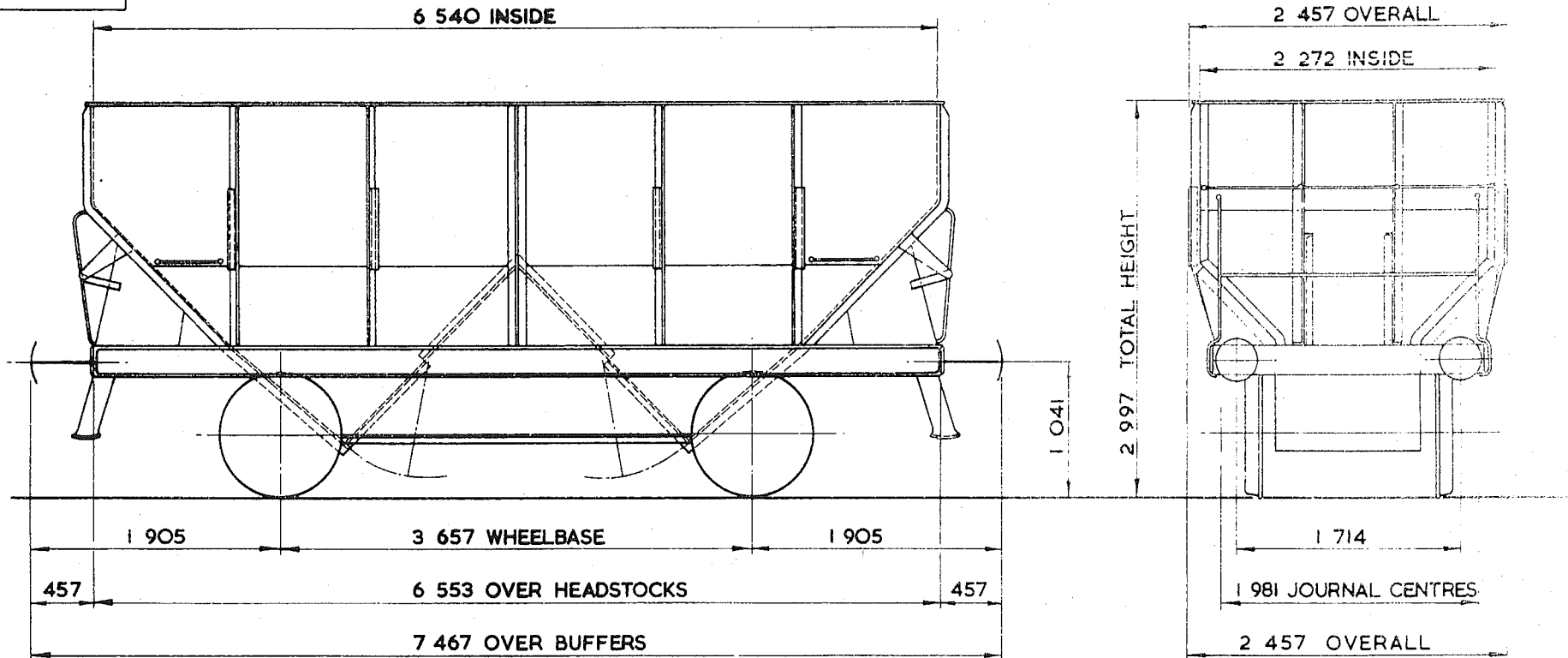
# HOPPER COAL WAGON

HT007C

LOT NUMBER

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	16	10	
VB	3	3	3	3	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
H T V	H T V	D		5	5



TARE -	10 000 kg
CARRYING CAPACITY	21 500 kg
CAPACITY	23 899 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	254 X 127 PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRG. DRG. No. -	
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

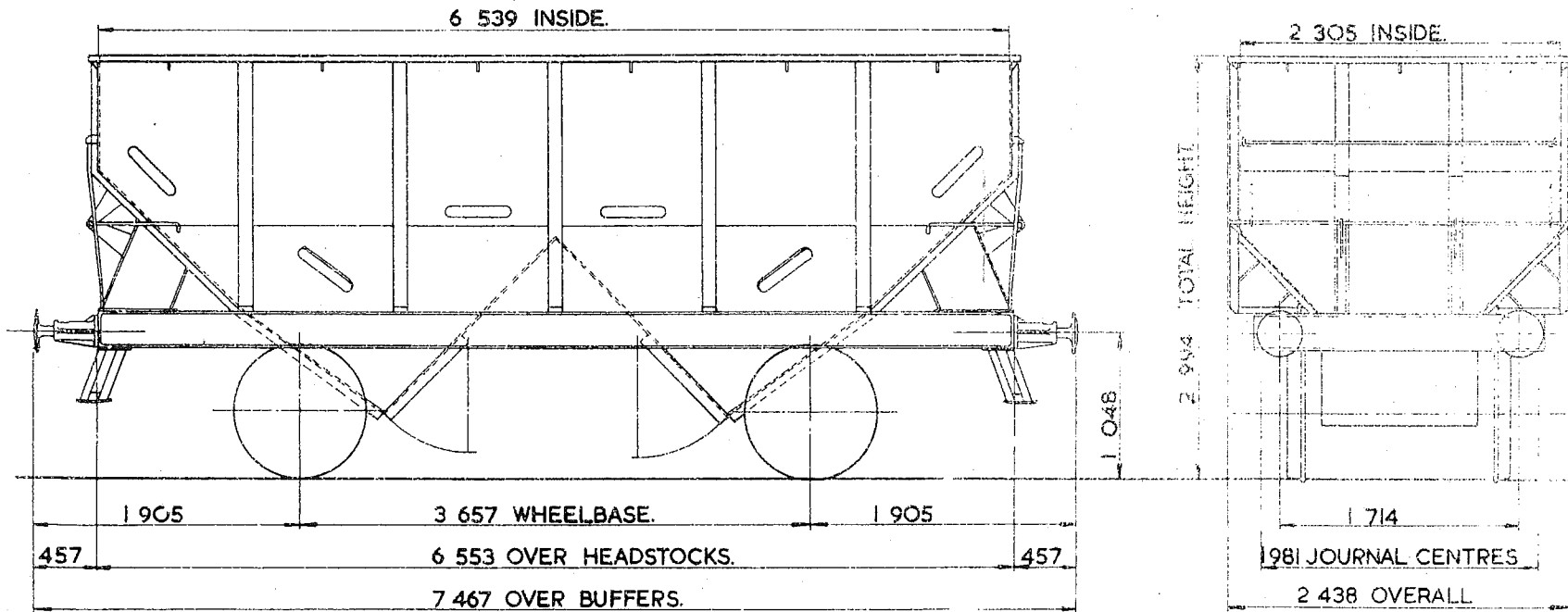
# HOPPER COAL WAGON

HT008A

LOT NUMBER	
EX 2330	EX 2400
EX 2401	EX 2552
EX 2713	EX 2726
EX 2727	EX 2731

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
V-B				
A-B				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
H T Ø	H T Ø D	1 7



TARE - 9450 kg.
CARRYING CAPACITY - 21500 kg.
CAPACITY - 23.928 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26 m.
GEN. ARRGT. DRG No. -
BRAKE - HAND LEVER
SUSPENSION - SHOE.

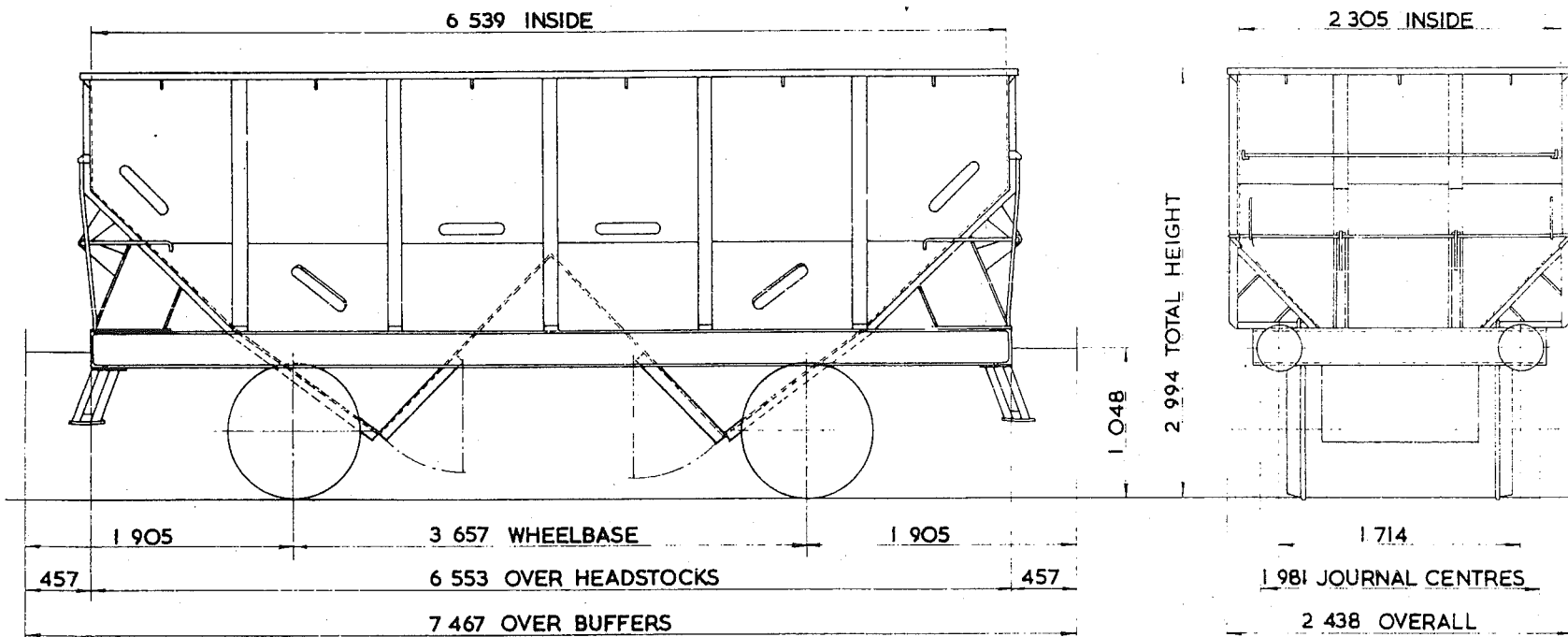
# HOPPER COAL WAGON

HT008C

LOT NUMBER
EX 2552
EX 2713
EX 2726
EX 2731

EXCESS LENGTH	2	H	M	L	E
tonnes	29	22	16	10	
VB	6	6	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No.		
HTV	HTV	D		5	5



TARE - 9 450 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 23,928 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 X 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No.
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE



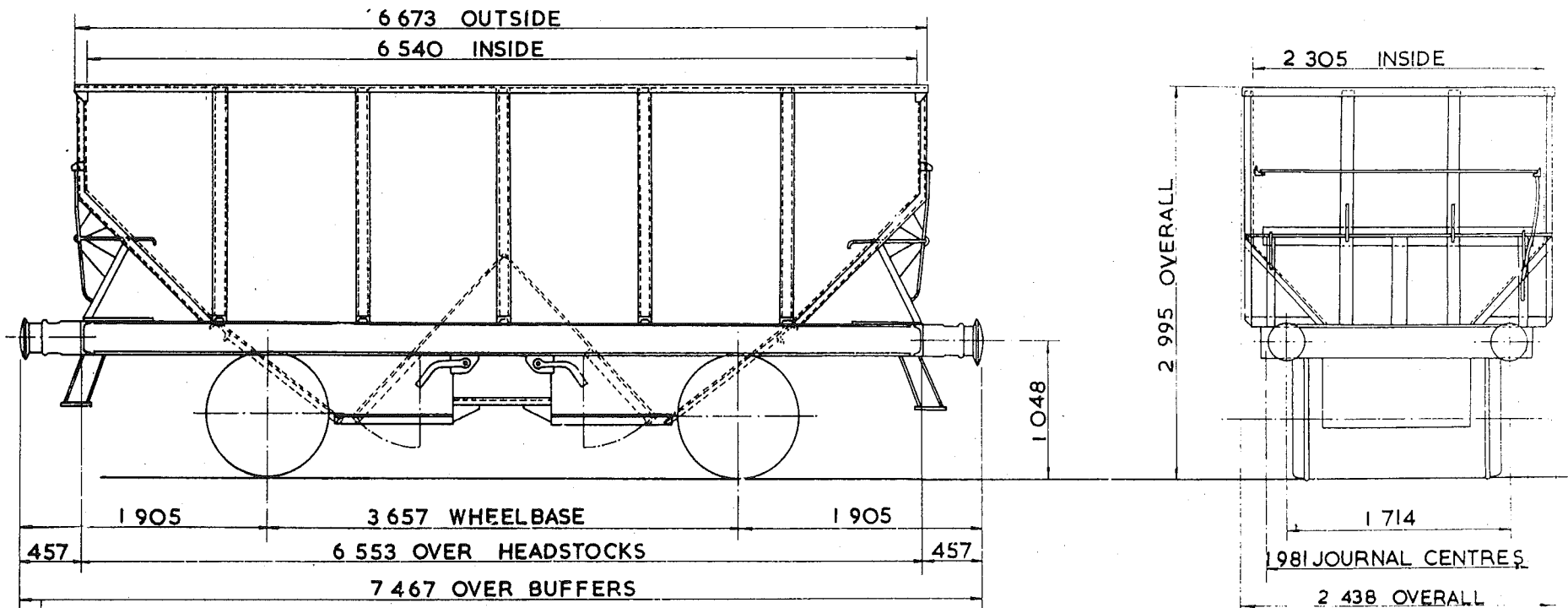
# HOPPER COAL WAGON

HT 009A

LOT NUMBER
PART 3120
3160
PART 3157

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
H	T	Ø	H	T	Ø
					17



TARE - 9550kg.
CARRYING CAPACITY - 21500kg.
CAPACITY - 23.928 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG No. -SW/DN/21934., SW/DN/22044.
BRAKE - HAND LEVER
SUSPENSION - SHOE.

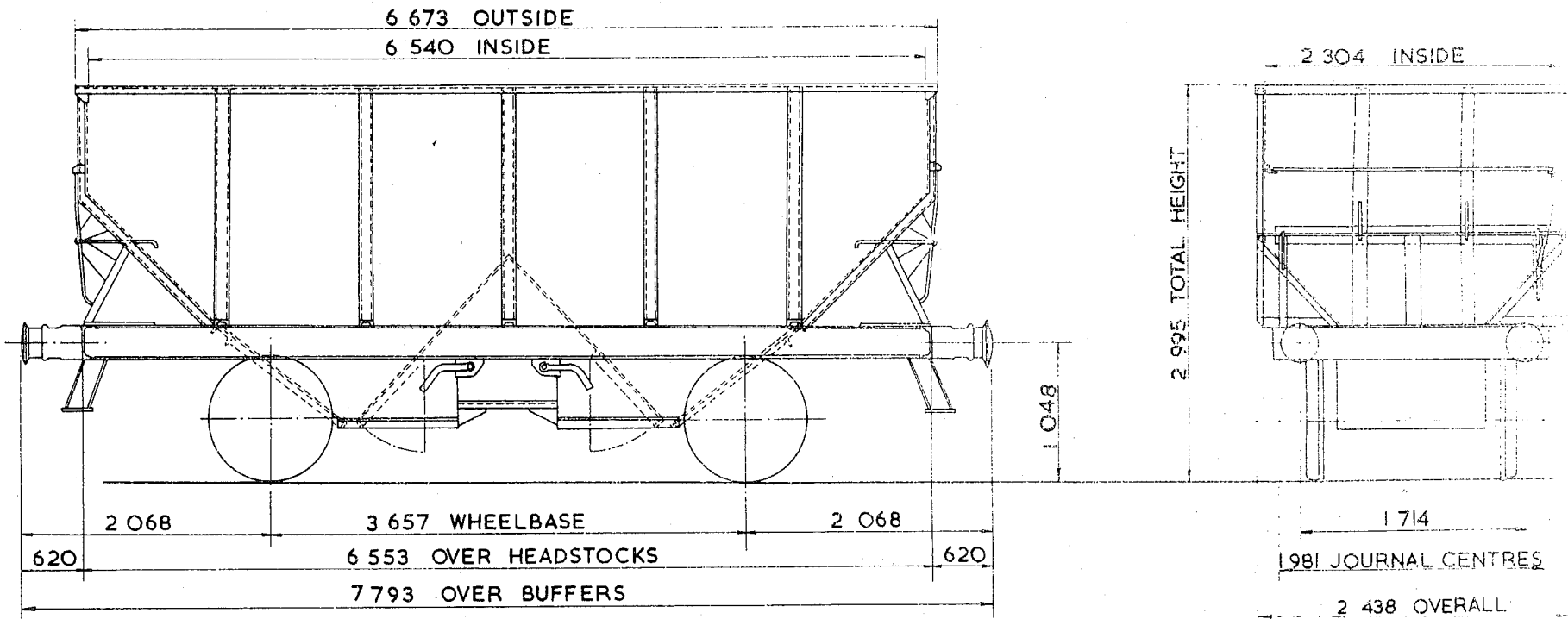
# HOPPER COAL WAGON

HT 011A

LOT NUMBER
PART 3120

EXCESS LENGTH <sup>2</sup>	H	M	L	E
tonnes	29	22	16	10
V-B				
A-B				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE			
CARKND	AARKND	OPERATING PANEL No.	
HTØ	HTØ	D	17



TARE - 9550kg.
CARRYING CAPACITY - 21500kg.
CAPACITY - 23.928m <sup>3</sup> .
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 X 127 PLAIN BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INTERNATIONAL SCREW
MIN. CURVE - 26 m
GEN. ARRGT DRG No. - SW/DN/21934, SW/DN/22044.
BRAKE - HAND LEVER
SUSPENSION - SHOE.

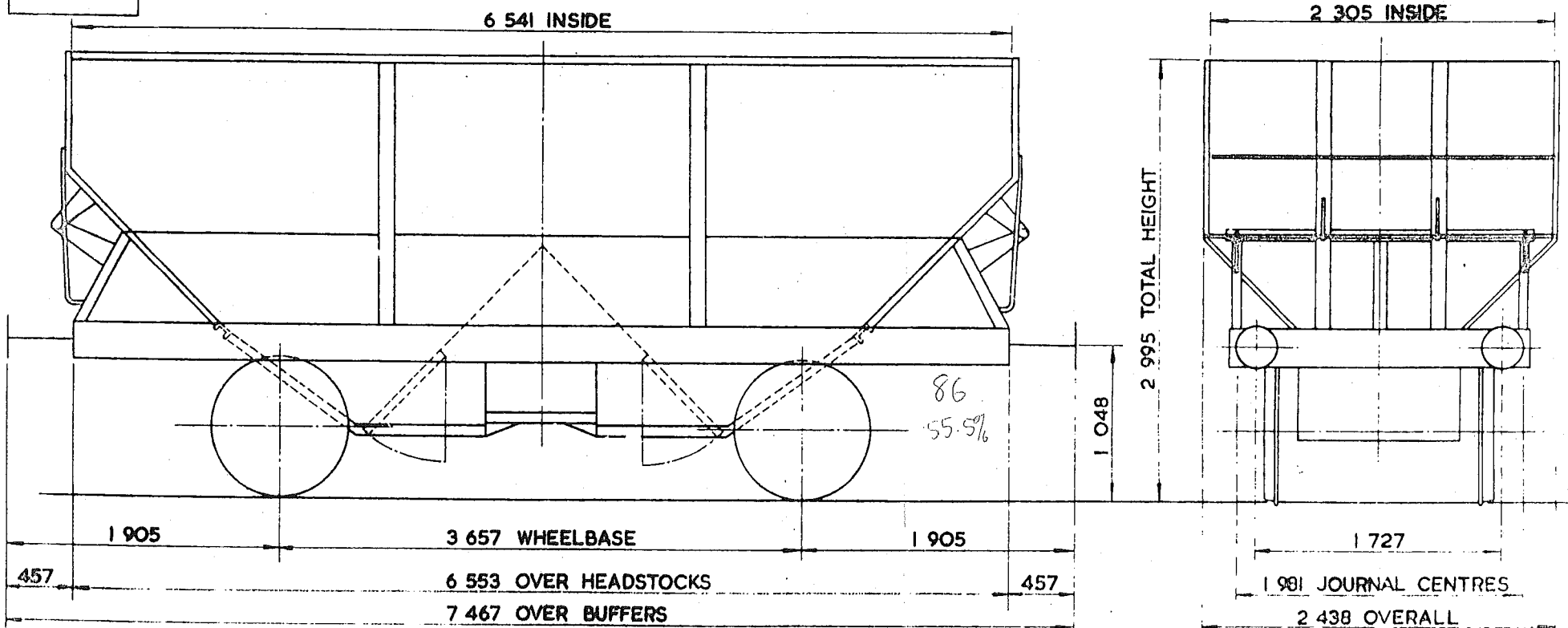
# HOPPER WAGON

# HTO30A

LOT NUMBER
PART 3916

EXCESS LENGTH	2	H	M	L	E
tonnes	35	29	22	10	
VB	6	6	6	6	
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
H	T	V	H	T	V
			3	2	5



TARE -	9500 kg
CARRYING CAPACITY -	25 000 kg
CAPACITY -	25.613 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26 m.
GEN. ARRGT. DRG. No. -	F-S-2246
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

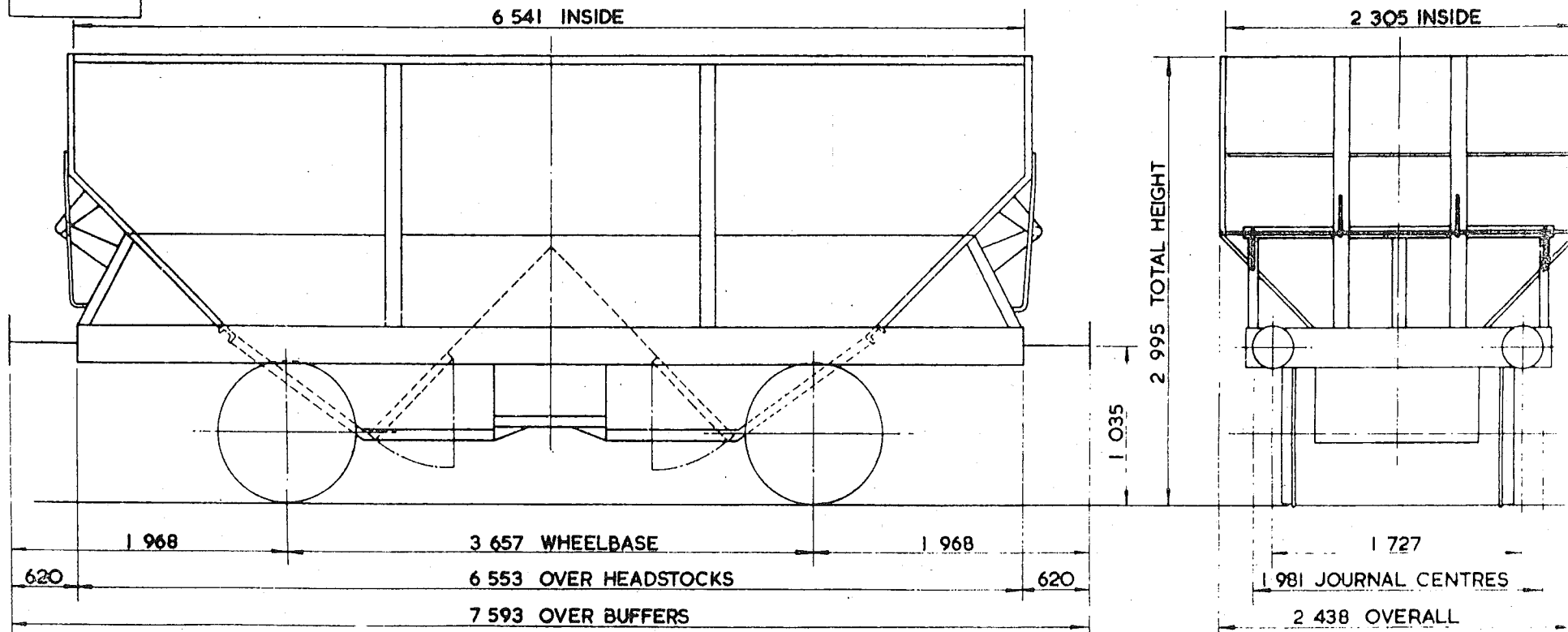
# HOPPER WAGON

HTO30C

LOT NUMBER
<b>PART 3916</b>

EXCESS LENGTH	2	H	M	L	E
tonnes	35	29	22	10	
VB	6	6	6	6	
AB					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	T	V	H	T	V
				3	2 5



TARE -	9 500 kg
CARRYING CAPACITY -	25 000 kg
CAPACITY -	25.613 m <sup>3</sup>
MAX. SPEED -	50 mile/h.
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SELF CONTAINED 406 DIA. HEADS
COUPLINGS	INTERNATIONAL SCREW
MIN. CURVE -	26 m.
GEN. ARRG. DRG. No. -	F-S-2246
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

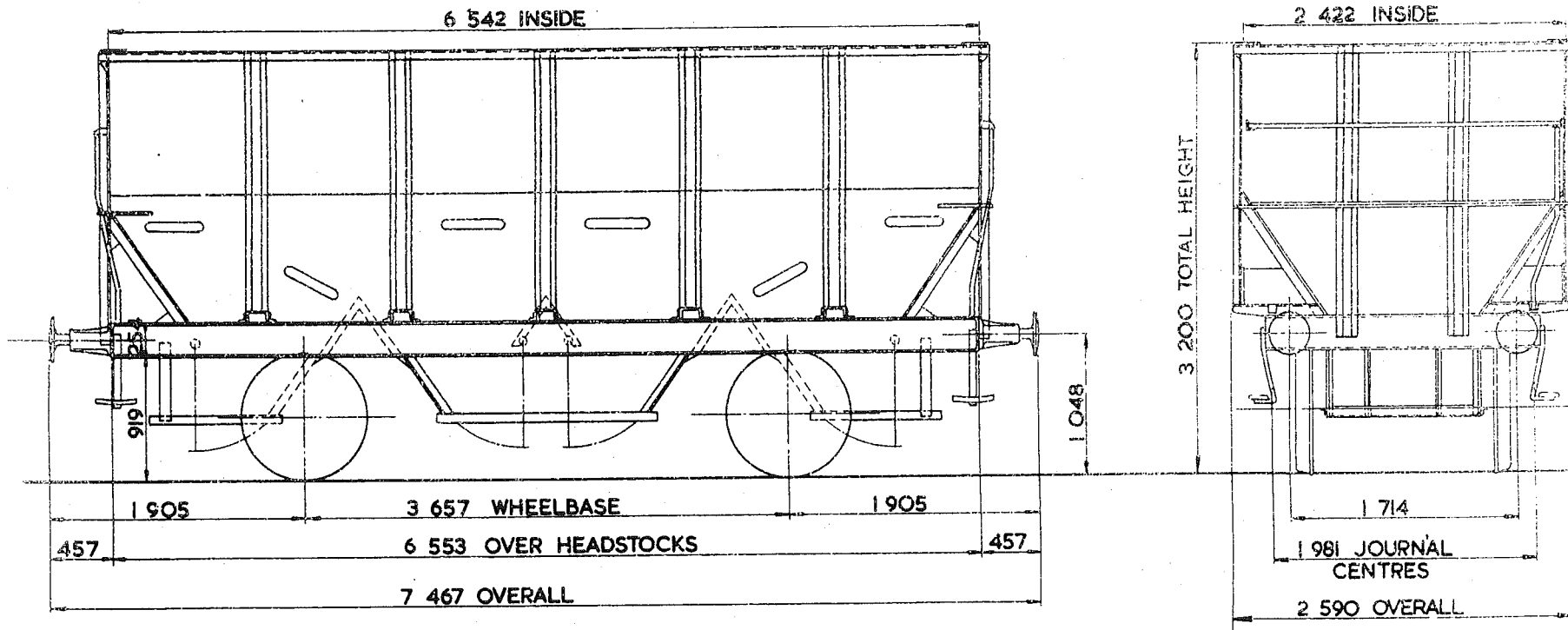
# HOPPER COAL WAGON

HU001A

LOT NUMBER
2504
PART 2609

EXCESS LENGTH <sup>2</sup>	H	M	L	E
tonnes	32	26	17	11
VB				
AB				
RA	4	2	1	1
MAX. SPEED	50	50	50	50

TOPS CODE			
CARKND	AARKND	OPERATING PANEL No.	
HUØ	HUØ	F	14



TARE - 10250 kg.
CARRYING CAPACITY - 24900 kg.
CAPACITY - 29.053 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 939 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m.
GEN. ARRGT. DRG No. - SW/ES 199
BRAKE - HAND LEVER
SUSPENSION - SHOE

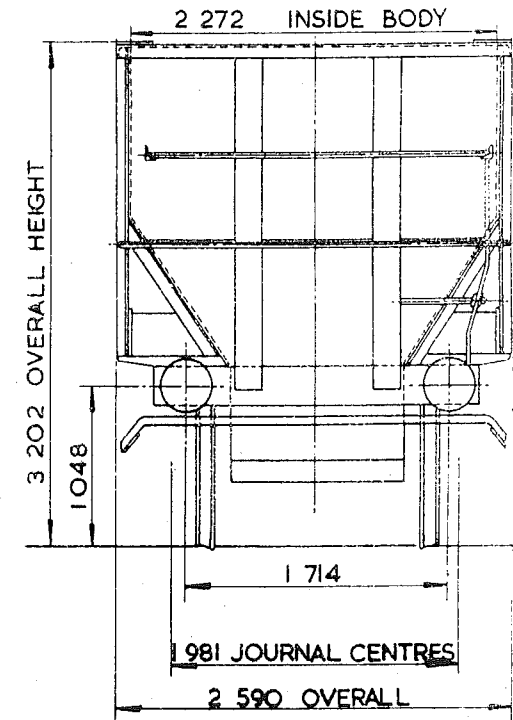
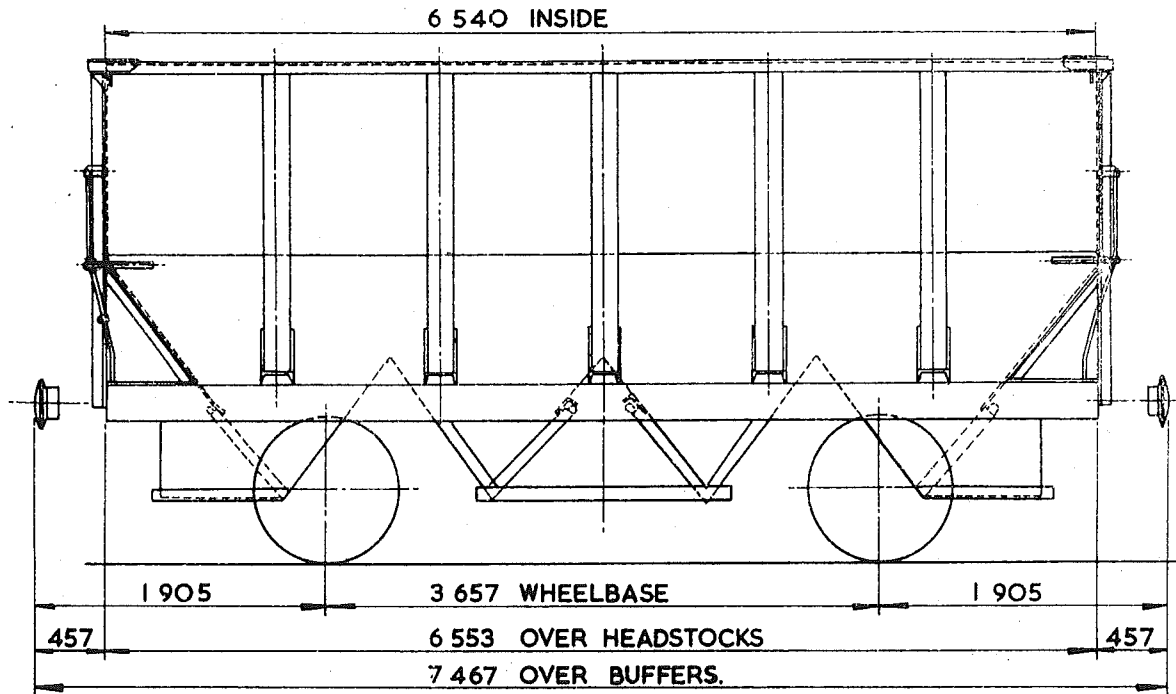
# HOPPER COAL WAGON

HU001B

LOT NUMBER
3426

EXCESS LENGTH <sup>2</sup>	H	M	L	E
tonnes	32	26	17	11
V-B				
A-B				
RA	4	2	1	1
MAX SPEED	50	50	50	50

TOPS CODE			
CARKND	AARKND	OPERATING PANEL No.	
HUØ	HUØ	F	158



TARE - 10 750 kg
CARRYING CAPACITY - 24 500 kg
CAPACITY - 29.053 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 ROLLER BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG.No. - SW/DN 27556
BRAKE - HAND LEVER.
SUSPENSION - SHOE

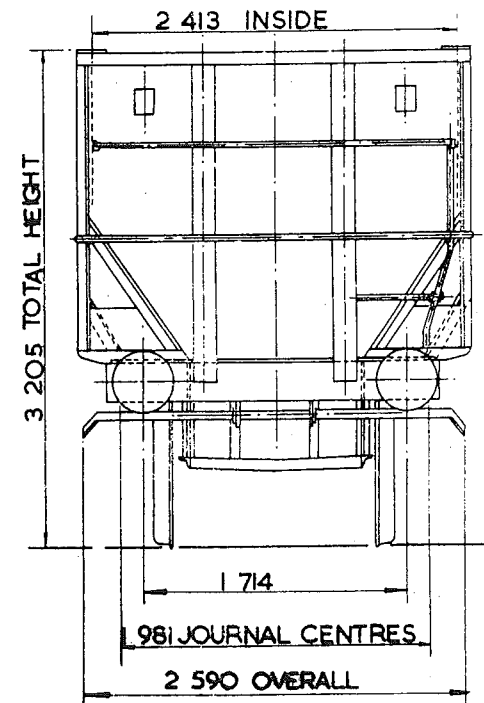
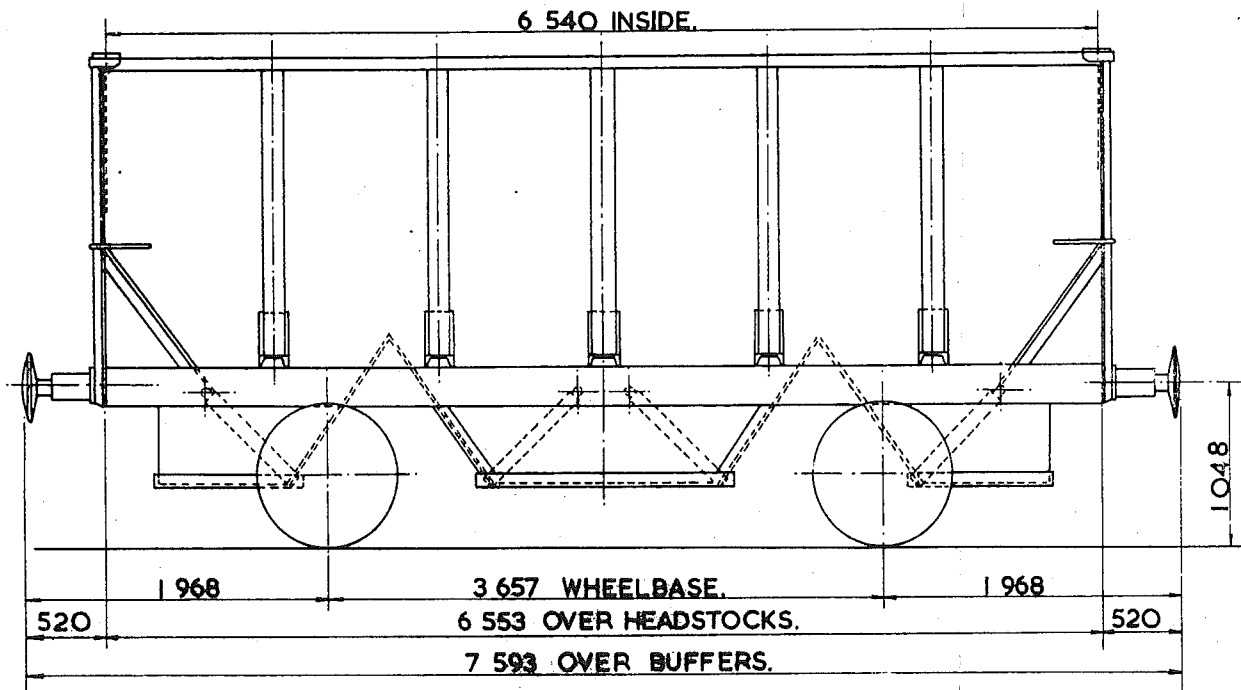
# HOPPER COAL WAGON

HU00IC

LOT NUMBER
PART 3466
PART 3525
PART 3526

EXCESS LENGTH	2	H	M	L	E
tonnes	32	26	17	11	
VB					
AB					
RA	4	2	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
H	U	Ø	H	U	Ø
F			1	5	8



TARE - 10 <sup>700</sup> kg TO 10 <sup>850</sup> kg.
CARRYING CAPACITY - 25 <sup>000</sup> kg.
CAPACITY - 29.053m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - HYDRAULIC 406 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26m.
GEN. ARRGT. DRG. No. - SW/DN/31265.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

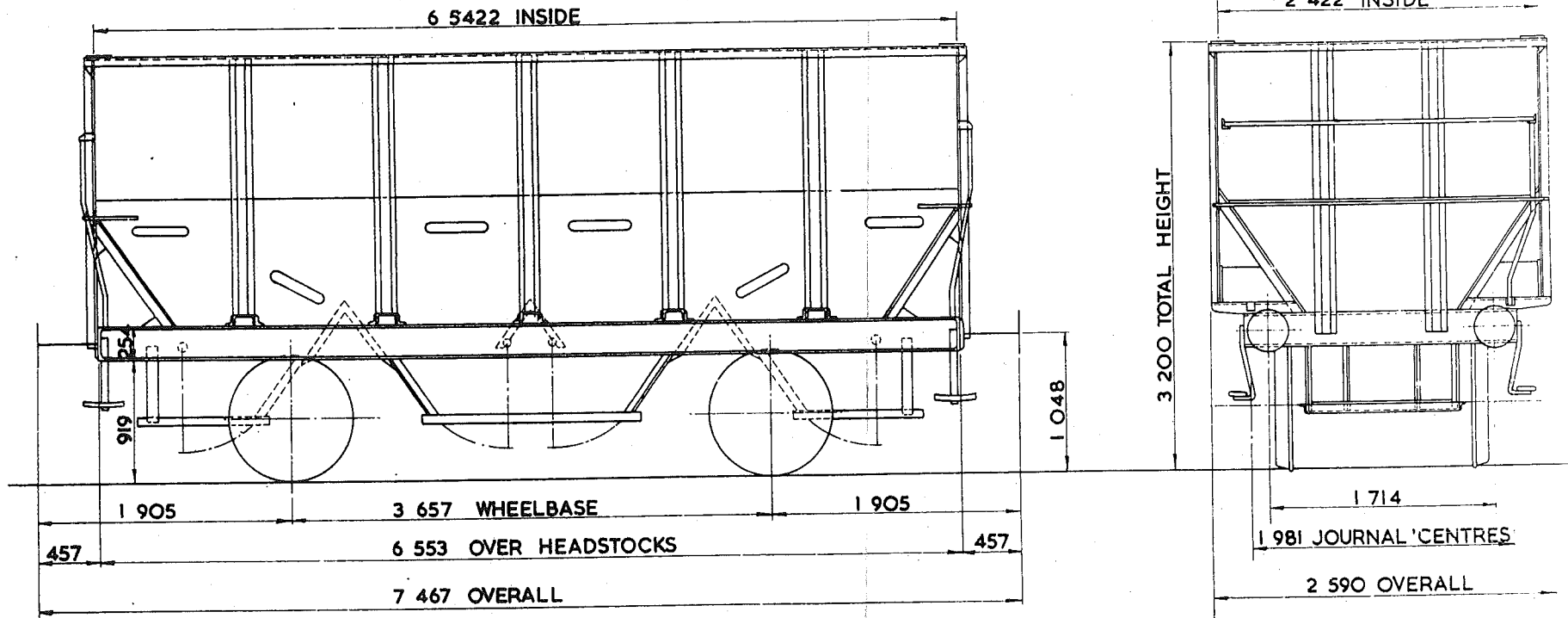
# HOPPER COAL WAGON

HUOOIE

LOT NUMBER
2609
3121
3314
3374
3437

EXCESS LENGTH	2	H	M	L	E
tonnes	32	26	17	11	
VB					
AB					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
H	U	Ø	H	U	Ø F
					1 4



TARE - 10 <sup>250</sup> kg
CARRYING CAPACITY - 24 <sup>900</sup> kg
CAPACITY - 29.053 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 939 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26m
GEN. ARRGT. DRG. No. - SW/ES/199
BRAKE - HAND LEVER
SUSPENSION - SHOE



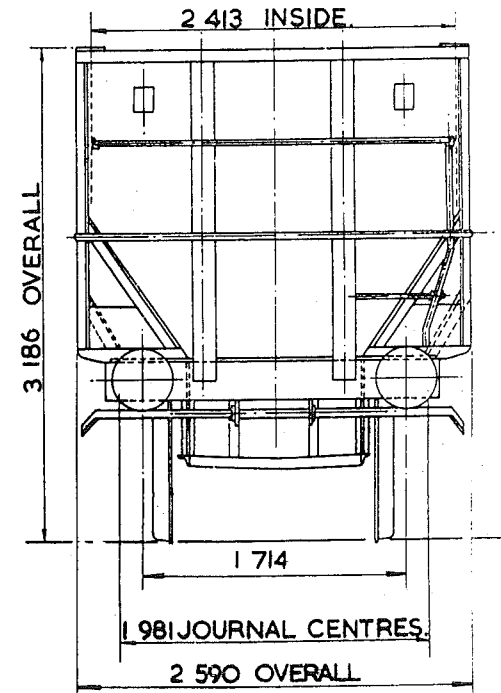
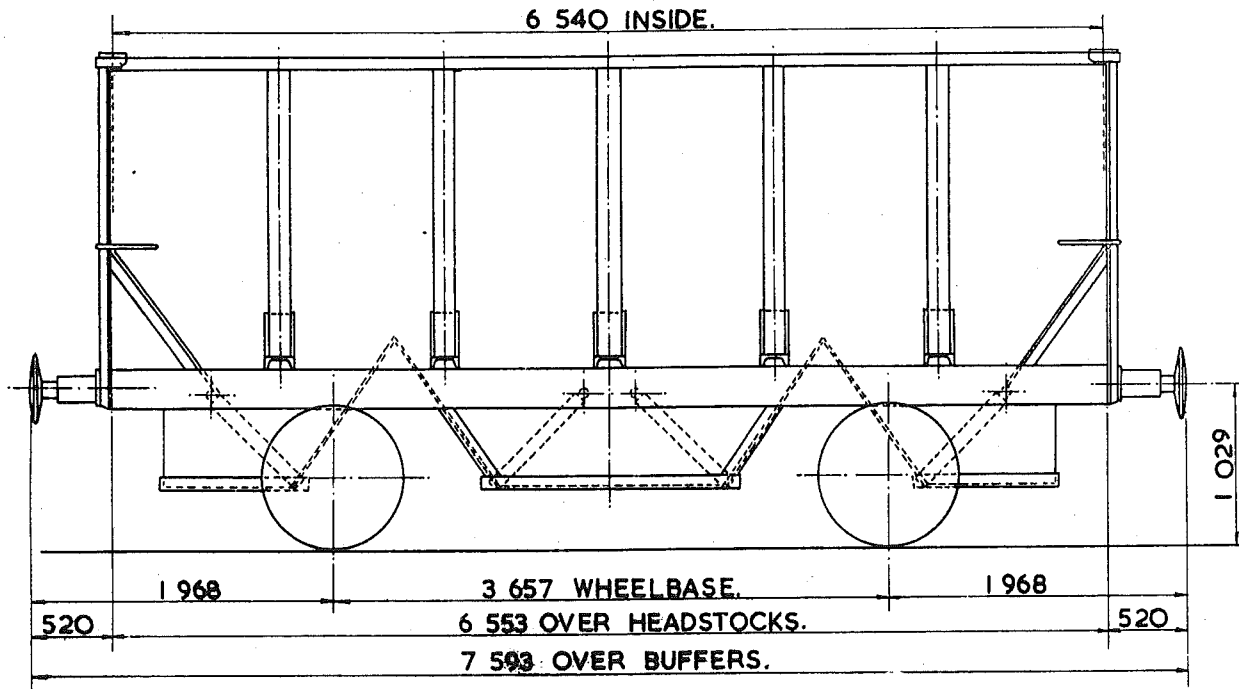
# HOPPER COAL WAGON.

HUO0ID

LOT NUMBER
PART 3466
PART 3525
PART 3526

EXCESS LENGTH	2	H	M	L	E
tonnes	32	26	17	11	
VB					
AB					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANFL No.			
H	U	Ø	H	U	Ø F
					1 5 8



TARE - 10700kg TO 10850kg.
CARRYING CAPACITY - 25000kg.
CAPACITY - 29.053 m <sup>3</sup> .
MAX. SPEED - 50 mile/h.
WHEELS - 914 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS.

BUFFERS - HYDRAULIC 406 DIA HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 26 m.
GEN. ARRGT. DRG. No. - SW/DN/31265.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.



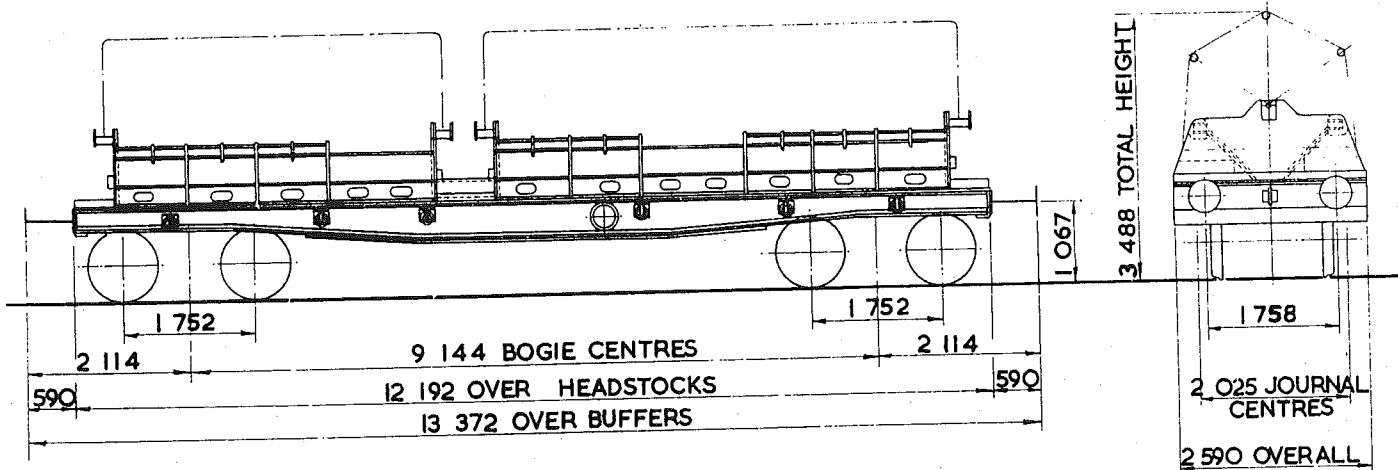
# COIL 'E' WAGON

JEOOIA

LOT NUMBER
EX. 3414

EXCESS LENGTH	I	H	M	L	E
tonnes	69	53	36	25	
VB	9	9	9	9	
AB					
RA	5	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
J	E	V	J	E	V
				1	6
				6	



TARE - 26 200 kg.
CARRYING CAPACITY - 44 500 kg.
CAPACITY -
MAX. SPEED - 50 mile/h.
WHEELS - 914 DIA.
JOURNALS - 280 X 140 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 400 DIA. HEADS
COUPLINGS - B. R. SCREW
MIN. CURVE - 37 m.
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND SCREW
SUSPENSION - PRIMARY COIL

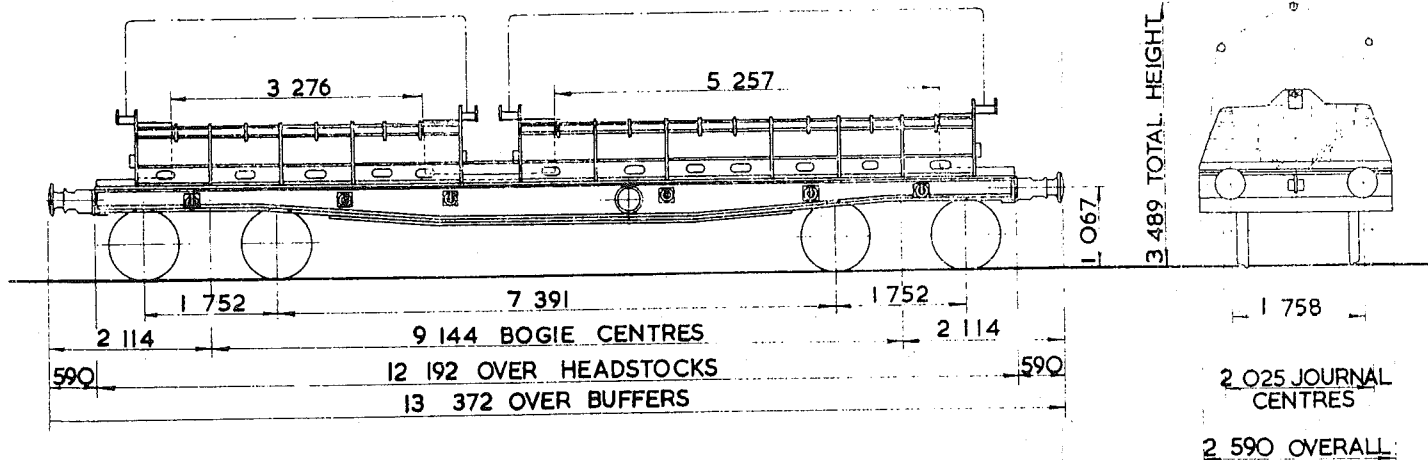
# COIL 'G' WAGON

JG00IA

LOT NUMBER
PART 3414

EXCESS LENGTH	I	H	M	L	E
tonnes	65	54	37	26	
VB	9	9	9	9	
AB					
RA	5	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PART. NO.			
J	G	V	J	G	V	G	1	6	9



TARE - 26 <sup>200</sup> kg
CARRYING CAPACITY - 44 <sup>500</sup> kg
CAPACITY-
MAX. SPEED - 50 mile/h
WHEELS - 914 DIA.
JOURNALS - 280 X 140 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 400 DIA HEADS
COUPLINGS - B. R. SCREW
MIN. CURVE - 37m
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND SCREW
SUSPENSION - PRIMARY COIL



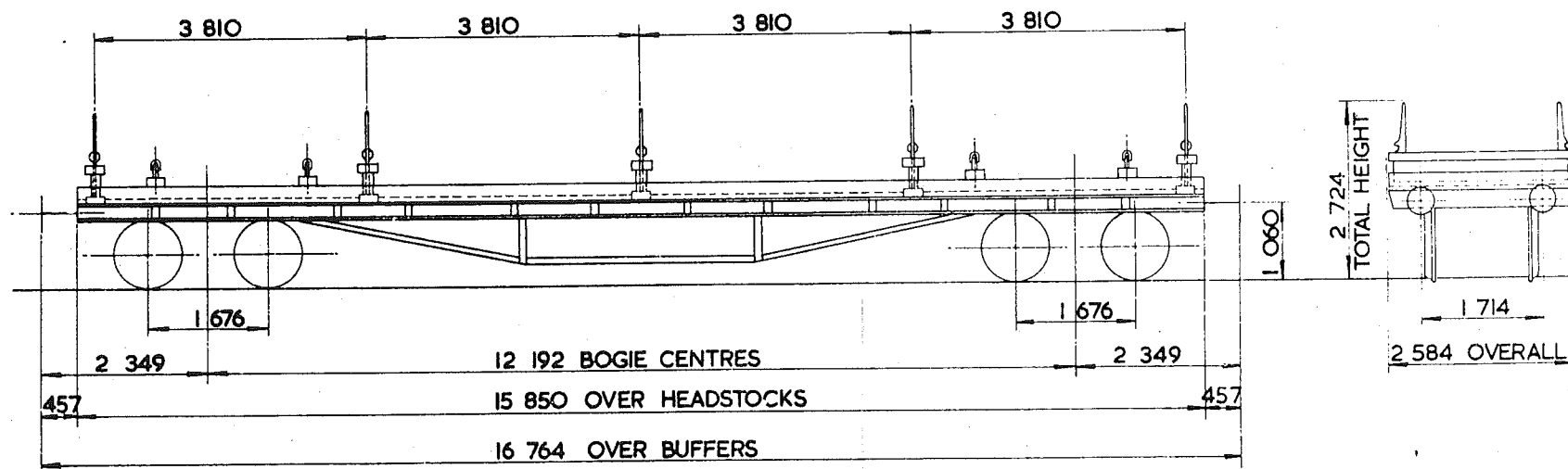
# COIL 'M' WAGON

JM001A.

LOT NUMBER

EXCESS LENGTH	7	H	M	L	E
tonnes	60	49	33	23	
VB	12	12	12	12	
AB					
RA	4	2	1	1	
MAX. SPEED	55	55	55	55	

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No.				
J	M	V	J	M	V	M	1	5	5



TARE --	22300 kg
CARRYING CAPACITY --	42500 kg
CAPACITY --	
MAX. SPEED --	55 mile/h
WHEELS --	952 DIA.
JOURNALS --	254 x 127 PLAIN BEARINGS

BUFFERS --	SELF CONTAINED 457 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	22 m
GEN. ARRGT. DRG. No. --	
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SECONDARY COIL

EX. B.R. DIAGRAM 472.

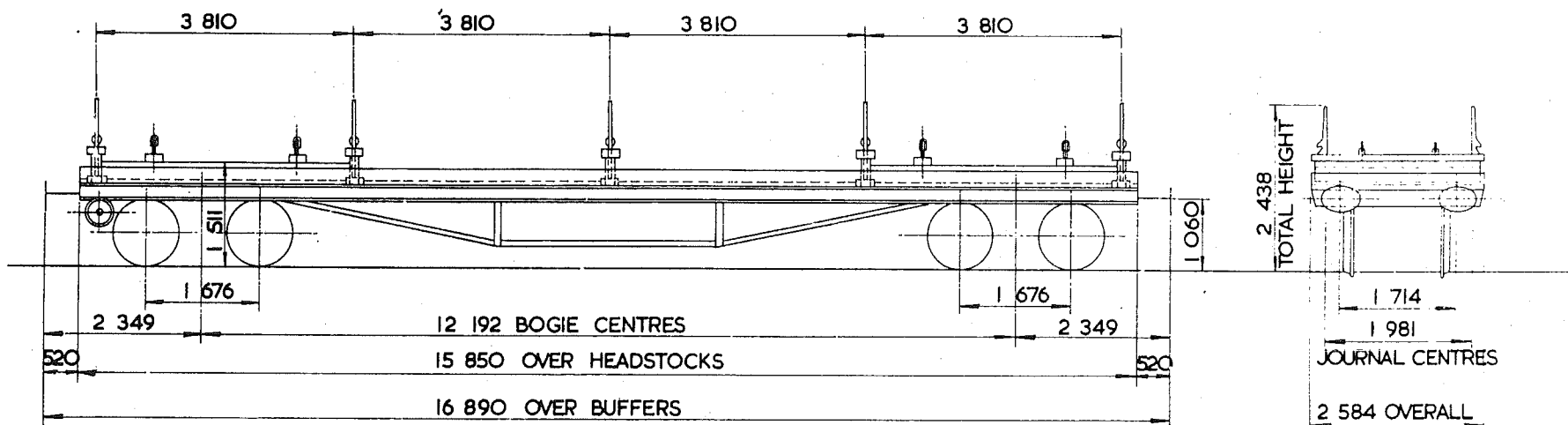
# COIL 'M' WAGON

JMOOIB

LOT NUMBER
<b>EX 3246</b>

EXCESS LENGTH	7	H	M	L	E
tonnes	60	49	33	23	
VB	12	12	12	12	
AB					
RA	4	2	1	1	
MAX. SPEED	60	70	70	70	

TOPS CODE					
CARKND	AARKND		OPERATING PANEL NO.		
J	M	V	J	M	V
					516



TARE --	22400 kg
CARRYING CAPACITY --	42500 kg
CAPACITY --	
MAX SPEED --	55 mile/h
WHEELS --	952 DIA
JOURNALS --	254 x 127 PLAIN BEARINGS

BUFFERS --	610 x 356 OVAL HEADS
COUPLINGS --	B.R. SCREW
MIN. CURVE --	22 m
GEN. ARRGT. DRG. No. --	F-AO-8801, DN 27933
BRAKE --	VACUUM BLOCK & HAND SCREW
SUSPENSION --	SECONDARY COIL

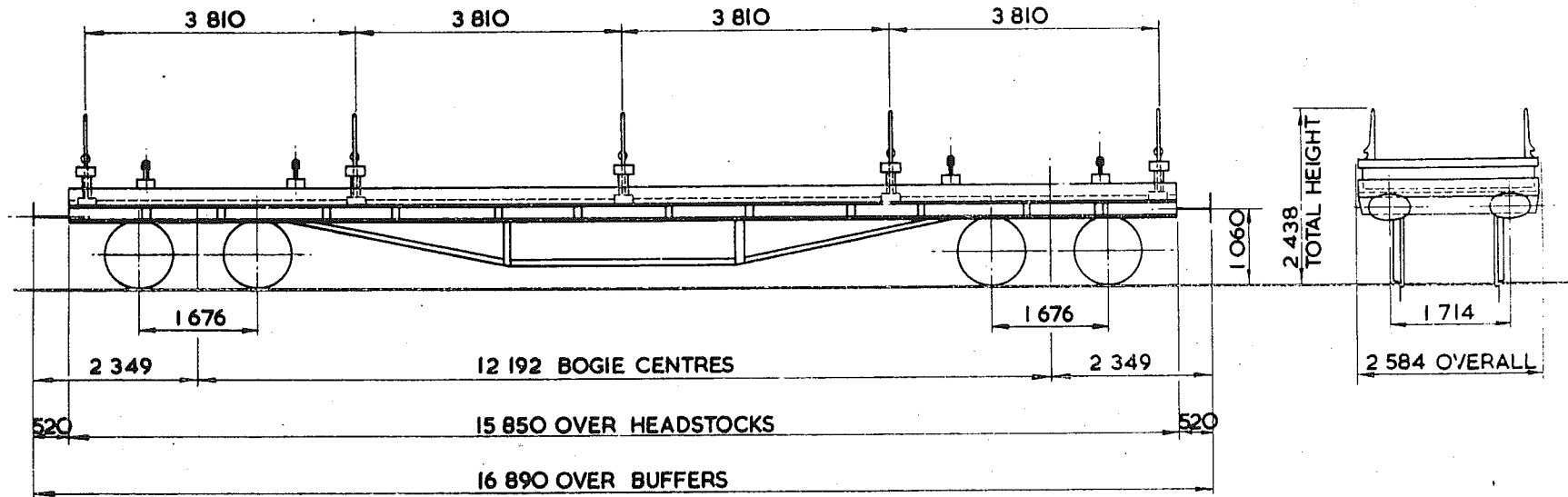
# COIL 'M' WAGON

JMOOIC

LOT NUMBER
EX 3407
EX 3408

EXCESS LENGTH	7	H	M	L	E
tonnes	60	49	33	23	
VB	12	12	12	12	
AB					
RA	4	2	1	1	
MAX. SPEED	60	70	70	70	

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No	
J	M	V	J	M	V
				5	6



TARE -	22 400 kg
CARRYING CAPACITY -	42 500 kg
CAPACITY -	
MAX. SPEED -	70 mile / h
WHEELS -	952 DIA.
JOURNALS -	254 X 127 PLAIN BEARINGS

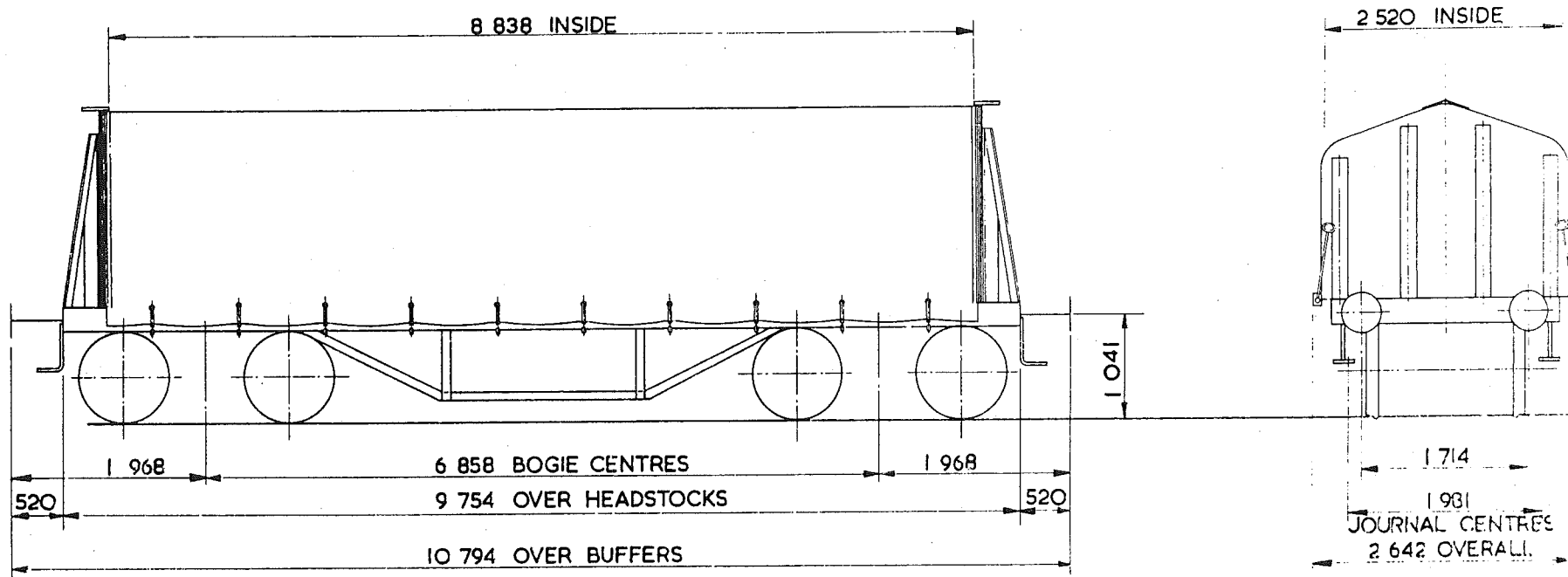
BUFFERS -	SELF CONTAINED 610 X 356 HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	22 m
GEN. ARRGT. DRG. No. -	F-AO-8807
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SECONDARY COIL



LOT NUMBER
<b>EX. 3343</b>

EXCESS LENGTH	H	M	L	F
tonnes	44	36	24	16
VB	9	9	9	9
AB				
MAX. SPEED	55	55	55	55

TOPS. CODE			
CARKND	AARKND		
J	\$	V	J
\$	V	H	1
			5
			9



WGT	14 650 kg
CARRYING CAPACITY-	32 500 kg
CAPACITY-	
MAX. SPEED	55 mile/h
	914 DIA.
	124 DIA. ROLLER BEARINGS

BUFFERS	HYDRAULIC 406 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	32 m
GEN. ARRGT. DRG. No	F-S-7976
BRAKE	VACUUM BLOCK & HAND LEVER
SUSPENSION	SECONDARY COIL

EX. B.R. DIAGRAM 1/496



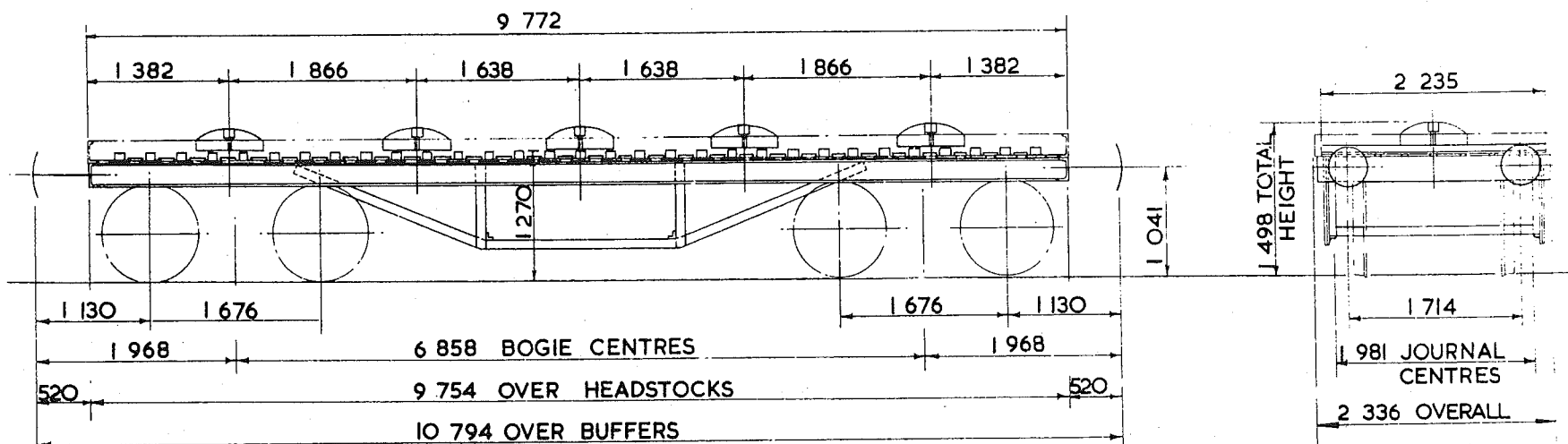
# COIL U WAGON

JU001A

LOT NUMBER
EX 3343
EX 3340

EXCESS LENGTH	H	M	L	E
tonnes	44	36	24	16
VB	9	9	9	9
AB				
RA	1	1	1	1
MAX SPEED	55	55	55	55

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No.				
J	U	V	J	U	V	U	1	5	9



TARE - 16250 kg
CARRYING CAPACITY - 32500 kg
CAPACITY -
MAX. SPEED - 55 mile/h.
WHEELS - 914 DIA.
JOURNALS - III DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 406 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31 m.
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SECONDARY COIL

EX. BR. DIAGRAM 1/4

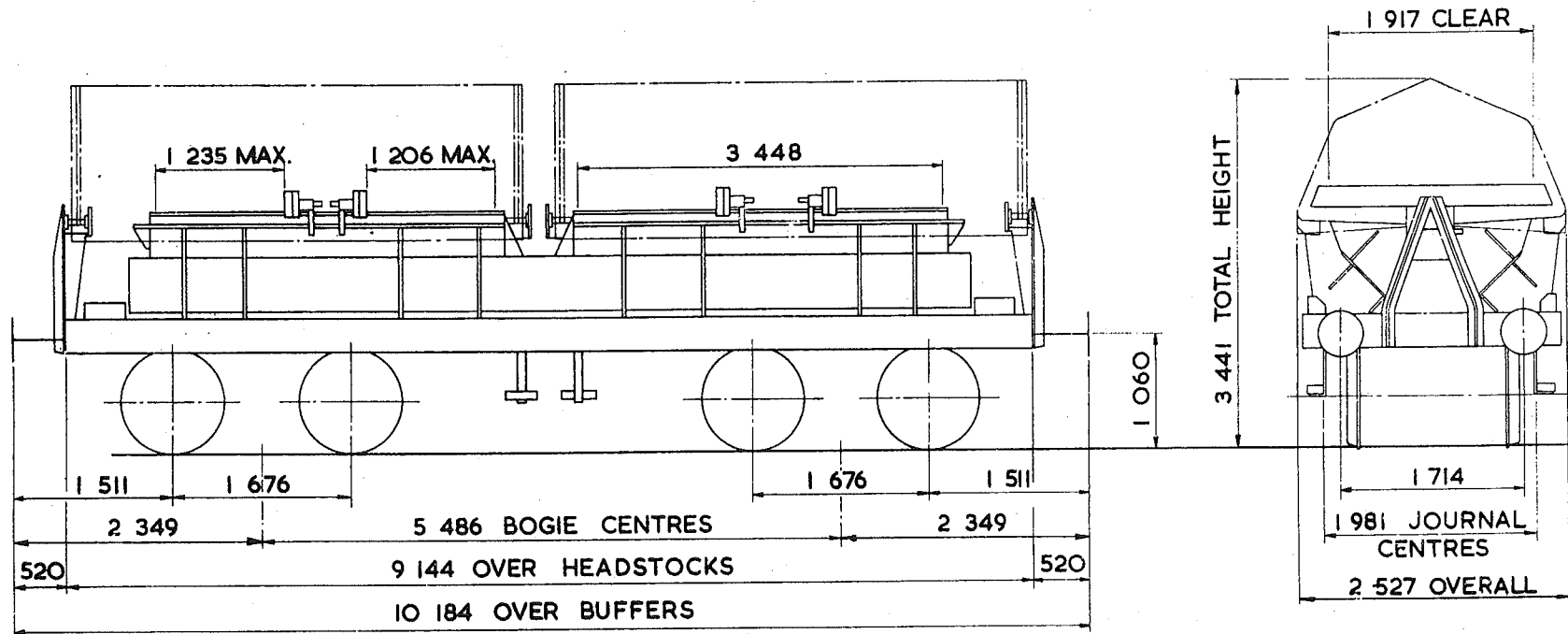
# COIL STRIP WAGON

JVOOIA

LOT NUMBER
3015

EXCESS LENGTH	H	M	L	E
tonnes	83	61	39	23
VB	10	10	10	10
AB				
RA	10	6	3	1
MAX. SPEED	50	50	50	50

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No.				
J	V	V	J	V	V	E	I	6	7



TARF 23250 kg
CARRYING CAPACITY- 61000 kg
CAPACITY-
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 152 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 406 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - SW/SW 1178, SW/SW 1118
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SECONDARY COIL

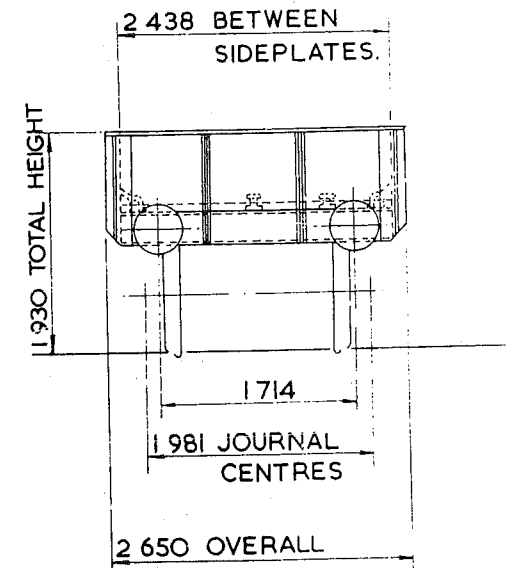
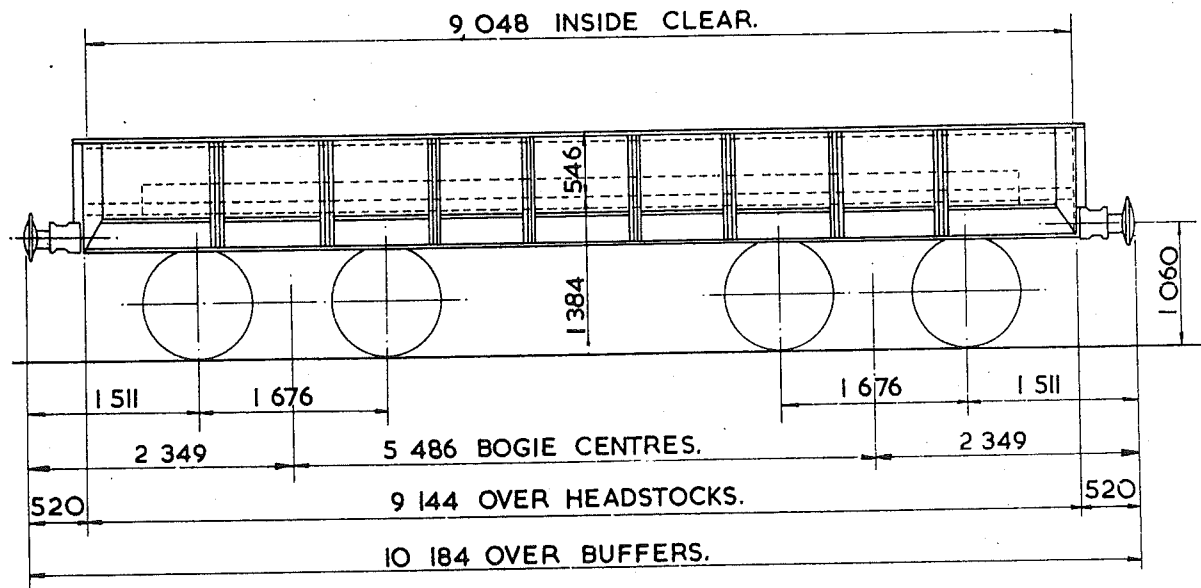
# COIL STRIP WAGON

JWOOIA

LOT NUMBER
3014

EXCESS LENGTH	H	M	L	E
tonnes	65	49	33	23
VB	10	10	10	10
AB				
RA	6	3	1	1
MAX. SPEED	50	50	50	50

TOPS CODE					
CARKND		AARKND		OPERATING PART No.	
J	W	V	J	W	V
C					



TARE - 22550kg.
CARRYING CAPACITY - 42500 kg
CAPACITY - 12.044 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS.

BUFFERS - SELF CONTAINED 406 DIA. HEAD
COUPLINGS - B.R. SCREW
MIN. CURVE - 21m.
GEN. ARRGT. DRG. No. - SW/SW168.
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SECONDARY COIL

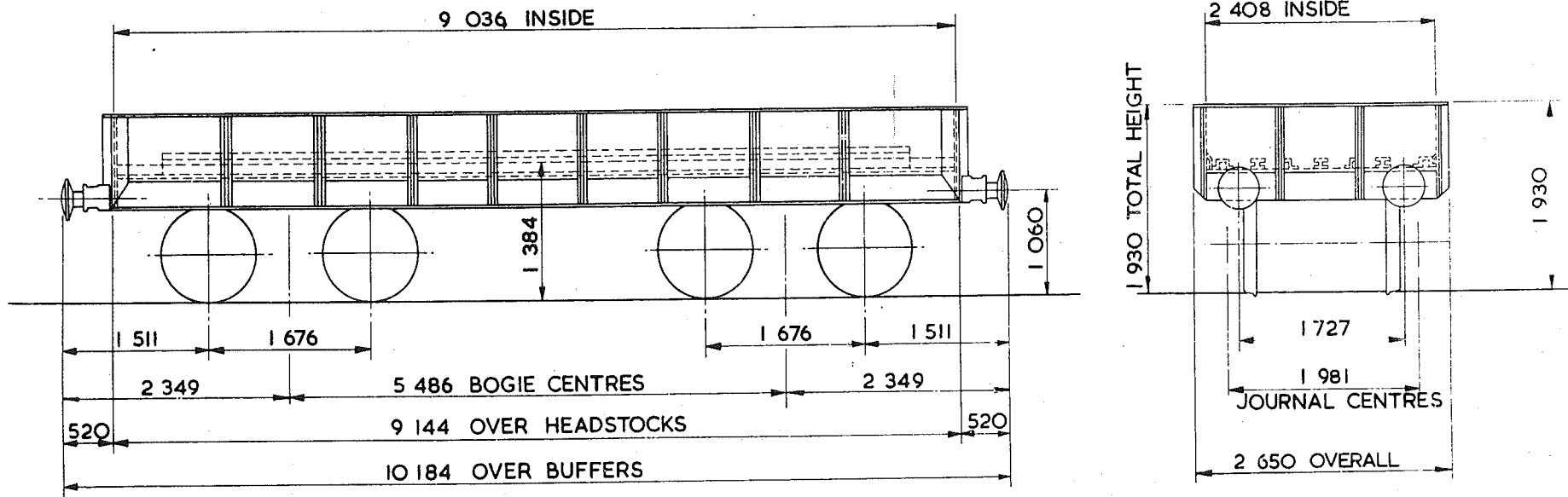
# COIL STRIP WAGON

JY001A

LOT NUMBER
2209

EXCESS LENGTH	H	M	L	E
tonnes	65	49	33	23
VB	10	10	10	10
AB				
RA	6	3	1	1
MAX SPEED	50	50	50	50

TOPS CODE					
CARKND	AARKND	OPERATING PART N.			
J	Y	V	J	V	F



TARE - 23 350 kg
CARRYING CAPACITY - 42 500 kg
CAPACITY -
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 406 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21 m
GEN. ARRGT. DRG No. - SW/SW168
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SECONDARY COIL

EX. B.R. DIAGRAM 407

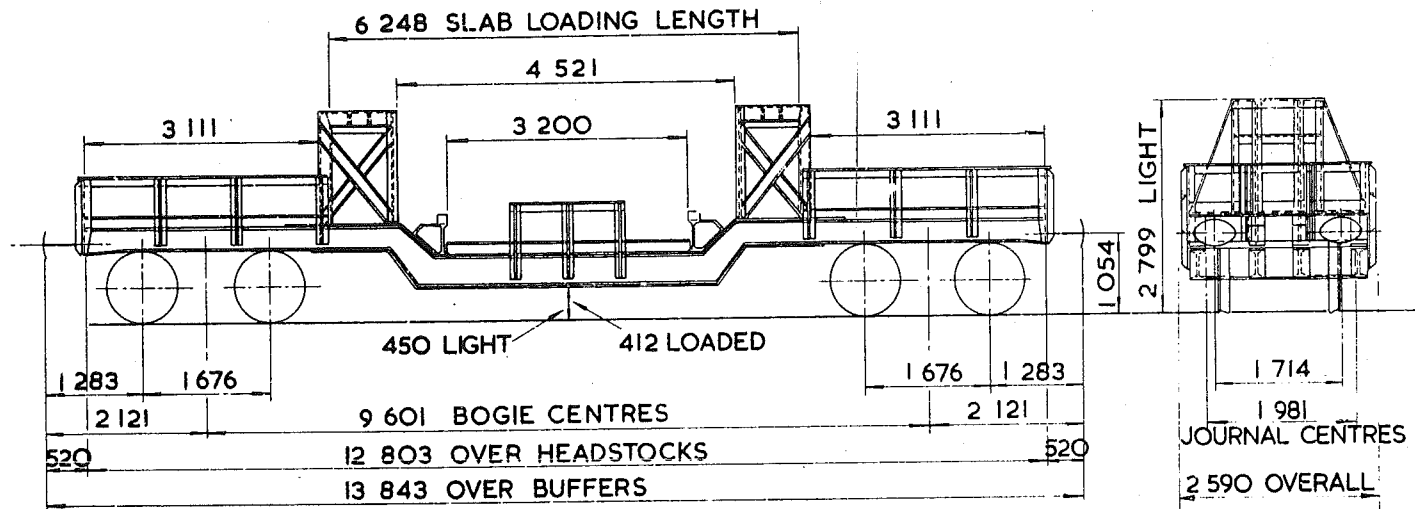
# COIL SLAB WAGON

JZOOIA

LOT NUMBER
3424

EXCESS LENGTH	2	H	M	L	E
tonnes	74	57	40	29	
VB	14	14	14	14	
AB					
RA	6	4	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
J	Z	V	J	Z	V	H	I	6	3



TARE -- 29050 kg
CARRYING CAPACITY-- 46000 kg
CAPACITY --
MAX. SPEED -- 50 mile/h.
WHEELS -- 952 DIA.
JOURNALS--140 DIA. ROLLER BEARINGS

BUFFERS -- HYDRAULIC 610x356 OVAL HEADS
COUPLINGS -- INSTANTER
MIN. CURVE -- 31m.
GEN. ARRGT. DRG. No. -- SW/SW 1014
BRAKE -- VACUUM BLOCK & HAND SCREW
SUSPENSION -- SECONDARY COIL

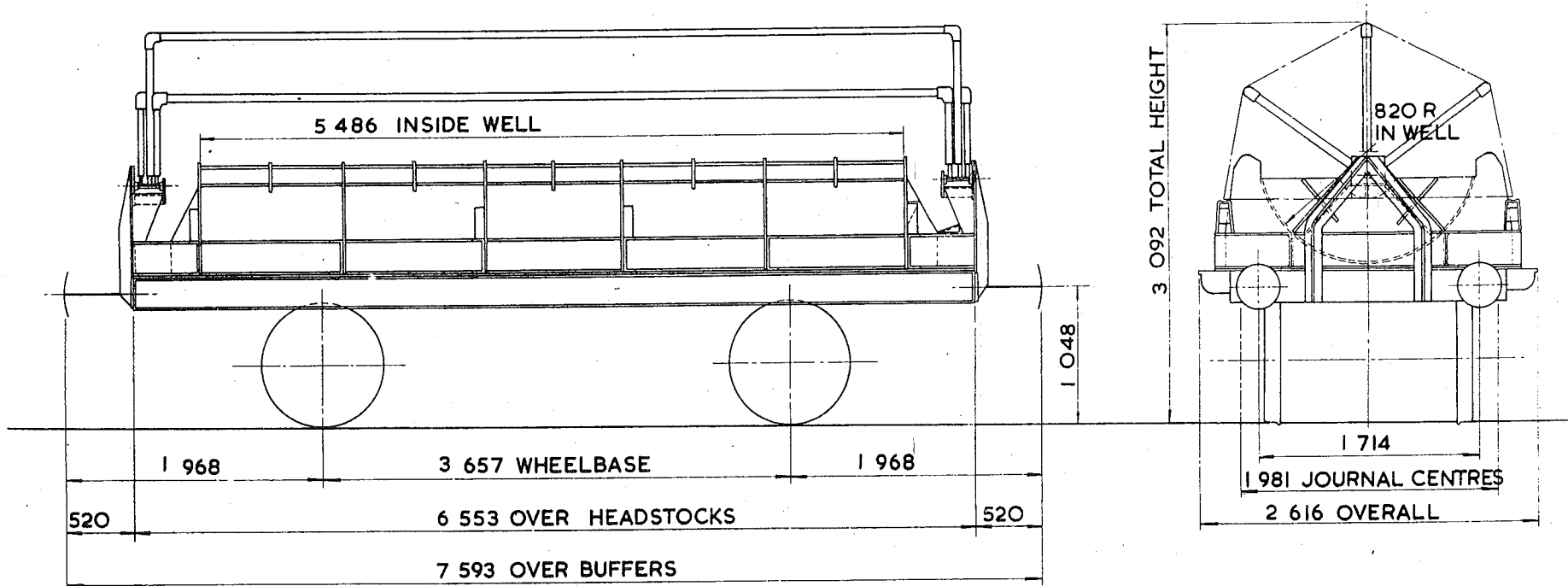
# COIL 'A' WAGON

KA002A

LOT NUMBER
3450

EXCESS LENGTH	2	H	M	L	E
tonnes	32	24	17	11	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	60	60	60	60	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
K	A	V	K	A	V
					7 9



TARE - 11150 kg
CARRYING CAPACITY - 21500 kg
CAPACITY -
MAX. SPEED - 60 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 25 m
GEN. ARRGT. DRG. No. - SW/DN 29905 C.I.B. 961/6,7 & 8
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHQE



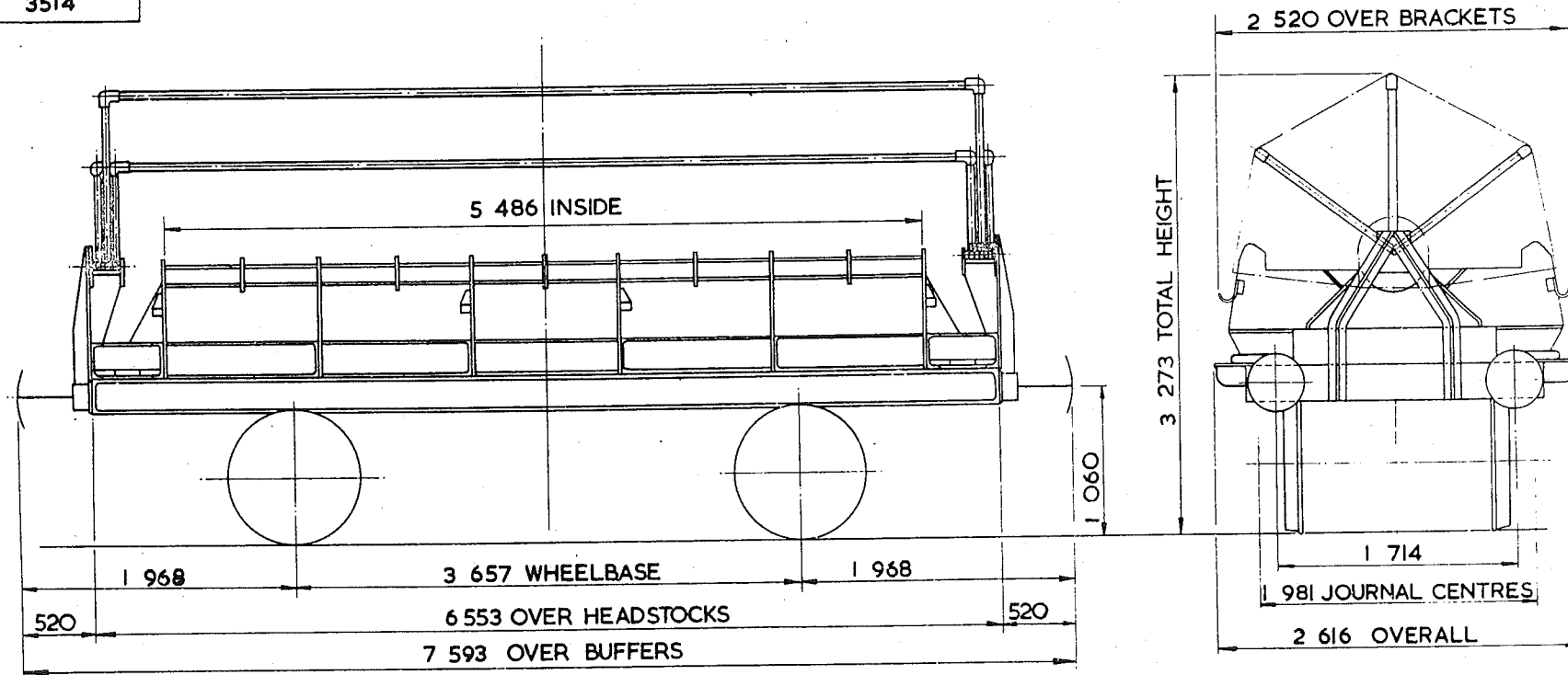
# COIL 'B' WAGON

KBOOIA

LOT NUMBER
3464
3478
3484
3513
3514

EXCESS LENGTH 2	H	M	L	E
tonnes	36	27	18	12
VB	12	12	6	6
AB				
RA	5	2	1	1
MAX. SPEED	60	60	60	60

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No				
K	B	V	K	B	V	G		B	I



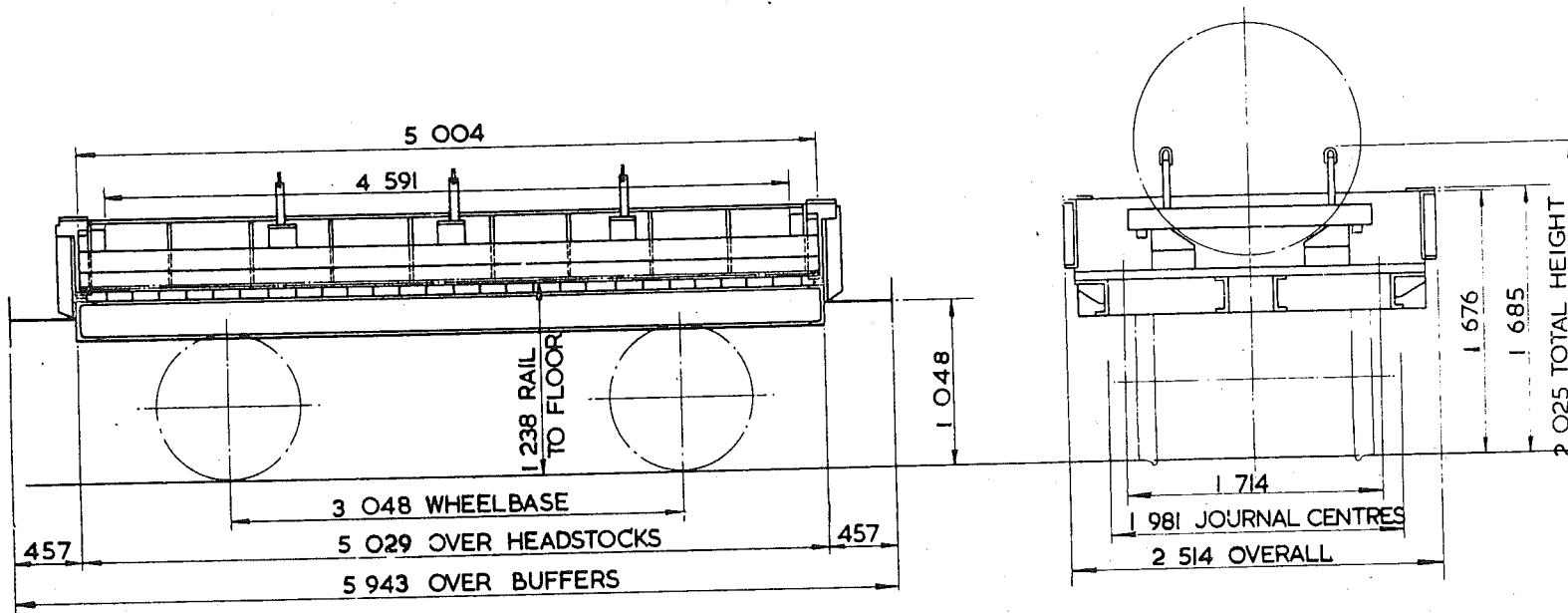
TARE - 11 400 kg
CARRYING CAPACITY - 24 500 kg
CAPACITY -
MAX. SPEED - 60 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - SW/DN 30542 C.I.B.962/2
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

LOT NUMBER
EX 3085

EXCESS LENGTH	H	M	L	E
tonnes	34	25	16	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND		OPERATING PANEL No			
K	C	Ø	K	C	Ø	C
						47



TARE - 9450kg
CARRYING CAPACITY - 24 <sup>500</sup> kg
CAPACITY -
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 X 127 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. -
BRAKE - HAND LEVER
SUSPENSION - SHOE

EX. BR. DIAGRAM 422

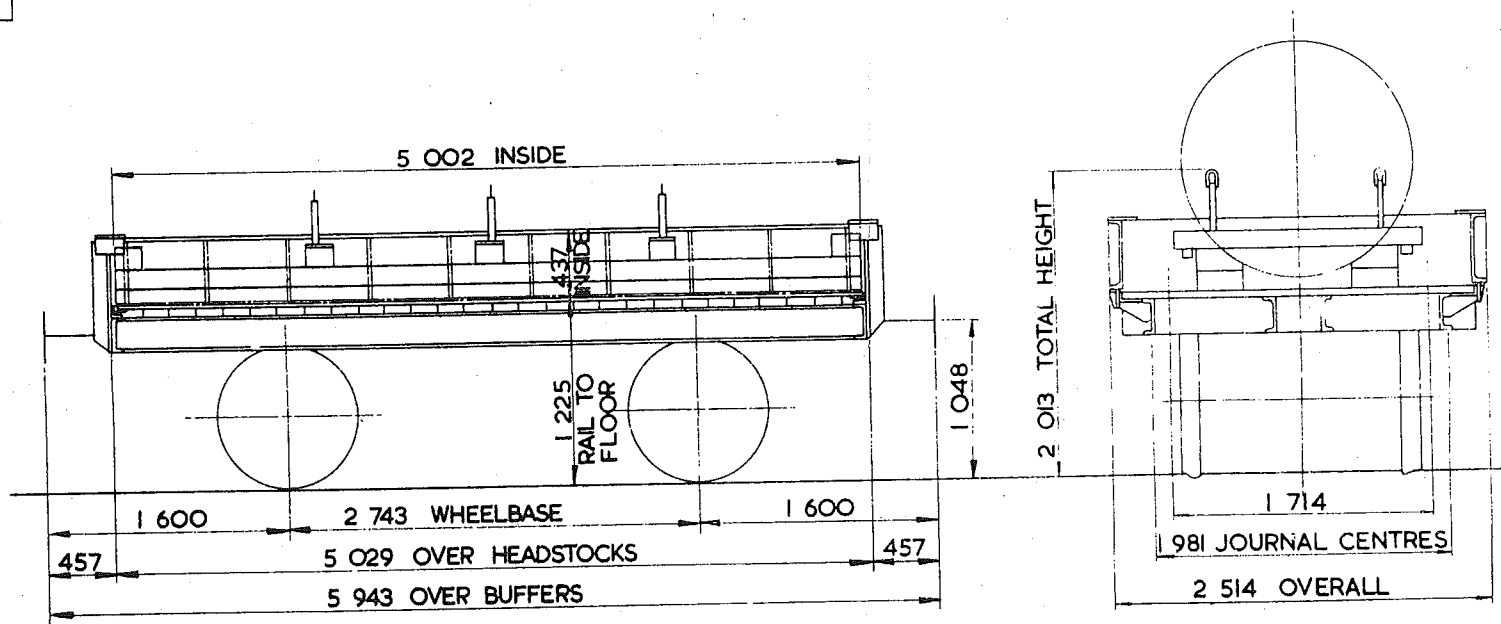
# COIL 'C' WAGON

KCOO2A

LOT NUMBER
EX 3085
EX 2446
EX 2586

EXCESS LENGTH	H	M	L	E
tonnes	34	25	16	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE			
CARKND	AARKND	OPERATING PANEL No.	
K C Ø	K C Ø C	4	7



TARE - 7 900 kg
CARRYING CAPACITY - 24 500 kg.
CAPACITY -
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. -
BRAKE - HAND LEVER
SUSPENSION - SHOE

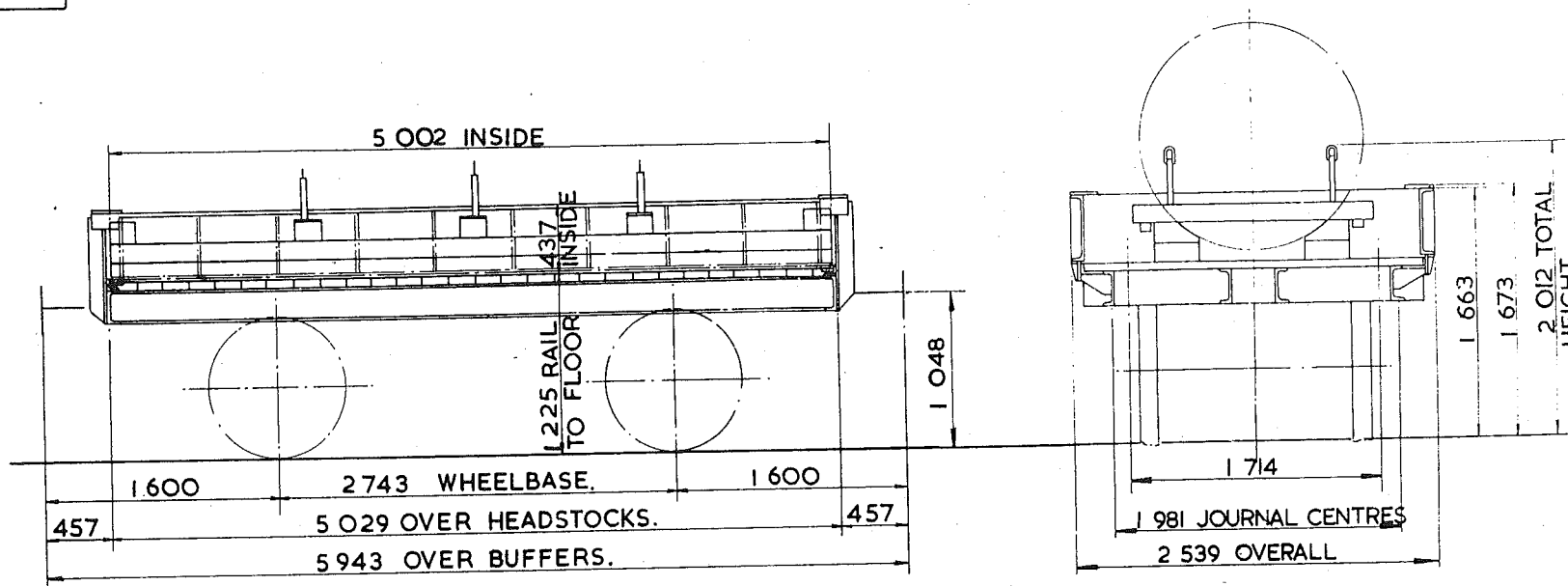
# COIL 'C' WAGON

KCOUZD

LOT NUMBER
EX 3085
EX 2446
EX 2586

EXCESS LENGTH	H	M	L	E
tonnes	34	24	15	9
VB	4	4	4	4
AB				
RA	4	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND		AARKND			OPERATING PANEL No.	
K	C	V	K	C	V	C
					E	W
					P	



TARE - 7900kg.
CARRYING CAPACITY - 24500kg.
CAPACITY -
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254x127 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 21m.
GEN. ARRGT. DRG No. -
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

EX.B.R. DIAGRAM 42

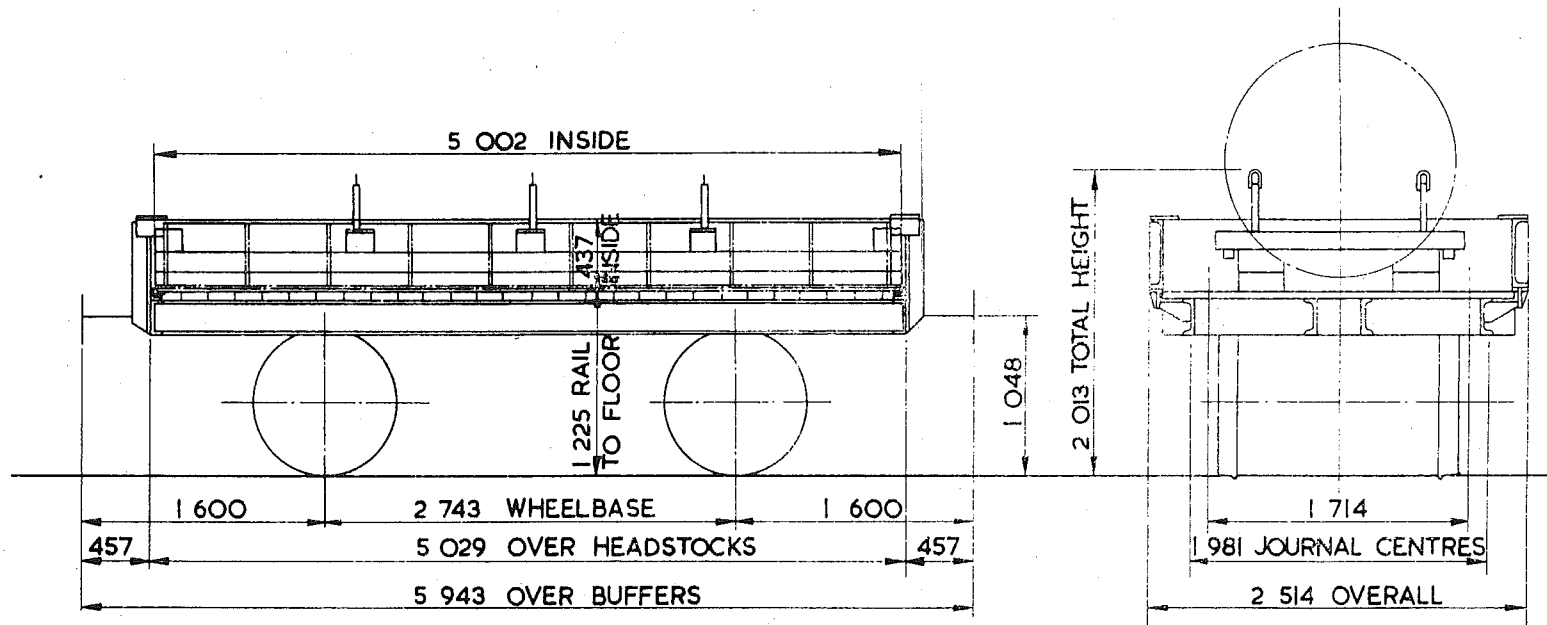
# COIL 'C' WAGON

KCO02C

LOT NUMBER
EX 3085
EX 2446
EX 2586

EXCESS LENGTH	H	M	L	E
tonnes	34	25	16	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND			OPERATING PANEL No		
K	C	Ø	K	C	Ø	C
						47



TARE -	7 900 kg
CARRYING CAPACITY -	24 500 kg
CAPACITY -	
MAX. SPEED	45 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	21m
GEN. ARRGT. DRG. No. -	
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

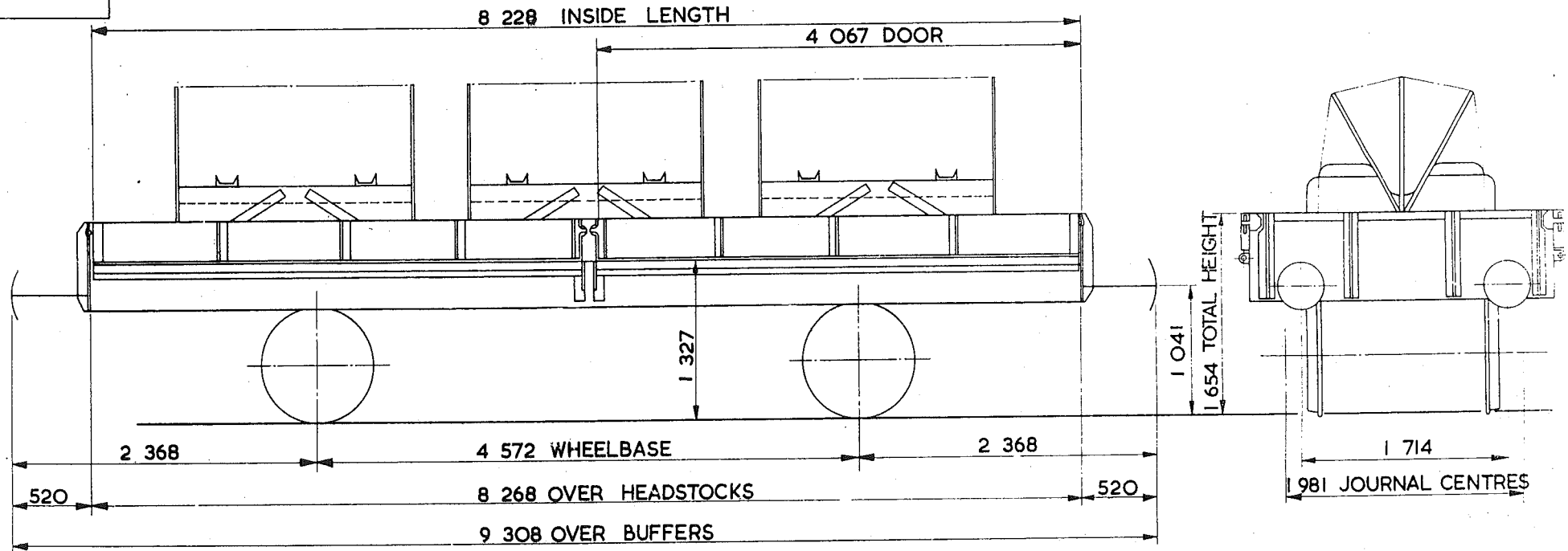
# COIL 'D' WAGON

KDOOIA

LOT NUMBER

EXCESS LENGTH	5	H	M	L	E
tonnes	35	26	17	11	
VB	6	6	6	6	
AB					
RA	5	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
K D V	K D V D	2 5 5



TARE - 10 650 kg
CARRYING CAPACITY - 24 500 kg
CAPACITY -
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 406 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31m
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

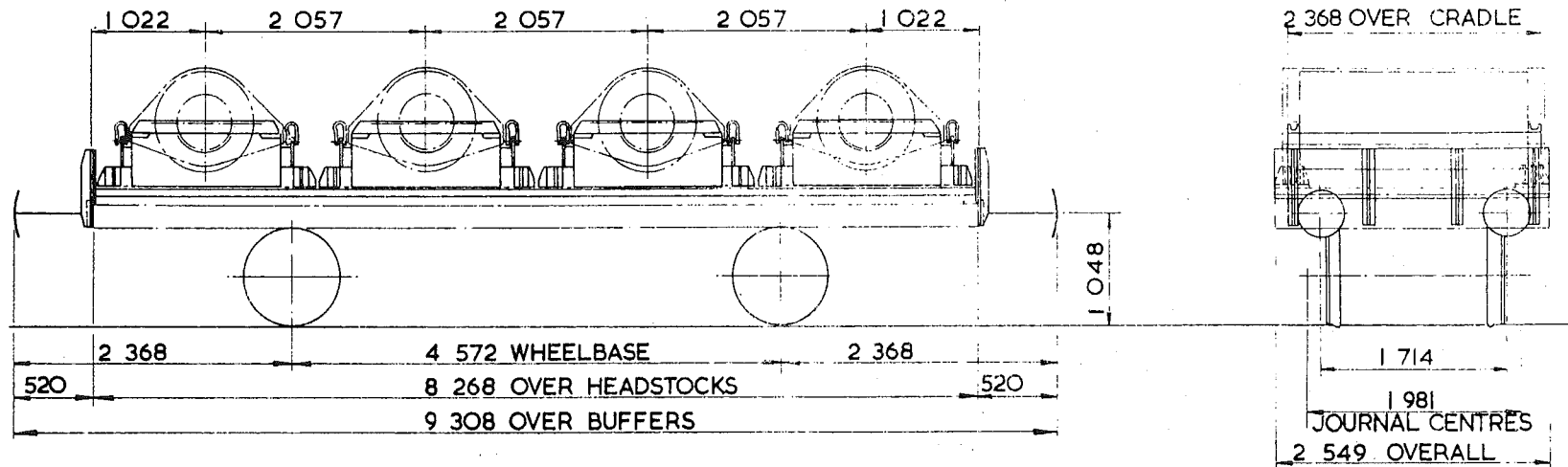
# COIL 'F' WAGON

KFOOIA

LOT NUMBER	
EX 2199	EX 2862
EX 2327	EX 3223
EX 2476	EX 3338
EX 2604	
EX 2734	

EXCESS LENGTH	5	H	M	L	E
tonnes		37	28	19	13
VB		6	6	6	6
AB					
RA		5	3	1	1
MAX. SPEED		50	50	50	50

TOPS CODE					
CARKND		AARKND		OPERATING PANEL No	
K	F	V	K	F	V
				2	4
					9



TARE -- 12 650 kg
CARRYING CAPACITY-- 24 500 kg
CAPACITY-
MAX. SPEED - 50 mte/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS -- HYDRAULIC 406 DIA. HEADS
COUPLINGS -- INSTANTER
MIN. CURVE -- 31 m
GEN. ARRGT. DRG. No. --
BRAKE -- VACUUM BLOCK & HAND LEVER
SUSPENSION -- SHOE

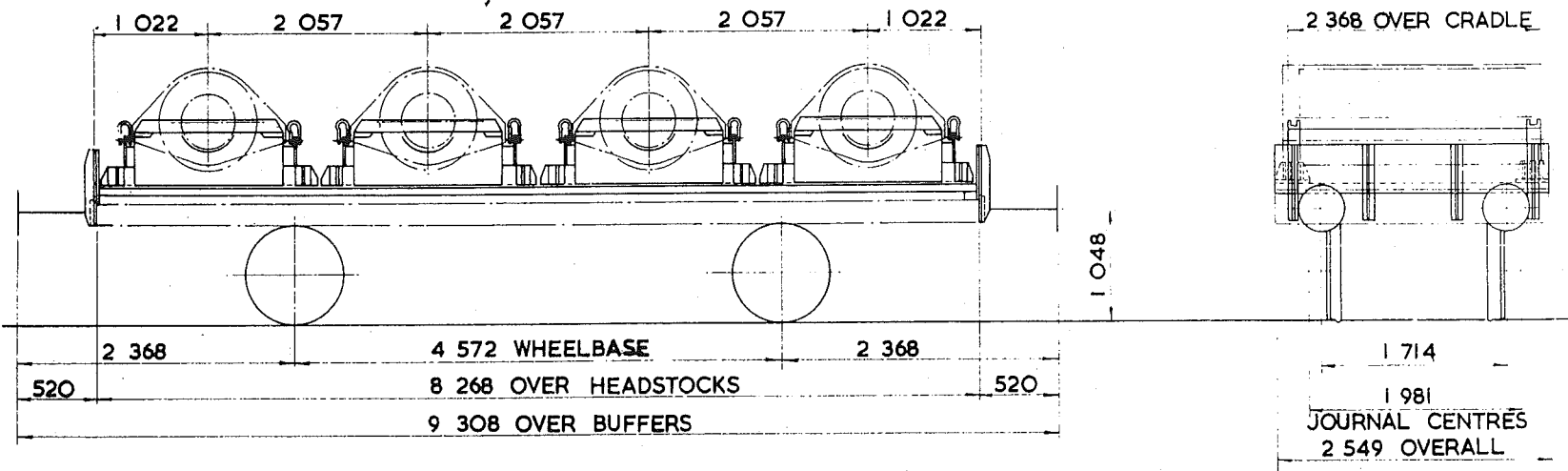
# COIL 'F' WAGON

KFOOIB

LOT NUMBER
EX 2734
EX 3223

EXCESS LENGTH	5	H	M	L	E
tonnes	37	28	19	13	
VB	6	6	6	6	
AB					
RA	5	3	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANFL No.			
K	F	V	K	F	V	F	2	4	9



TARE - 12 650 kg
CARRYING CAPACITY - 24 500 kg
CAPACITY
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 X 127 PLAIN BEARINGS

BUFFERS - HYDRAULIC 406 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 31 m
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE



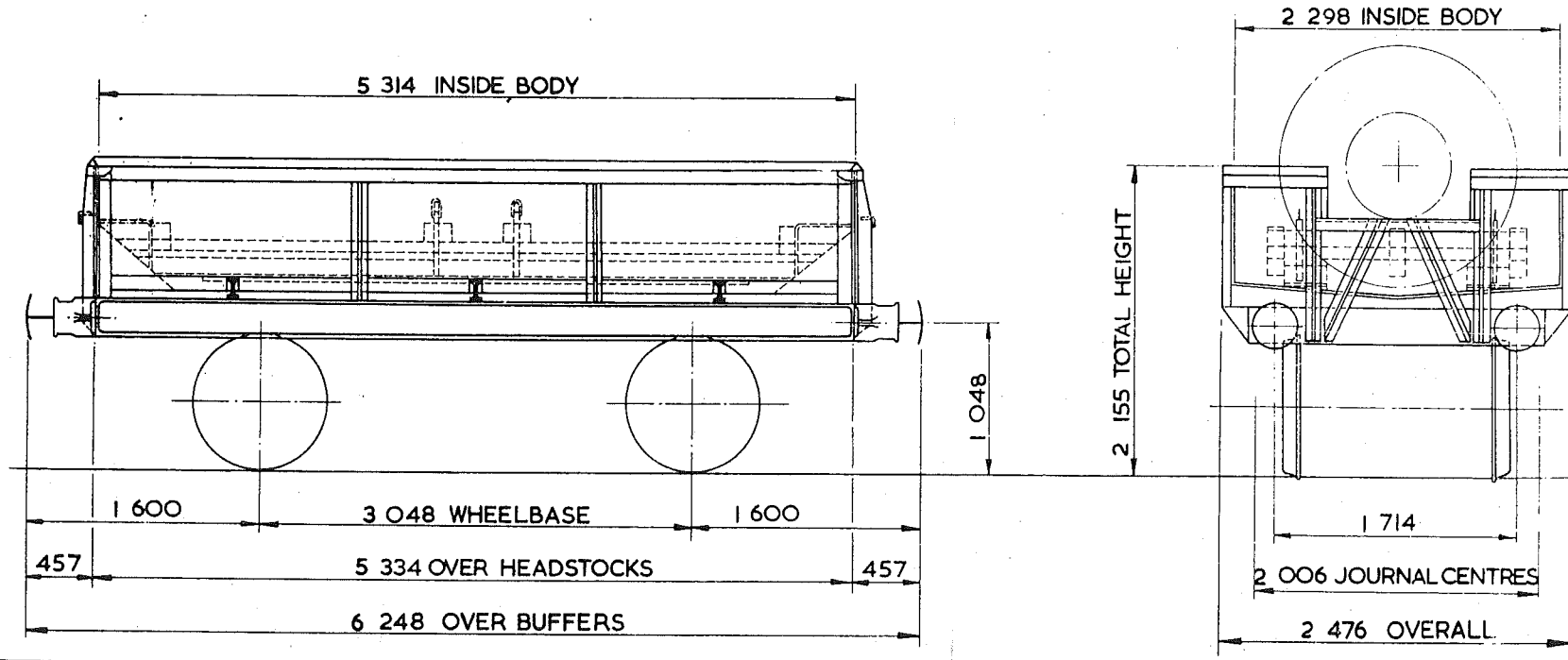
# PIG COIL WAGON

KIOOIA

LOT NUMBER
EX 2835
EX 2586

EXCESS LENGTH	H	M	L	E
tonnes	41	37	18	11
VB				
AB				
RA	7	6	1	1
MAX. SPEED	45	45	45	45

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No			
K I Ø	K I Ø Y	2	3	6	



TARE - 10 650 kg
CARRYING CAPACITY - 30 500 kg
CAPACITY -
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 305x152 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m.
GEN. ARRGT. DRG. No. -
BRAKE - HAND LEVER
SUSPENSION - SHOE

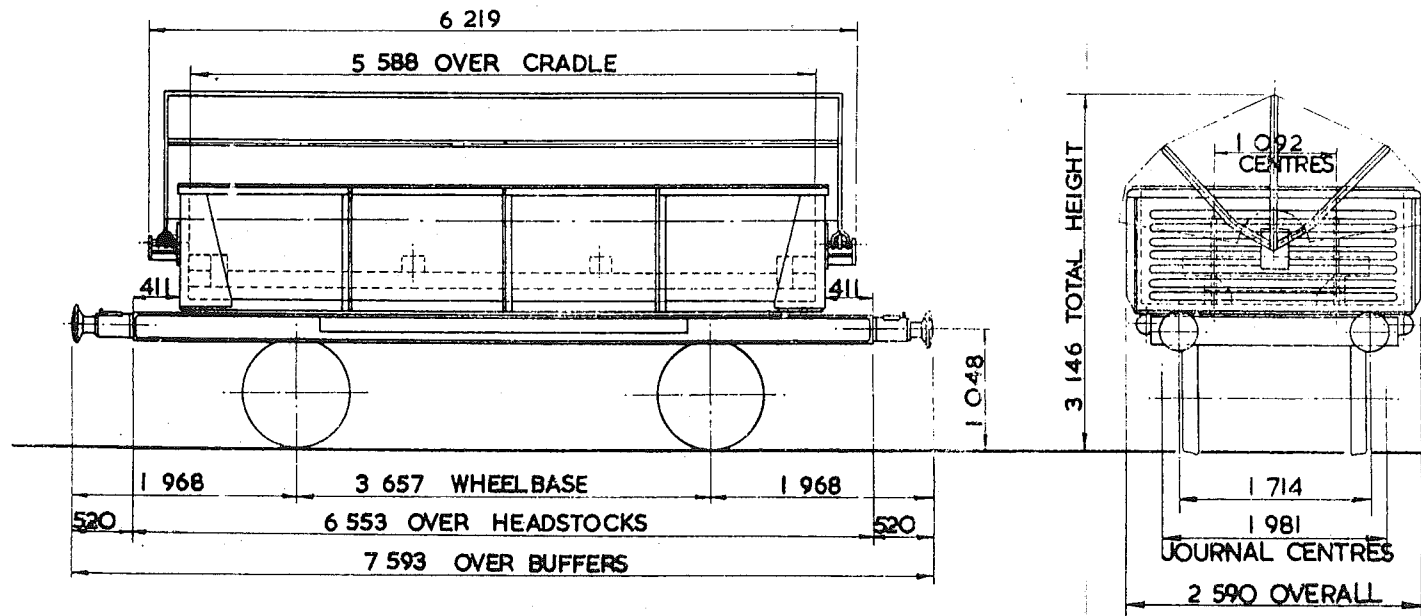
# COIL 'L' WAGON

KLOOIA

LOT NUMBER
EX. 3429

EXCESS LENGTH	H	M	L	E
tonnes	33	25	17	11
VB	14	14	6	6
AB				
RA	3	1	1	1
MAX. SPEED	60	60	60	60

TOPS CODE					
CARKND	AARKND		OPERATING PANEL No		
K	L	V	K	L	V
				E	W
				P	



TARE - 10 900 kg
CARRYING CAPACITY - 22 500 kg
CAPACITY -
MAX. SPEED - 60 m/k/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - HYDRAULIC 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - GL31208
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE



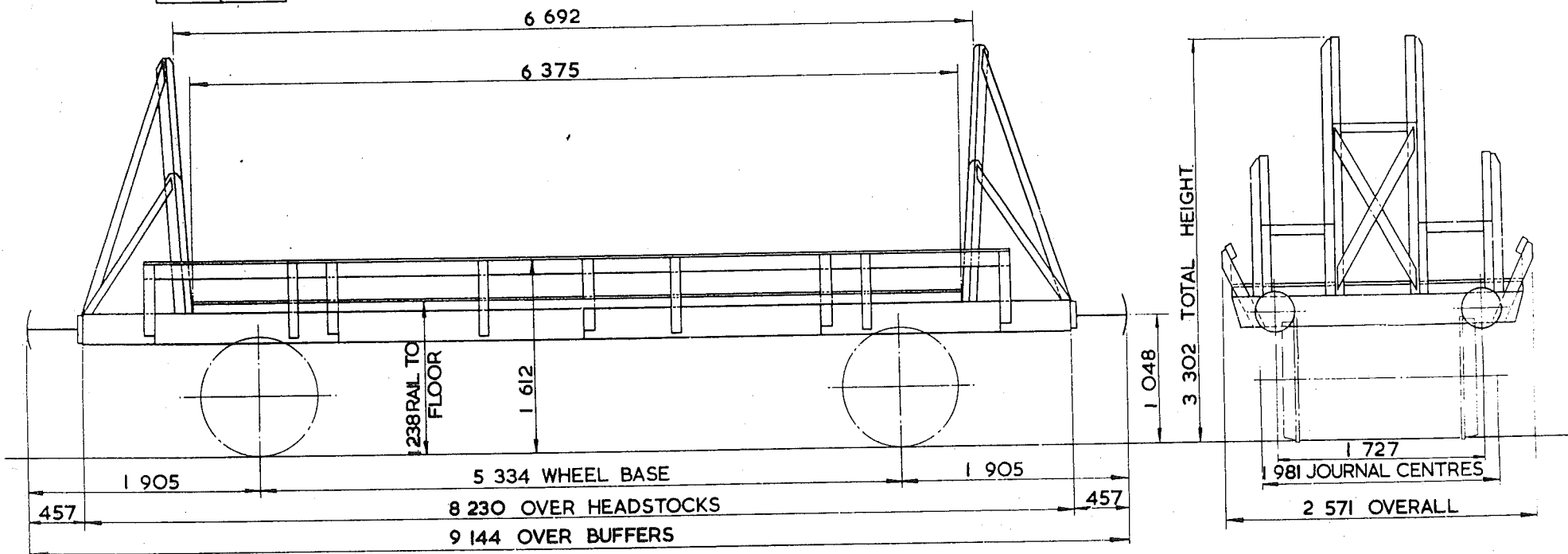
# RODCOIL WAGON

KØØØIA

LOT NUMBER	
EX 391	EX 982
EX 534	EX 1139
EX 969	EX 1140
EX 980	EX 1141
EX 981	

EXCESS LENGTH	5	H	M	L	E
tonnes	29	22	14	8	
VB					
AB					
RA	2	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No
K Ø Ø	K Ø Ø X	2 ! 7



TARE - 8150 kg
CARRYING CAPACITY - 21500 kg
CAPACITY -
MAX. SPEED - 50 mile/h
WHEELS - 965 DIA.
JOURNALS - 254 X 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 36 m
GEN. ARRGT. DRG. No. - DN 32450
BRAKE - HAND LEVER
SUSPENSION - SHOE

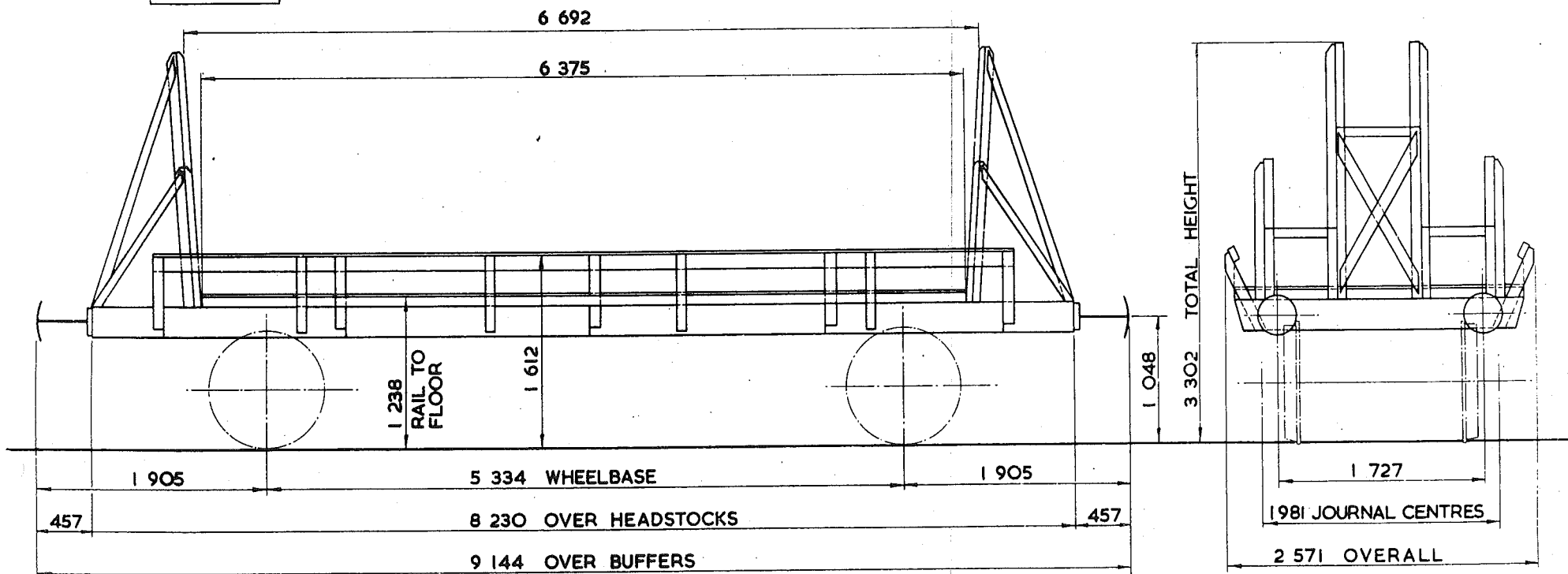
# RODCOIL WAGON

KØOOIB

LOT NUMBER
EX 981

EXCESS LENGTH	5	H	M	L	E
tonne	29	22	14	8	
VB					
AB					
RA	2	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
K	Ø	Ø	K	Ø	Ø	X	2	1	7



TARE --	8 150kg
CARRYING CAPACITY	21 500kg
CAPACITY	
MAX. SPEED --	50 mile/h
WHEELS --	952 DIA.
JOURNALS --	124 DIA. ROLLER BEARINGS

BUFFERS --	SPINDLE 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	36m
GEN. ARRGT. DRG. No. --	DN 32450
BRAKE --	HAND LEVER
SUSPENSION --	SHOE

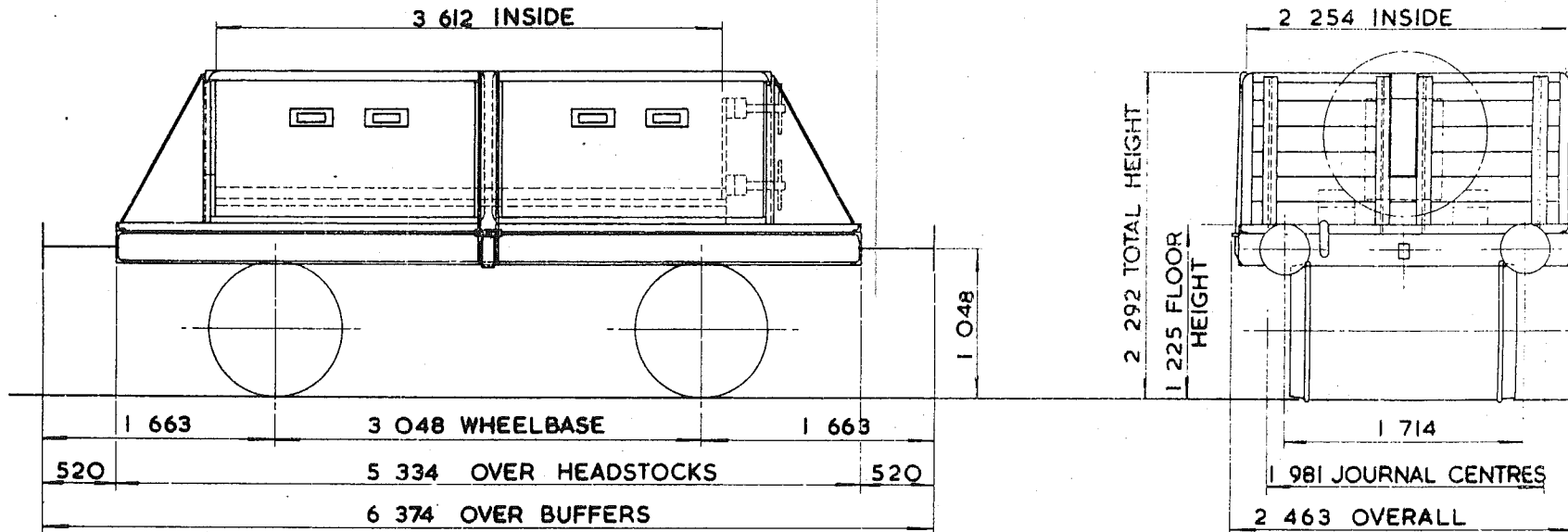
# COIL 'Q' WAGON

# KQOOIA

LOT NUMBER
EX. 3140

EXCESS LENGTH	H	M	L	E
tonnes	19	16	11	8
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND			AARKND			OPERATING PANEL No				
K	Q	V	K	Q	V	U				7



TARE - 6800 Kg
CARRYING CAPACITY - 12000 kg
CAPACITY -
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 x 108 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - B.R. SCREW
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

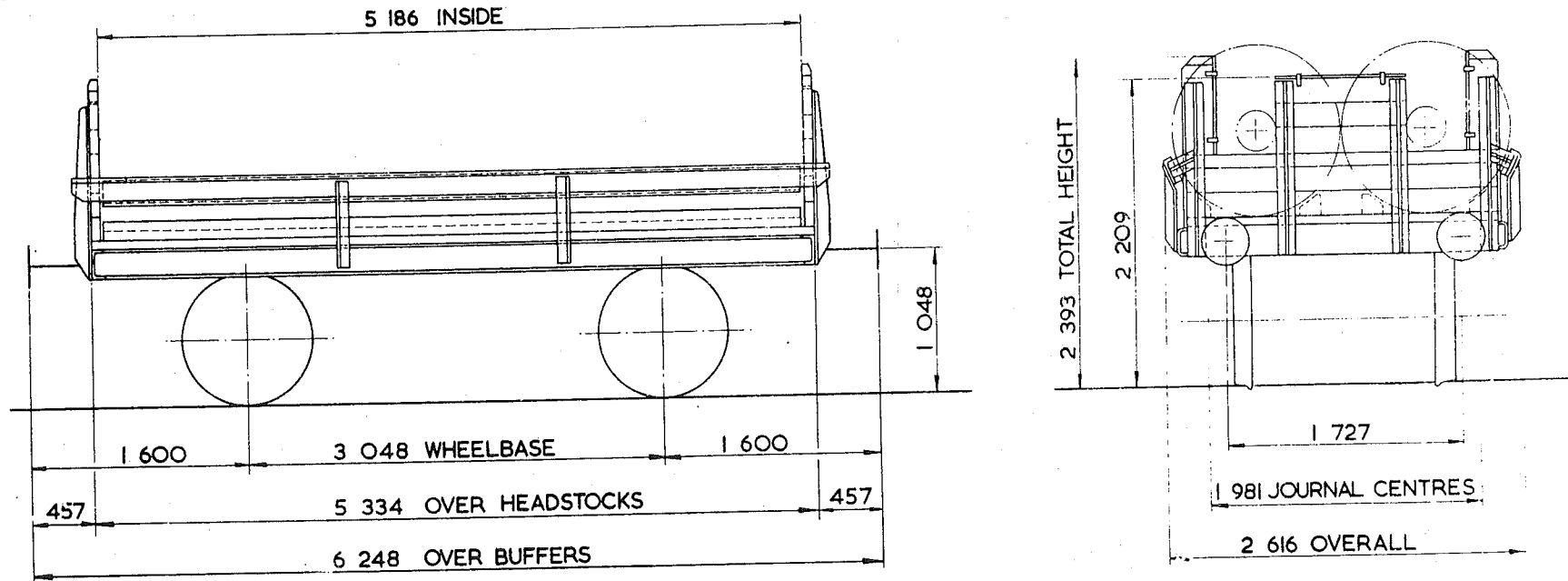
# COIL 'S' WAGON

K\$001A

LOT NUMBER	
EX 1322	EX 1493
EX 1345	EX 1522
EX 1353	EX 2153
EX 1371	EX 2314
EX 1381	EX 2409
EX 1394	

EXCESS LENGTH	H	M	L	E
tonnes	20	15	10	7
VB	3	3	3	3
AB				
RA				
MAX. SPEED	45	45	45	45

TOPS CODE							
CARKND		AARKND		OPERATING HANDLING			
K	\$	V	K	\$	V	\$	
					2	3	8



TARE --	6 550 kg
CARRYING CAPACITY--	13 000 kg.
CAPACITY--	
MAX. SPEED -	45 mile/h
WHEELS --	952 DIA.
JOURNALS --	228 x 108 PLAIN BEARINGS

BUFFERS --	SPINDLE 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21 m.
GEN. ARRGT. DRG. No.	
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

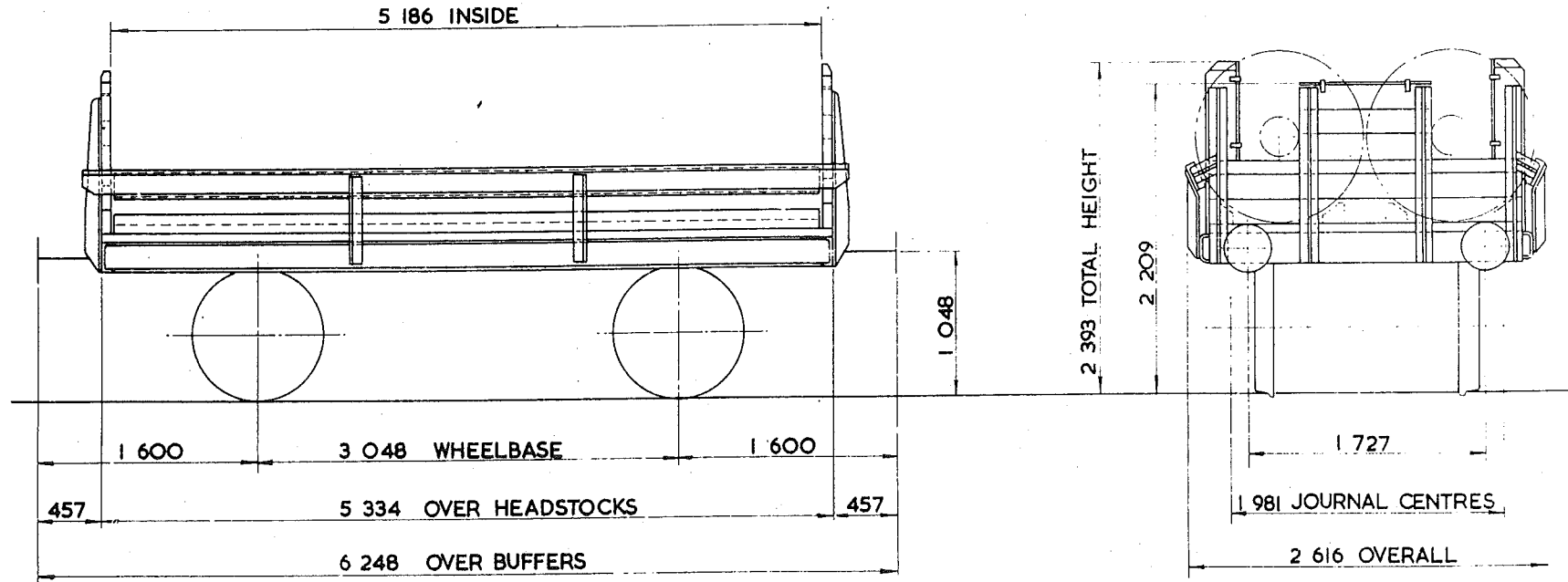
# COIL 'S' WAGON

K\$ 001B

LOT NUMBER
EX 2153

EXCESS LENGTH	H	M	L	E
tonnes	20	15	10	7
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX SPEED	45	45	45	45

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
K	\$	V	K	\$	V	\$	2	3	8



TARE - 6 550 kg
CARRYING CAPACITY - 13 000 kg
CAPACITY
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 111 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. -
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE



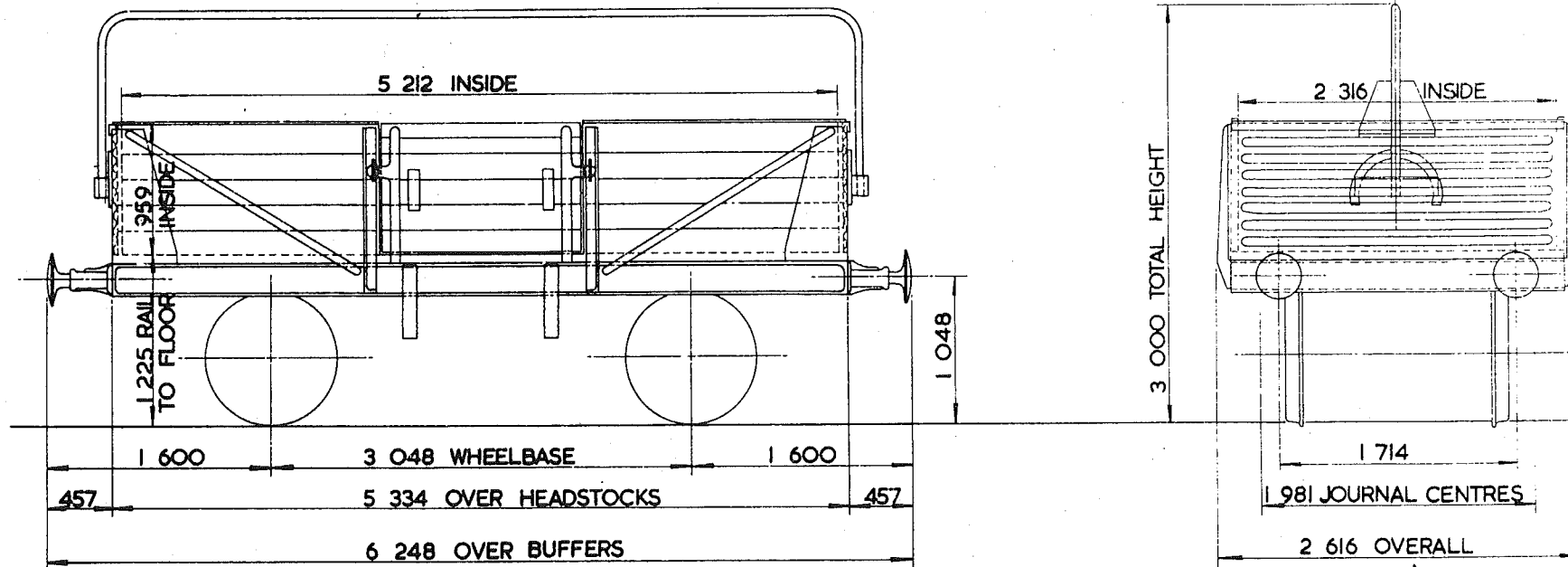
# COIL 'Y' WAGON

KY001A

LOT NUMBER

EXCESS LENGTH	H	M	L	E
tonnes	19	16	11	8
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
K	Y	V	K	Y	V	Y			7



TARE --	7500 kg
CARRYING CAPACITY --	13000 kg
CAPACITY --	11.583 m <sup>3</sup>
MAX. SPEED --	45 mtk/h
WHEELS --	952 DIA.
JOURNALS --	228 x 108 PLAIN BEARINGS

BUFFERS --	SPINDLE 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21 m
GEN. ARRGT. DRG. No.	13/4840 & SW/DE/34299
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

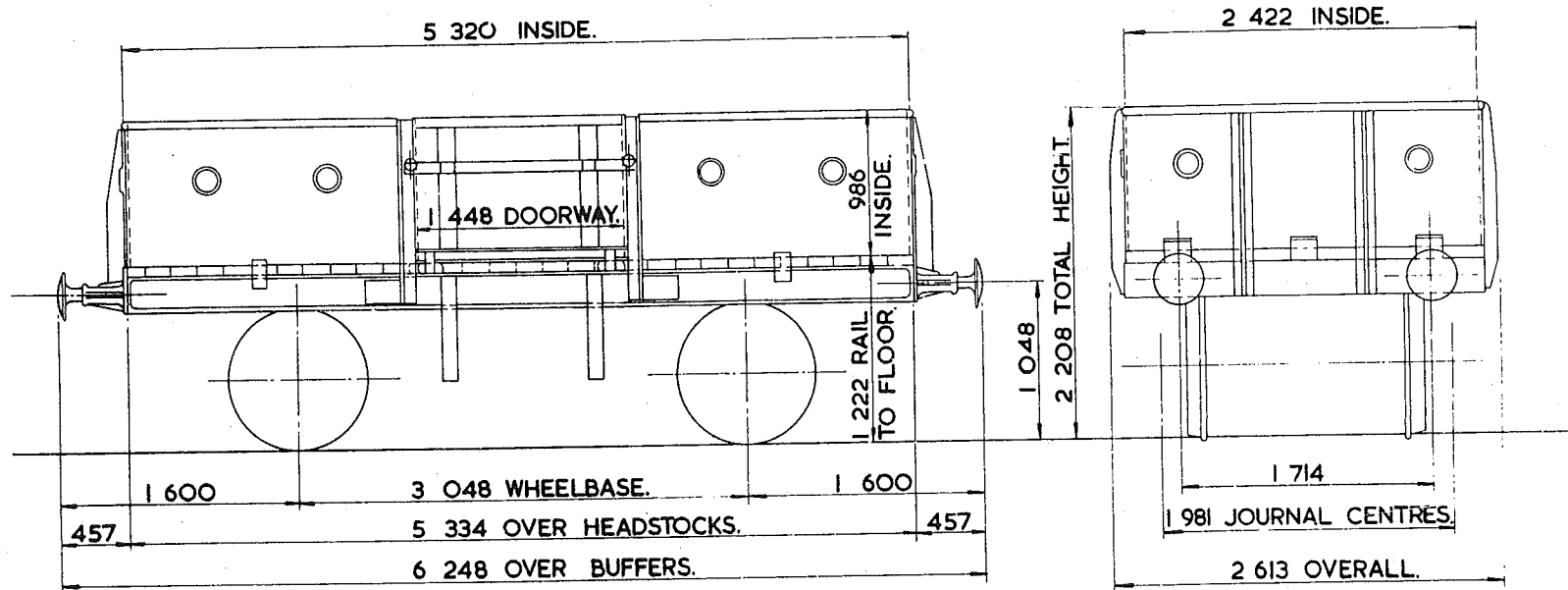
# COIL Y WAGON

KY003A

LOT NUMBER
EX 2342
EX 2468
EX 2479

EXCESS LENGTH	H	M	L	E
tonnes	19	16	11	8
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND		OPERATING PANEL NO.			
K	Y	V	K	Y	V	Y
						7



TARE	7350kg.
CARRYING CAPACITY-	13000kg.
CAPACITY-	
MAX SPEED	45 mile/h.
WHEELS	952 DIA.
JOURNALS	228 x 108 PLAIN BEARINGS.

BUFFERS	SPINDLE 330 DIA. HEADS.
COUPLINGS --	INSTANTER.
MIN. CURVE --	21m.
GEN. ARRGT. DRG. No.	SW/DN 106.
BRAKE --	VACUUM BLOCK & HAND LEVER.
SUSPENSION --	SHOE.

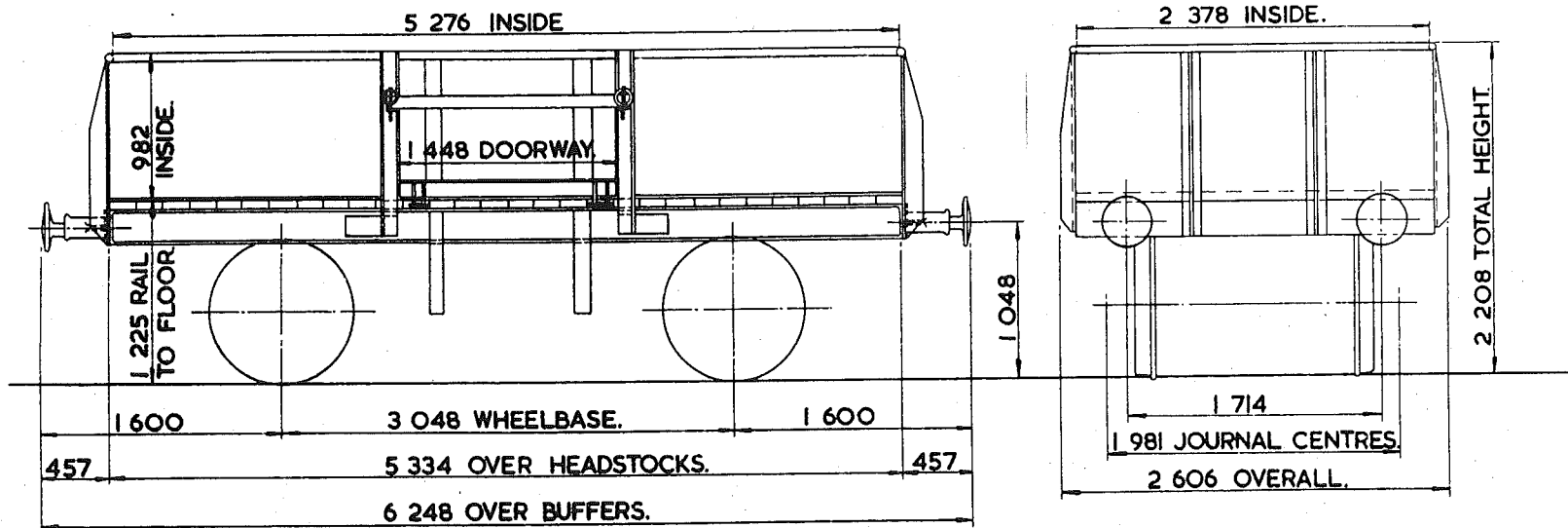
# COIL Y WAGON

KY004A

LOT NUMBER
EX 2694
EX 2704

EXCESS LENGTH	H	M	L	E
tonnes	19	16	11	8
VB	3	3	3	3
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND			AARKND			OPERATING PANEL N.			
K	Y	V	K	Y	V				7



TARE -	6900kg.
CARRYING CAPACITY -	13000kg.
CAPACITY -	
MAX. SPEED -	45 mile/h.
WHEELS -	952 DIA.
JOURNALS -	228x108 PLAIN BEARINGS.

BUFFERS -	SPINDLE 330 DIA. HEADS.
COUPLINGS -	INSTANTER.
MIN. CURVE -	21m.
GEN. ARRGT. DRG. No. -	SW/DN/118.
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE.

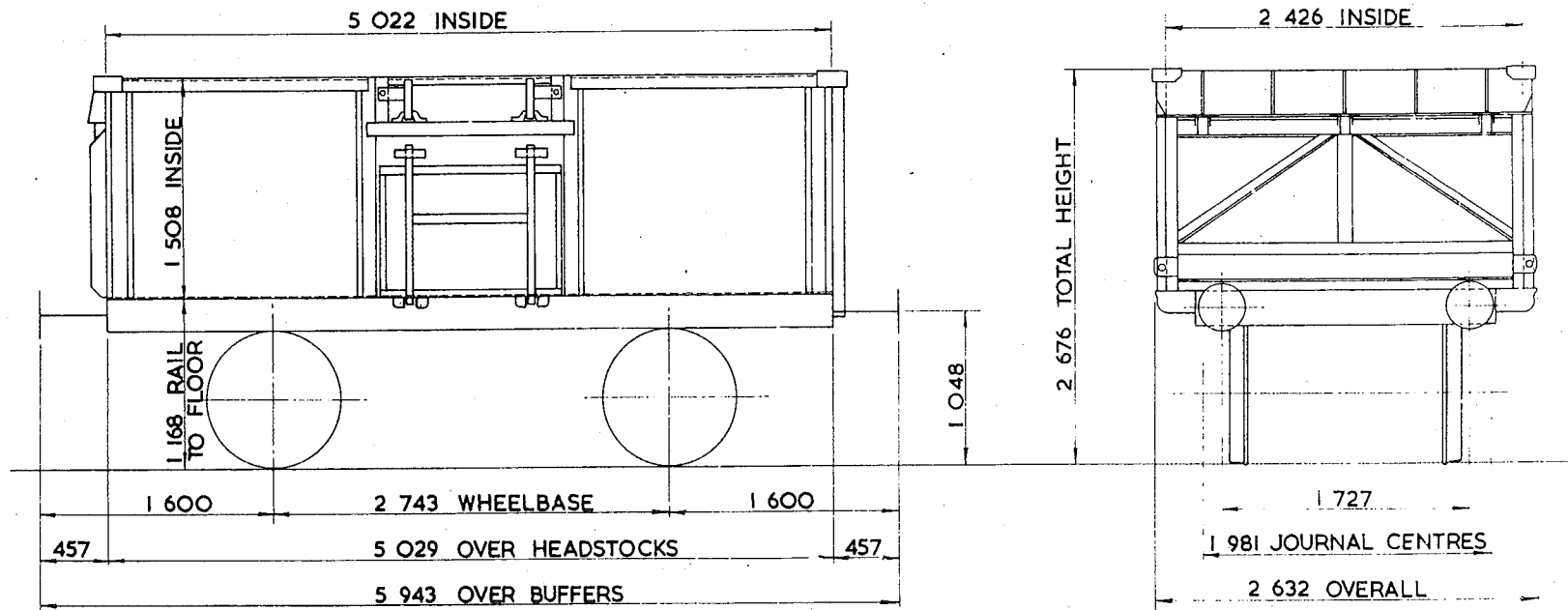
# MINERAL WAGON

MC 001A

LOT NUMBER

EXCESS LENGTH	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA	I	I	I	I
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND	AARKND				OPERATING PANEL No.				
M	C	Ø	M	C	Ø	C			I



TARE - 7 800 kg
CARRYING CAPACITY - 16 500 kg
CAPACITY - 18.336 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 X 114 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/DE/2890
BRAKE - HAND LEVER
SUSPENSION - SHOE

## PART LOT Nos. FOR MCOOIA

2223	2379	2522	2631	2698	2750	2808	2911	
2226	2380	2523	2633	2699	2751	2809	2913	
2250	2381	2525	2634	2701	2752	2810	2915	
2251	2382	2526	2635	2702	2756	2811	2917	
2252	2383	2527	2636	2703	2757	2813	2918	
2253	2385	2528	2637	2711	2788	2814	2919	
2254	2387	2529	2639	2715	2789	2816	2920	
2255	2388	2530	2640	2716	2790	2817	2921	
2256	2389	2531	2653	2717	2793	2896	2922	
2257	2390	2547	2663	2718	2794	2897	2923	
2258	2391	2548	2664	2719	2796	2898	3058	
2259	2508	2549	2670	2720	2797	2899	3219	
2290	2509	2550	2674	2742	2798	2900	3063	
2293	2510	2906	2675	2743	2799	2901		
2294	2514	3143	2676	3053	2800	2902		
2295	2515	2611	2677	3054	2801	2903		
2298	2516	2612	2678	2745	2802	2904		
2301	2519	2626	2685	2747	2803	2907		
2302	2520	2627	2686	2748	2804	2909		
2378	2521	2630	2687	2749	2805	2910		



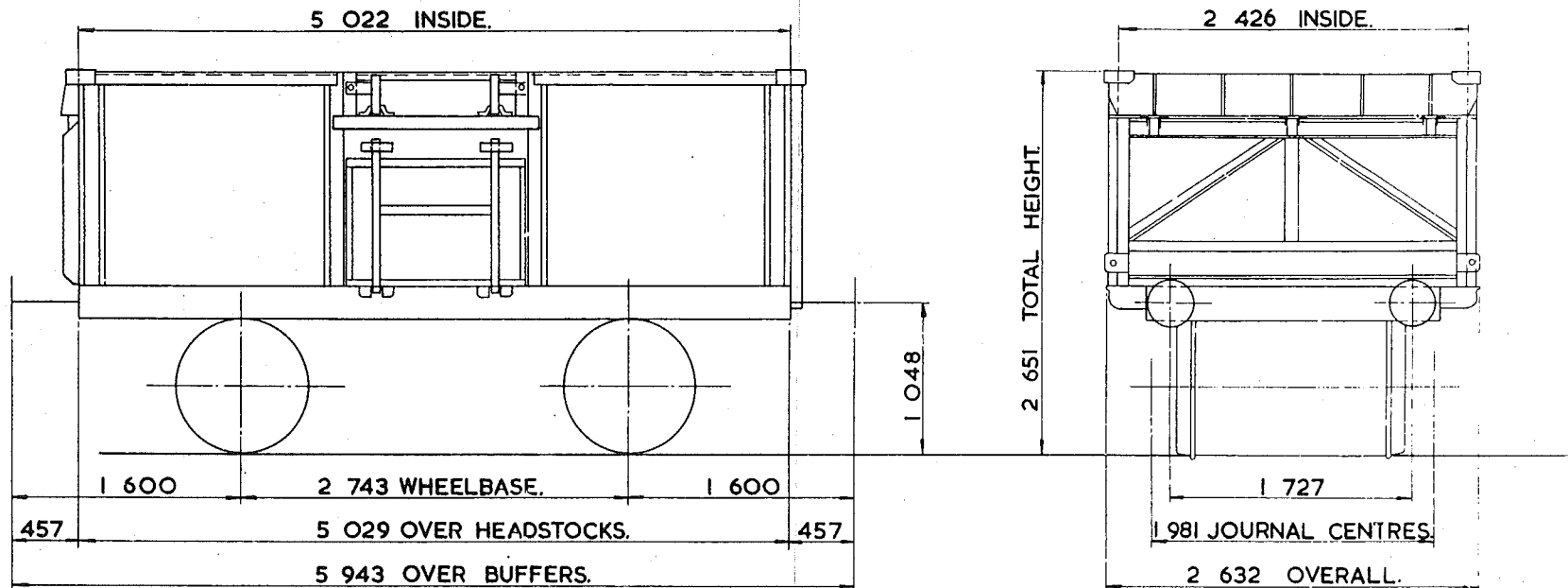
# MINERAL WAGON

# MCOOIC

PART LOT NUMBER	
2917	2918
2919	2920
2921	2922
3062	

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	4	4	4	4
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND		OPERATING PANELS			
M	C	V	M	C	V	D
						3



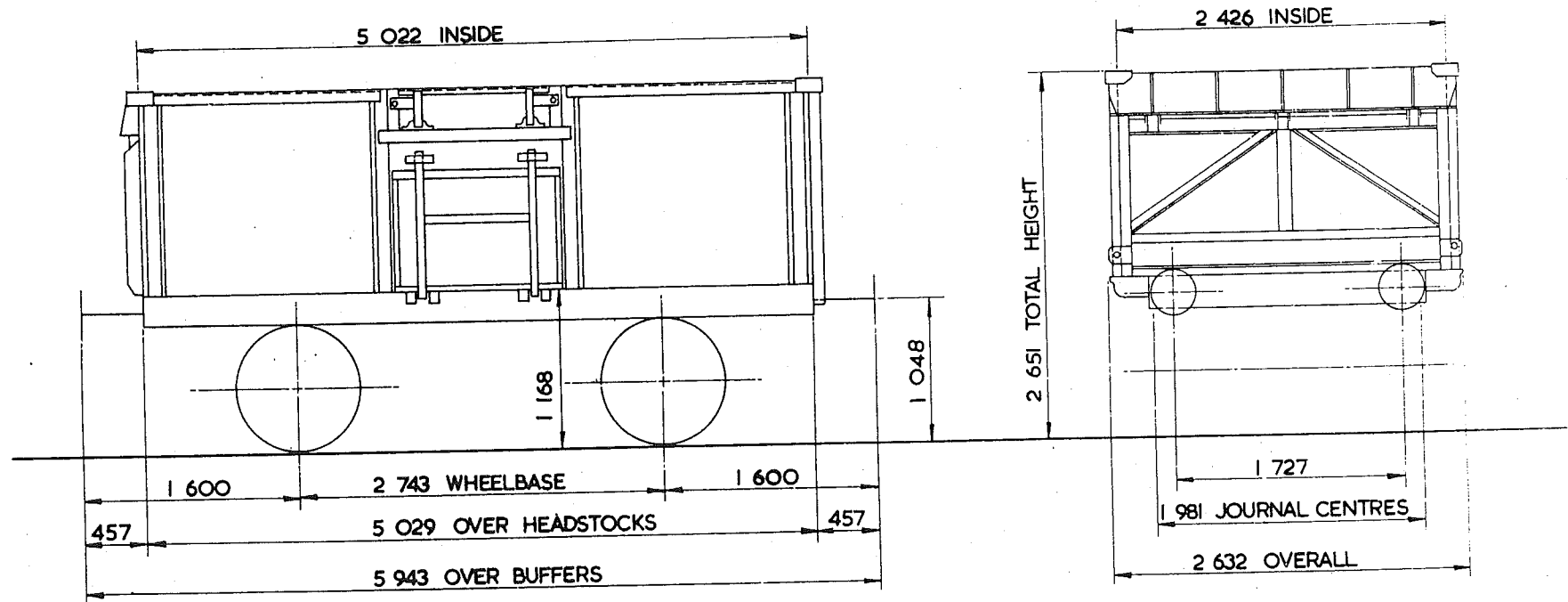
TARE	7800kg.
CARRYING CAPACITY-	16500kg.
CAPACITY-	18.349 m <sup>3</sup> .
MAX. SPEED	45 mile/h.
WHEELS -	952 DIA.
JOURNALS -	228x114 PLAIN BEARINGS.

BUFFERS	SPINDLE 330 DIA. HEADS.
COUPLINGS -	INSTANTER.
MIN. CURVE -	21 m.
GEN. ARRGT. DRG. No.	SW/DE/2890.
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE.

PART LOT NUMBER			
3143	2635	2634	3145
3054	2810	2637	3146
2907	2912	2685	
2915	2917	3042	
2923	3063	3076	

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	11	11	4	4
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND		OPERATING PANEL No.			
M	C	V	M	C	V	E
						2



TARE --	7800kg
CARRYING CAPACITY --	16 500 kg
CAPACITY --	18.349 m <sup>3</sup>
MAX. SPEED --	45 mile/h
WHEELS --	952 DIA
JOURNALS --	228x114 PLAIN BEARINGS

BUFFERS	SPINDLE 330 DIA HEADS
COUPLING	INSTANTER
MIN. CURVE --	21 m
GEN. ARRGT. DRG. No. --	SW/DE/2890.
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

EX. B.R. DIAGRAM I/99.



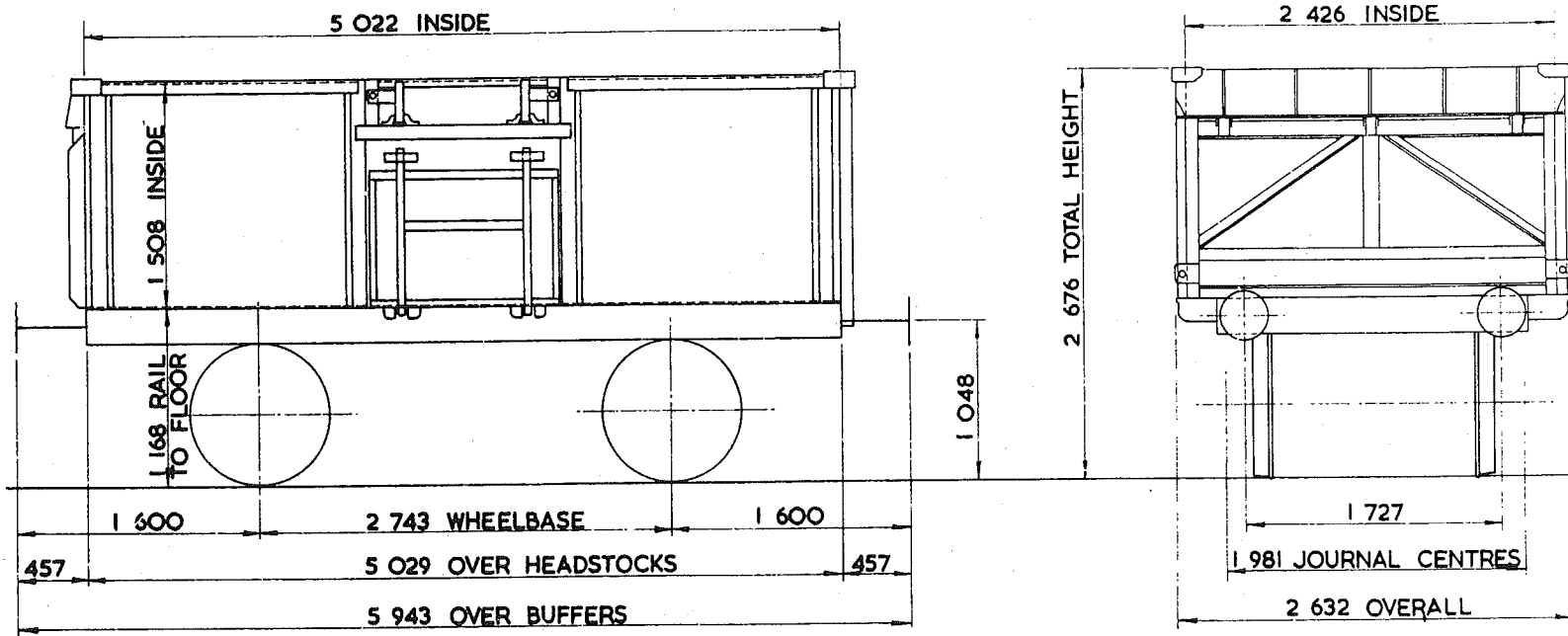
# MINERAL WAGON

MC 001E

LOT NUMBER

EXCESS LENGTH	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND		AARKND		OPERATING PANEL No						
M	C	Ø	M	C	Ø	C				



TARE - 7 800 kg
CARRYING CAPACITY - 16 500 kg
CAPACITY - 18.336 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 X 114 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/DE/2890
BRAKE - HAND LEVER
SUSPENSION - SHOE

# PART LOTS FOR MCOOIE

2223	2391	2634	2742	2814	3063	
2226	2508	2635	2743	2816	3143	
2250	2509	2636	2745	2817	3219	
2251	2510	2637	2747	2896	FULL LOTS	
2252	2514	2639	2748	2897	2224	2225
2253	2515	2640	2749	2898	2227	2229
2254	2516	2653	2750	2899	2230	2231
2255	2519	2663	2751	2900	2232	2296
2256	2520	2664	2752	2901	2300	2377
2257	2521	2670	2756	2902	2463	2464
2258	2522	2674	2757	2903	2511	2512
2259	2523	2675	<del>2588</del>	2904	2513	2524
2290	2525	2676	<del>2589</del>	2907	2628	2629
2293	2526	2677	<del>2590</del>	2909	2654	2700
2294	2527	2678	<del>2593</del>	2910	2744	2746
2295	2528	2685	<del>2594</del>	2911	2791	2792
2298	2529	2686	<del>2597</del>	2912	2796	2906
2301	2530	2687	<del>2598</del>	2913	3146	3152
2302	2531	2698	<del>2599</del>	2915		
2378	2547	2699	2800	2917		
2379	2548	2701	2801	2918		
2380	2549	2702	2802	2919		
2381	2550	2703	2803	2920		
2382	2611	2711	2804	2921		
2383	2612	2715	2805	2922		
2385	2626	2716	2806	2923		
2387	2627	2717	2808	3053		
2388	2630	2718	2809	3054		
2389	2631	2719	2810	3058		
2390	2633	2720	2813	3062		

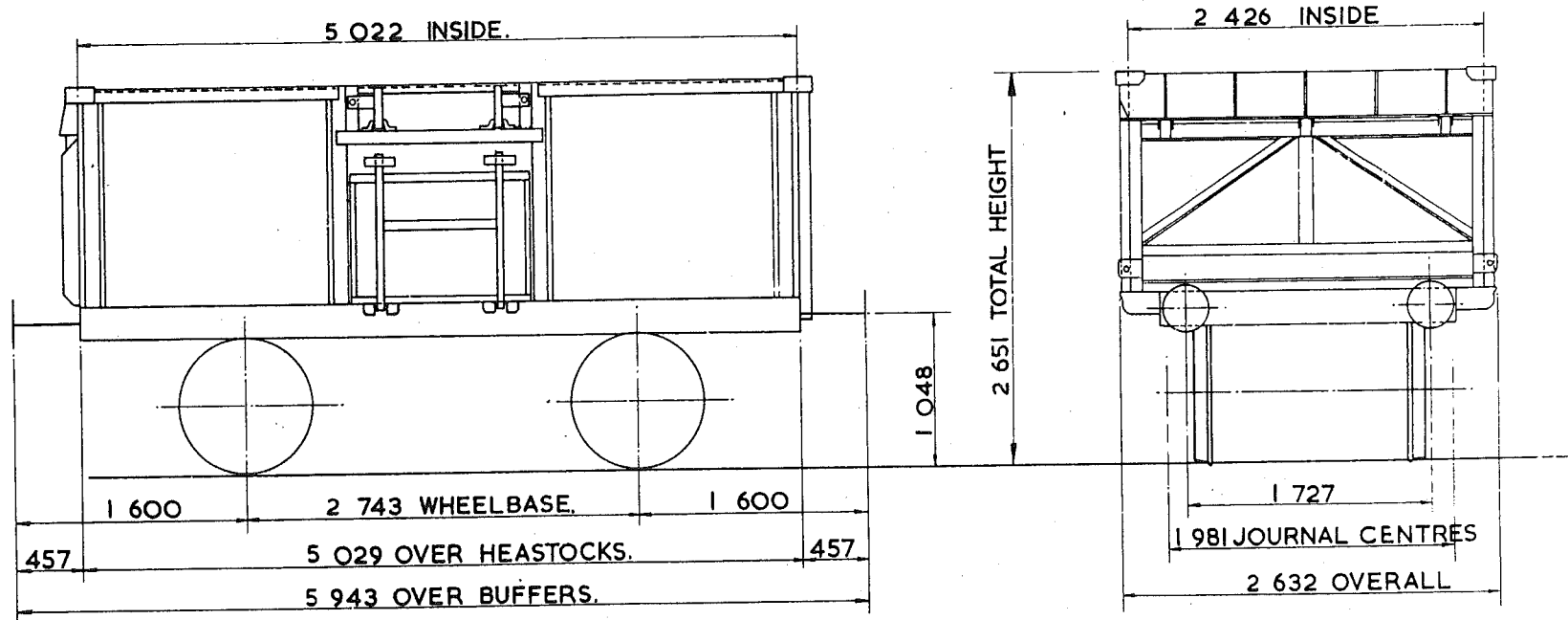
# MINERAL WAGON.

MICRO

LOT NUMBER	
PART 2385	3178
PART 2788	
PART 2917	
PART 2920	
3144	

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	9	9	4	4
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND		OPERATING PANELL No.			
M	C	V	M	C	V	C
						2 1



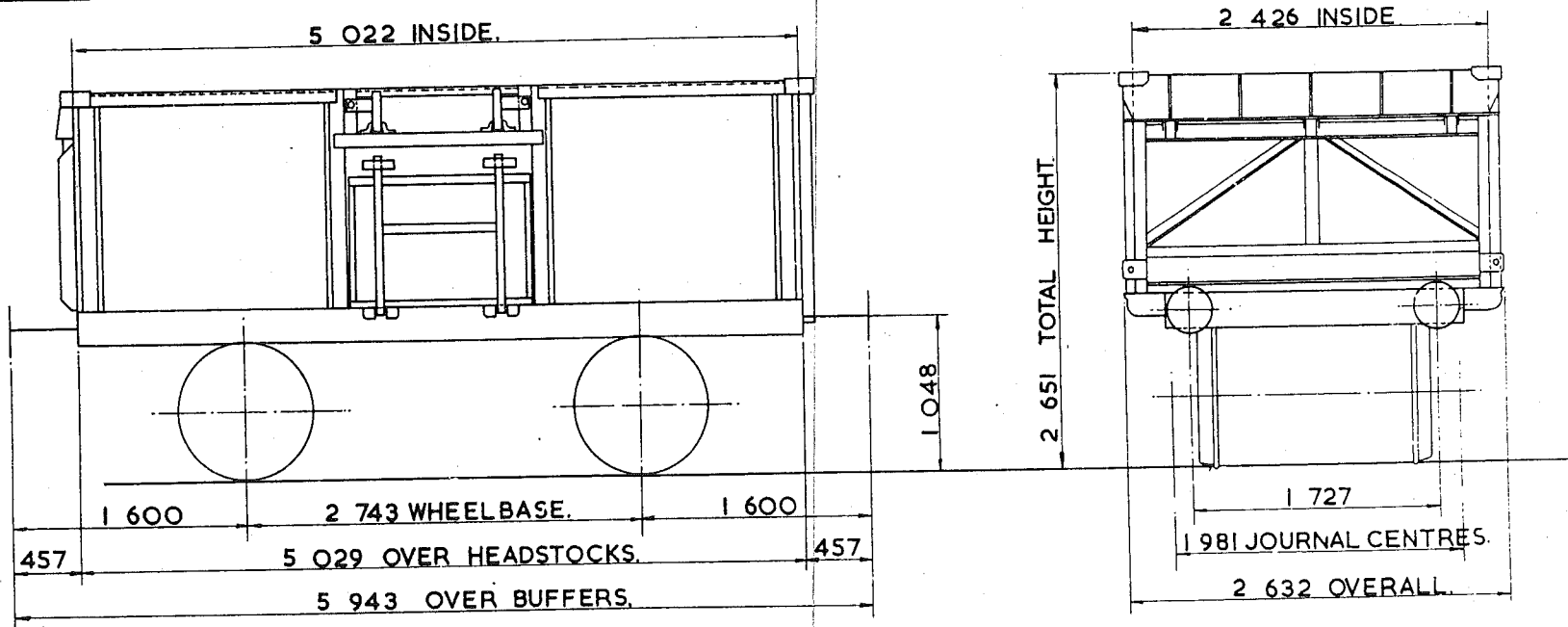
TARE - 7 800 kg.
CARRYING CAPACITY - 16 500 kg.
CAPACITY - 18.848 m <sup>3</sup> .
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228 x 114 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 21m.
GEN. ARRGT. DRG. No. - SW/DE/2890
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

LOT NUMBER		
PART 2255	PART 2918	PART 2923
PART 2637	PART 2919	PART 3062
PART 2687	PART 2920	PART 3063
PART 2797	PART 2921	
PART 2917	PART 2922	

EXCESS LENGTH	H	M	L	E
tonnes	27	17	13	9
VB	4	4	4	4
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND	OPERATING PANEL No				
M	C	V	M	C	V	D
						3



TARE - 7800kg.
CARRYING CAPACITY - 16500kg.
CAPACITY - 18.349 m <sup>3</sup> .
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228x 114 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 21m.
GEN. ARRGT. DRG. No. - SW/DE/2890.
BRAKE - VACUUM BLOCK & HAND LEVER.
SUSPENSION - SHOE.

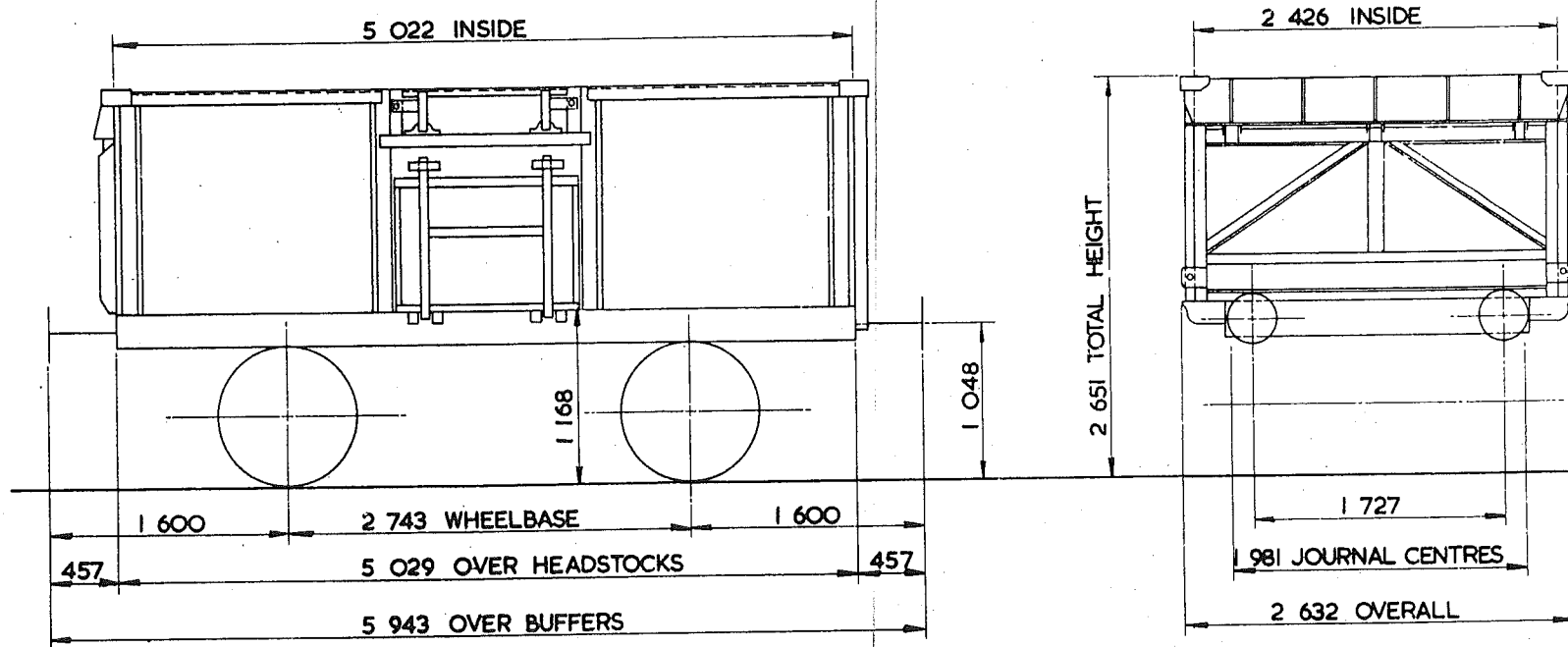
# MINERAL WAGON

MCOO IH

LOT NUMBER			
PART 2302	PART 2686	PART 2915	PART 2923
PART 2634	PART 2806	PART 3054	PART 3063
PART 2635	PART 2910	PART 3143	
PART 2636	PART 2907	PART 2937	
PART 2685	PART 2912	PART 2917	

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	11	11	4	4
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE						
CARKND	AARKND		OPERATING PANEL No.			
M	C	V	M	C	V	E
						2



TARE --	7 824 kg
CARRYING CAPACITY --	16 500 kg
CAPACITY --	18.349 m <sup>3</sup>
MAX. SPEED --	45 mile/h
WHEELS --	952 DIA
JOURNALS --	228 x 114 PLAIN BEARINGS

BUFFERS --	SPINDLE 330 DIA HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21 m
GEN. ARRGT. DRG. No. --	SW/DE/2890
BRAKE --	VACUUM BLOCK & HANDLEVER
SUSPENSION --	SHOE

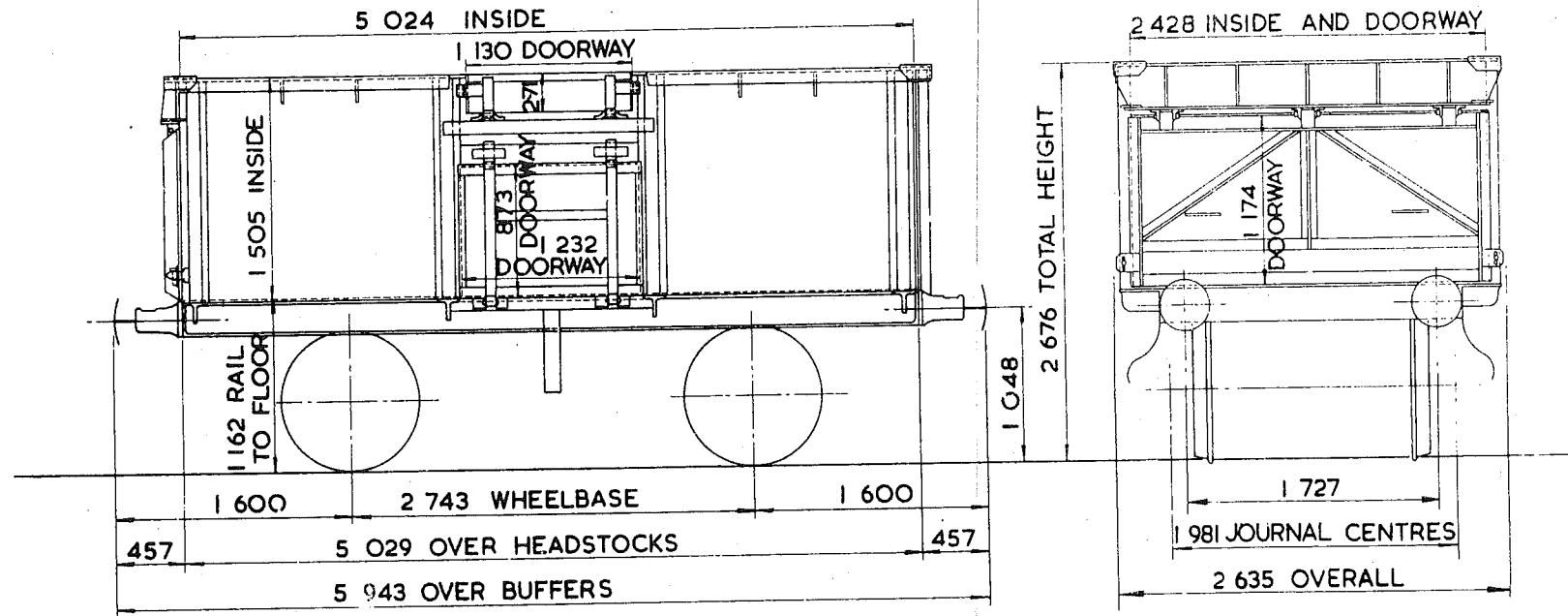
# MINERAL WAGON

MCCOOL

LOT NUMBER
2105
2123
PART 2473
PART 2480
PART 2502

EXCESS LENGTH	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA				
MAX SPEED	45	45	45	45

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No.				
M	C	Ø	M	C	Ø	C			I



TARE - 7 850 kg
CARRYING CAPACITY - 16 500 kg
CAPACITY - 18.332 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 x 114 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - 13/3691
BRAKE - HAND LEVER
SUSPENSION - SHOE

EX BR. DIAGRAM 111

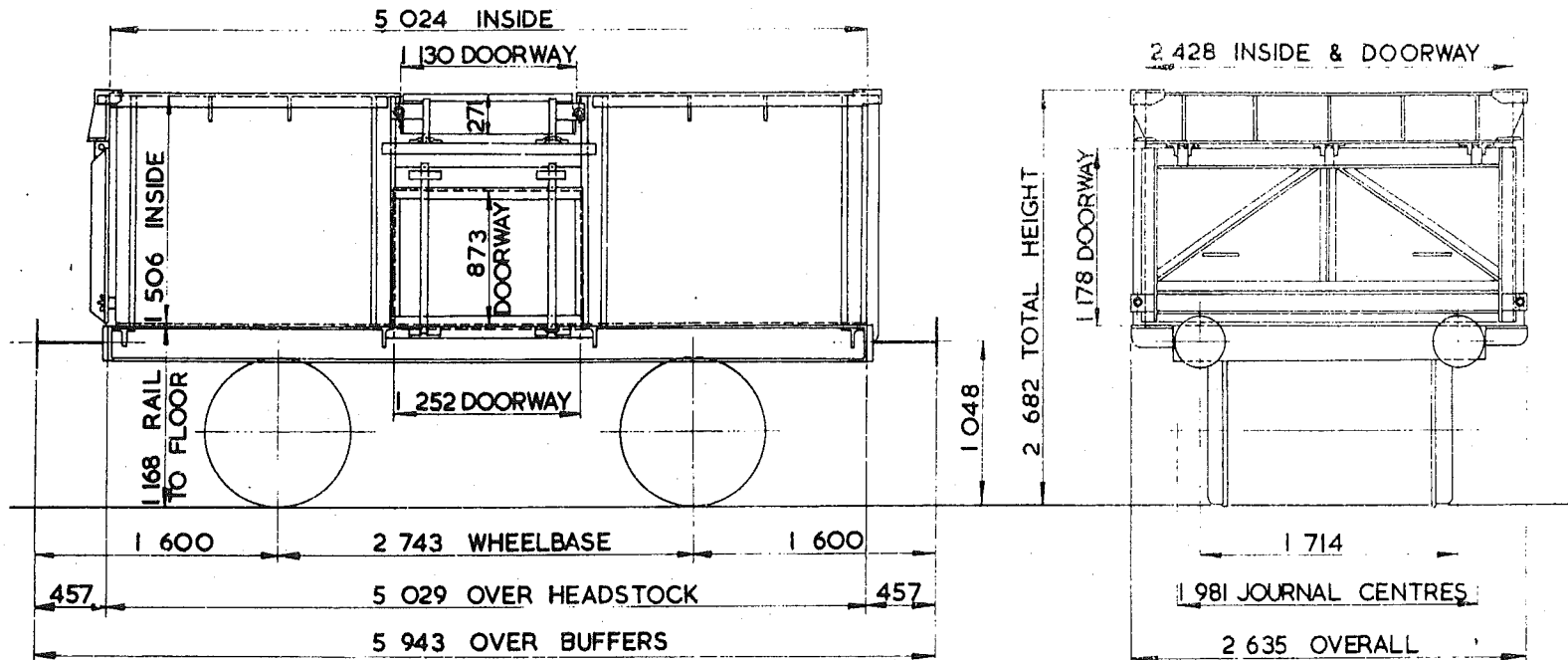
# MINERAL WAGON

MCOO3A

LOT NUMBER
PART 2599
PART 3146
PART 2992
PART 2993
PART 3043

EXCESS LENGTH:	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA	I	I	I	I
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No			
M	C	Ø	M	C	Ø	C			I



TARE -	7050 kg
CARRYING CAPACITY -	16500 kg
CAPACITY -	18.371 m <sup>3</sup>
MAX. SPEED -	45 mile / h
WHEELS -	952 DIA.
JOURNALS -	228 x 114 PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	21 m.
GEN. ARRGT. DRG. No.	SW/DE 21000 - BODY RCH 3004 & 5 - UNDERFRAME
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

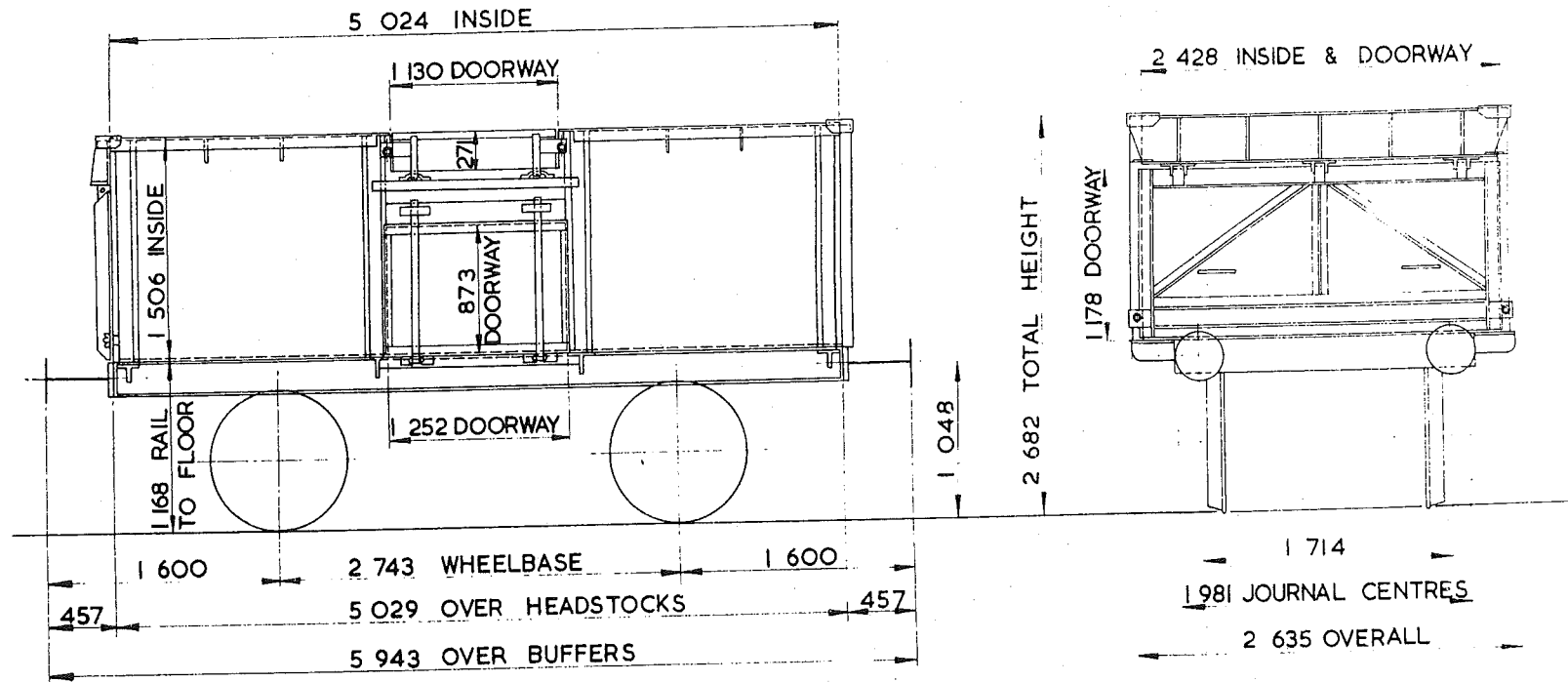
# MINERAL WAGON

MCOO3 B

LOT NUMBER
PART 3042
PART 3076
PART 3145
PART 3146

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	4	4	4	4
AB				
RA				
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
M	C	V	M	C	V	E			3



TARE --	8 050 kg
CARRYING CAPACITY --	16 500 kg
CAPACITY --	18.371m <sup>3</sup>
MAX. SPEED --	45 mile/h
WHEELS --	952 DIA.
JOURNALS --	228x114 PLAIN BEARINGS

BUFFERS --	SPINDLE 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21 m.
GEN. ARRGT. DRG. No.	SW/DE 21000 BODY RCH 3004&5 UNDERFRAME
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

EX. BR. DIAGRAM 99 (ALLOCATED)



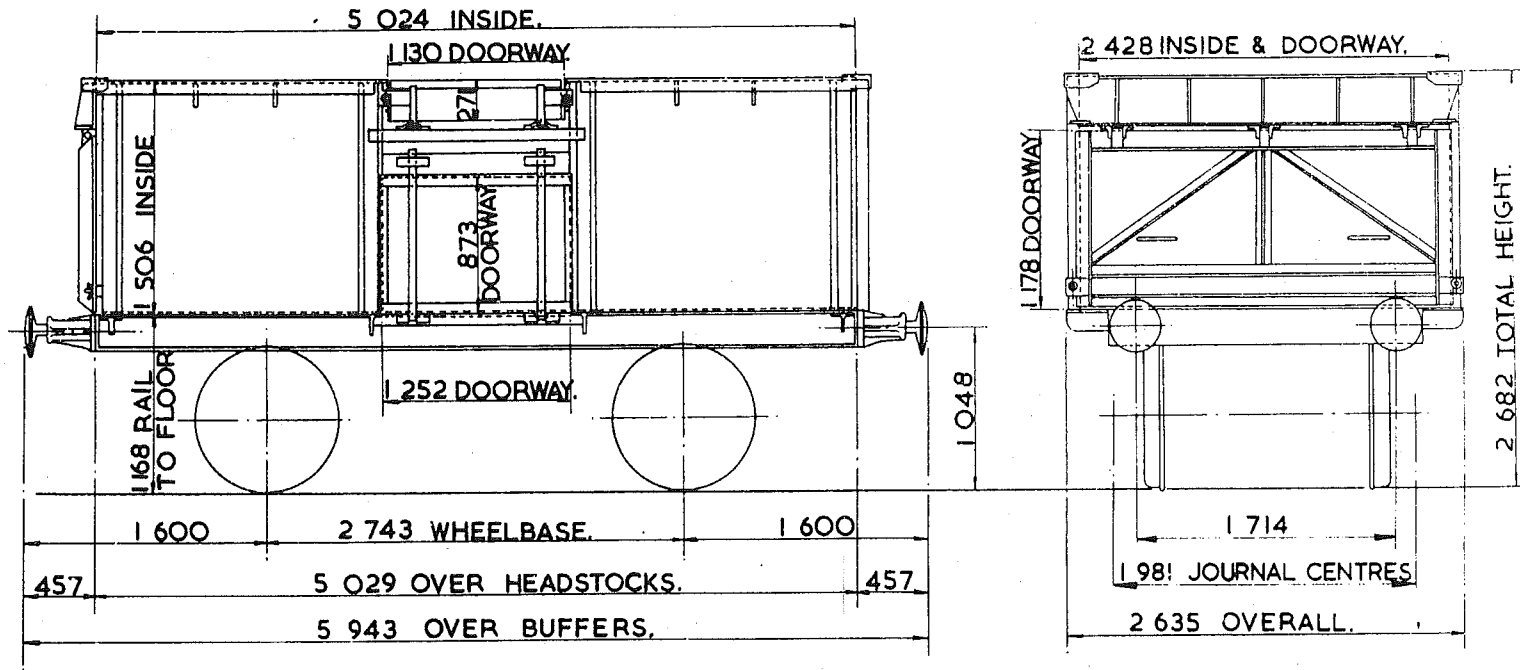
# MINERAL WAGON

MCOO3C

LOT NUMBERS		
PART 2257	PART 3042	2123
PART 2599	PART 3043	2210
PART 2636	PART 3146	2287
PART 2670	PART 2992	2288
PART 2711	PART 2993	2292
		2486

EXCESS LENGTH	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE		
CARKND	AARKND	PERMAN. PANELS
M	C	Ø
M	C	Ø
C		



TARE - 7050kg.
CARRYING CAPACITY - 16500kg.
CUBIC CAPACITY - 18.371 m <sup>3</sup> .
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228 x 114 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/DE 21000-BODY RCH 3004&5-UNDERFRAME.
BRAKE - HAND LEVER
SUSPENSION - SHOE.

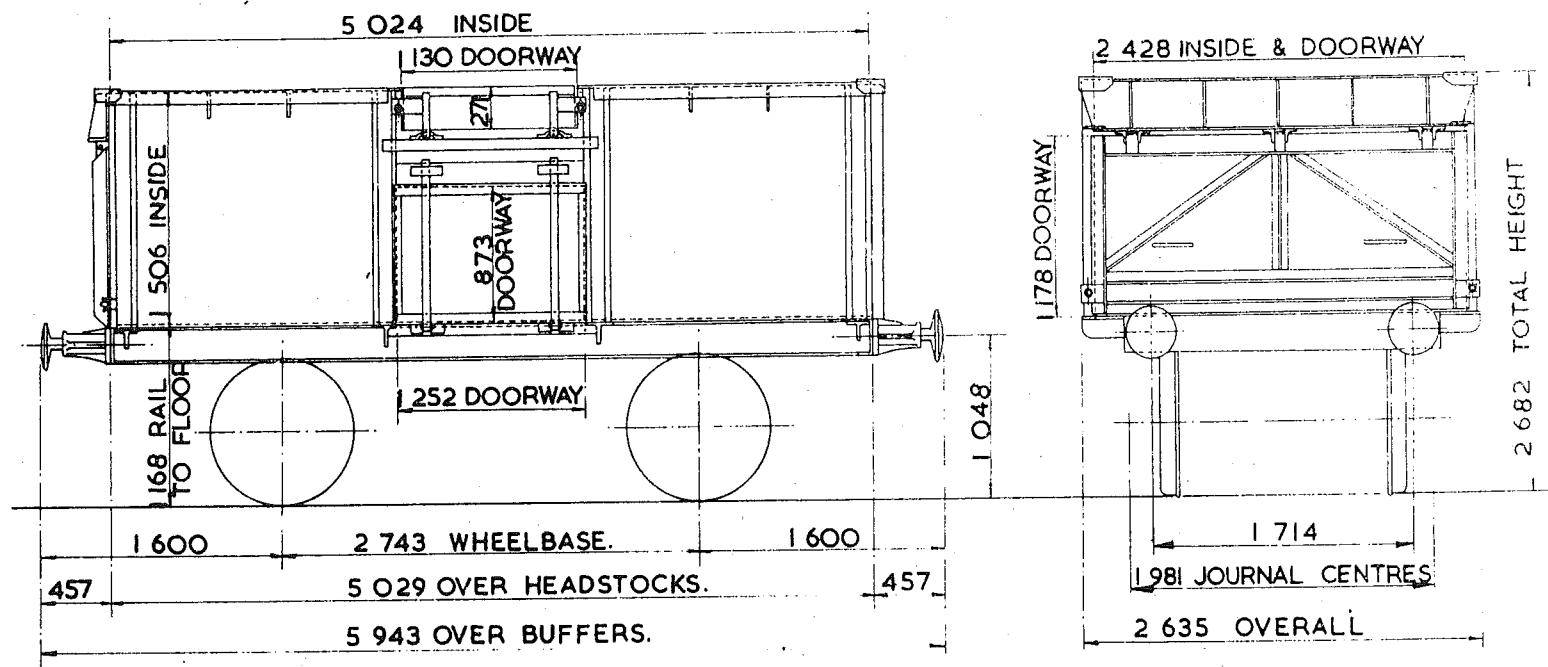
# MINERAL WAGON

MCOO3 D

LOT NUMBER
PART 3042
PART 3145
PART 3146
PART 3076

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	4	4	4	4
— AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
M	C	V	M	C	V
					3



TARE - 8050kg.
CARRYING CAPACITY - 16500kg.
CUBIC CAPACITY - 18.371 m <sup>3</sup> .
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228x114 PLAIN BEARINGS.

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 21m.
GEN. ARRG. DRG No - RCH 3004 & 5 UNDERFRAME
SW/DE 21000 - BODY
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE.

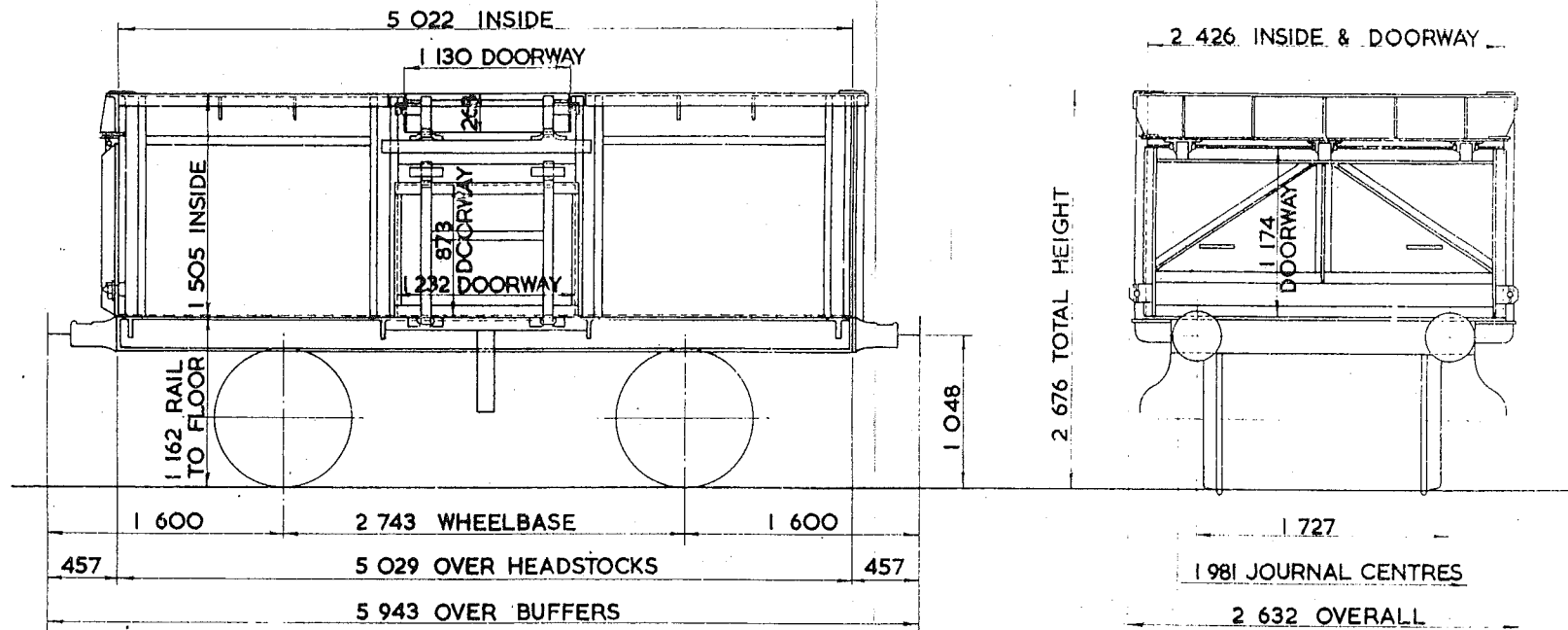
# MINERAL WAGON

MCOO4 B

LOT NUMBER
PART 2160
PART 2161
PART 2162
PART 2242
PART 2243

EXCESS LENGTH	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No					
M	C	Ø	M	C	Ø	D				I



TARE - 7 700 kg
CARRYING CAPACITY - 16 500 kg
CAPACITY - 18.332 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 X 114 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - RCH 2689 AND 2690
BRAKE - HAND LEVER
SUSPENSION - SHOE

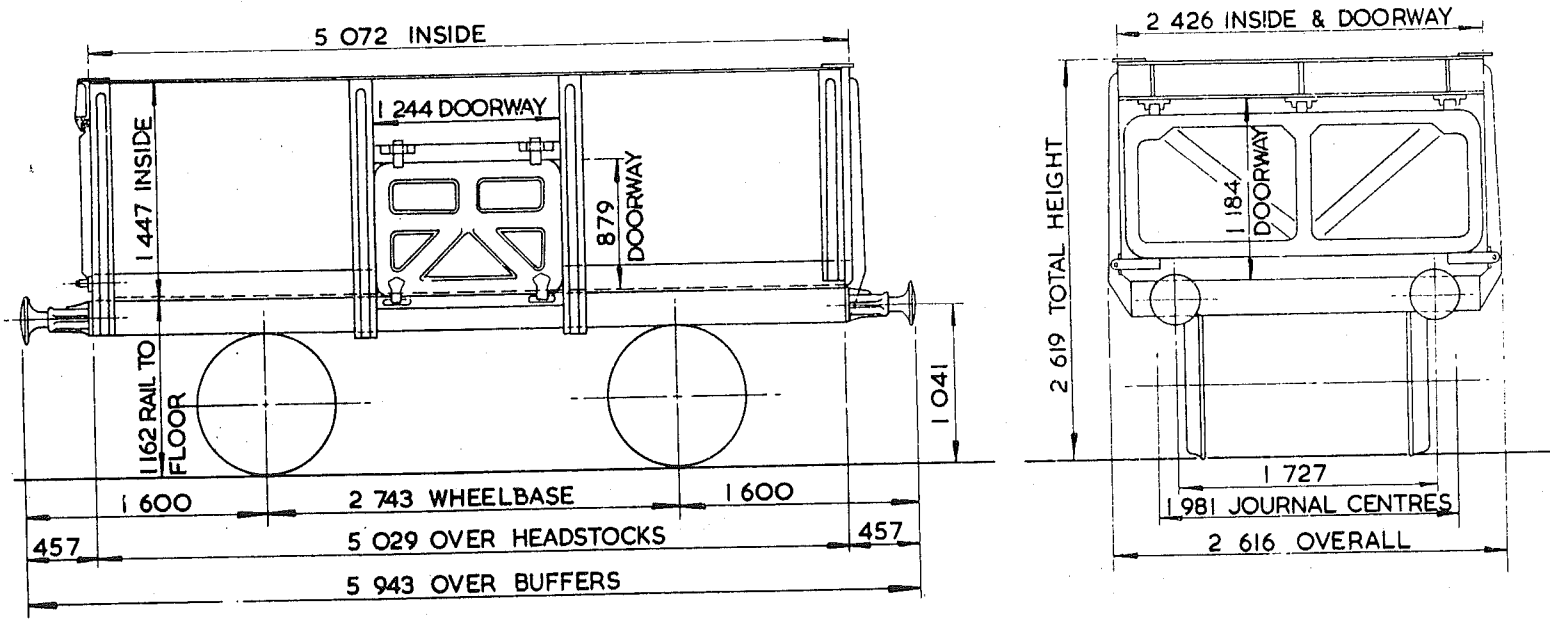
# MINERAL WAGON

MCO06A

LOT NUMBER
2288

EXCESS LENGTH	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA	I	I	I	I
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No.				
M	C	Ø	M	C	Ø	D			I



TARE -	7550kg
CARRYING CAPACITY	16 500kg
CAPACITY	17.801 m <sup>3</sup>
MAX. SPEED -	45 mile/h
WHEELS -	939 DIA
JOURNALS -	228x114 PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	21m
GEN. ARRGT. DRG. No. -	HN 5208 / B
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

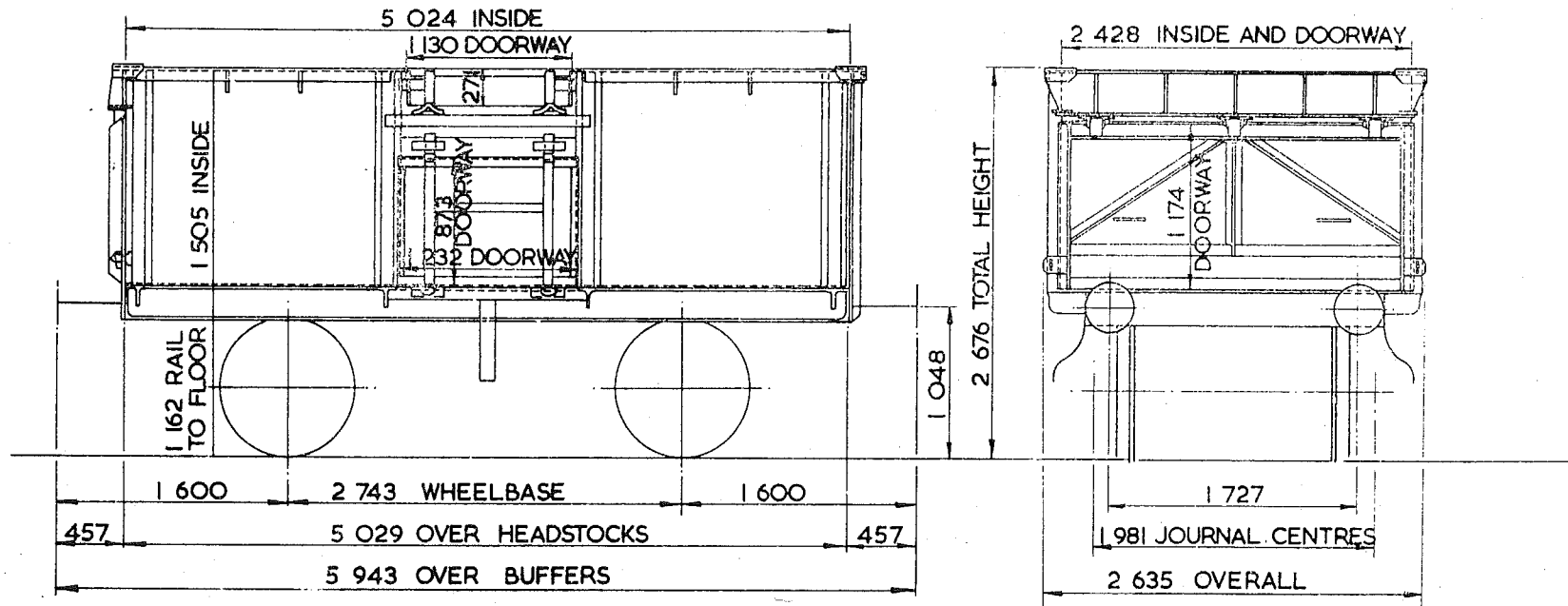
# MINERAL WAGON

MCO07B

LOT NUMBER
PART 2331

EXCESS LENGTH	H	M	L	E
tonnes	23	17	13	9
VB	11	11	4	4
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE							
CARKND	AARKND			OPERATING PANEL No.			
M	C	V	M	C	V	D	2



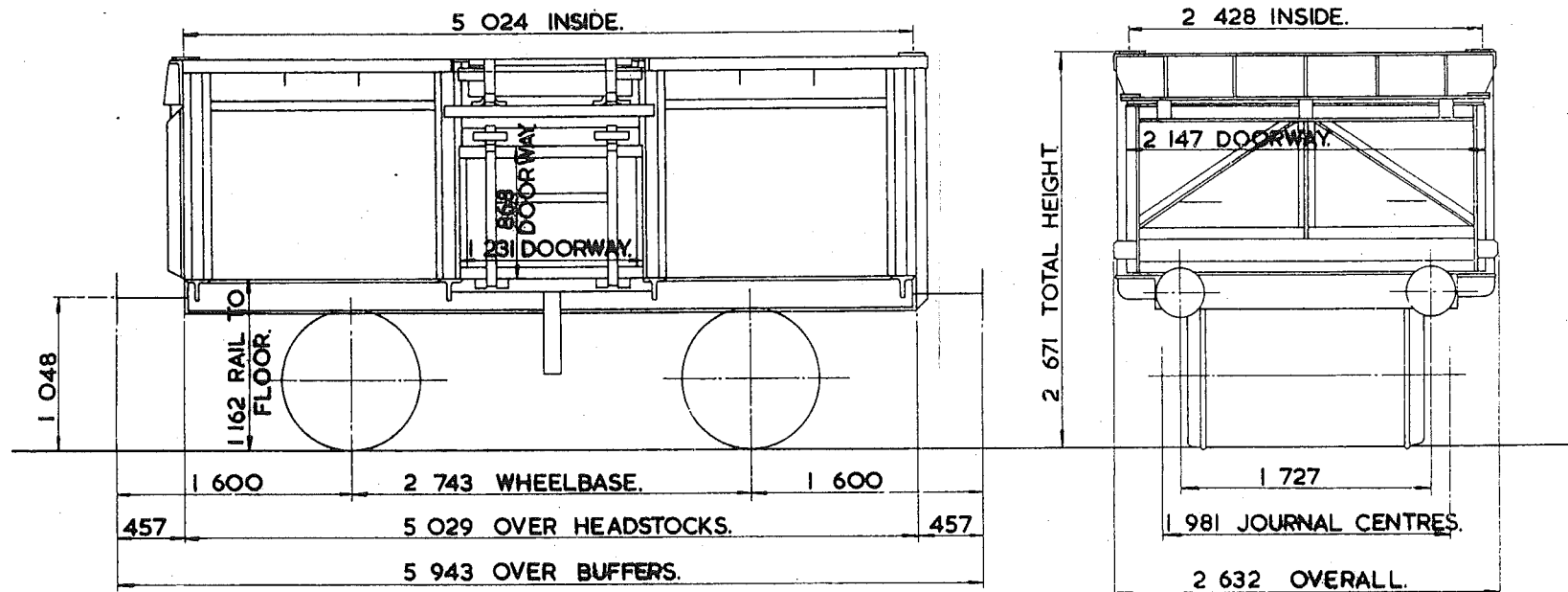
TARE - 8 050 kg
CARRYING CAPACITY - 16 500 kg
CAPACITY - 18.332 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 x 114 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS.
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - 13/4429
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

LOT NUMBER
PART 1516
PART 1540

EXCESS LENGTH	H	M	L	E
tonnes	22	16	12	8
VB				
AB				
RA	1	1	1	1
MAX. SPEED	45	45	45	45

TOPS CODE								
CARKND			AARKND			OPERATING PANEL No		
M	C	Ø	M	C	Ø	D		1



TARE -	7850kg.
CARRYING CAPACITY -	16500kg.
CAPACITY -	16233m <sup>3</sup> .
MAX. SPEED -	45mile/h.
WHEELS -	952 DIA.
JOURNALS -	200x114 PLAIN BEARINGS.

BUFFERS -	SPINDLE 330 DIA. HEADS.
COUPLINGS -	INSTANTER.
MIN. CURVE -	21m.
GEN. ARRGT. DRG. No.	13/3961, 13/3750.
BRAKE -	HAND LEVER.
SUSPENSION -	SHOE.

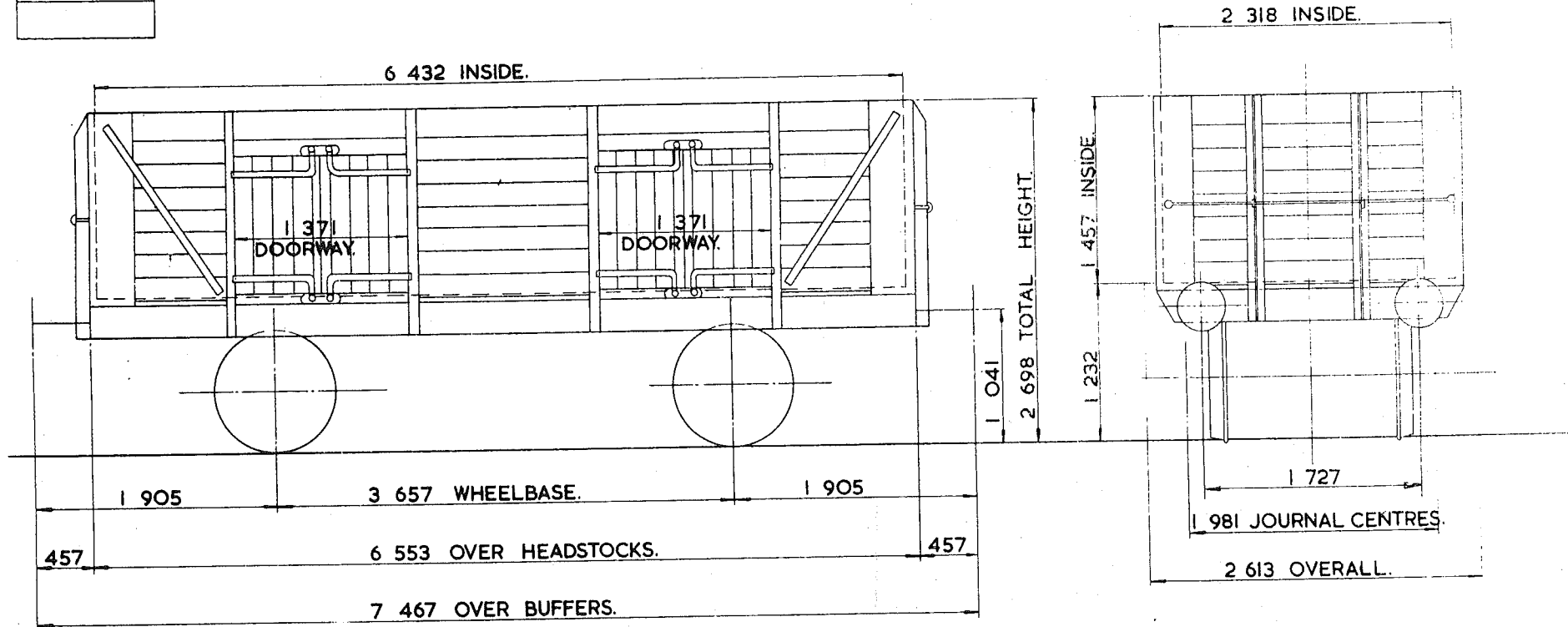
# MINERAL WAGON

# MDOOIA

LOT NUMBER

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. CROPPED	50	50	50	50	

TOPS CODE					
CARKND	AARKND			OPERATING PANEL No.	
M	D	Ø	M	D	Ø
			\$	B	W
				P	



TARE -	9000 kg.
CARRYING CAPACITY -	21500 kg.
CAPACITY -	21.713 m <sup>3</sup> .
MAX. SPEED -	50 mile/h.
WHEELS -	952 DIA.
JOURNALS -	254x127 PLAIN BEARINGS.

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER.
MIN. CURVE -	26m.
GEN. ARRG. DRG. No.	-13772D.
BRAKE -	HAND LEVER.
SUSPENSION -	SHOE.

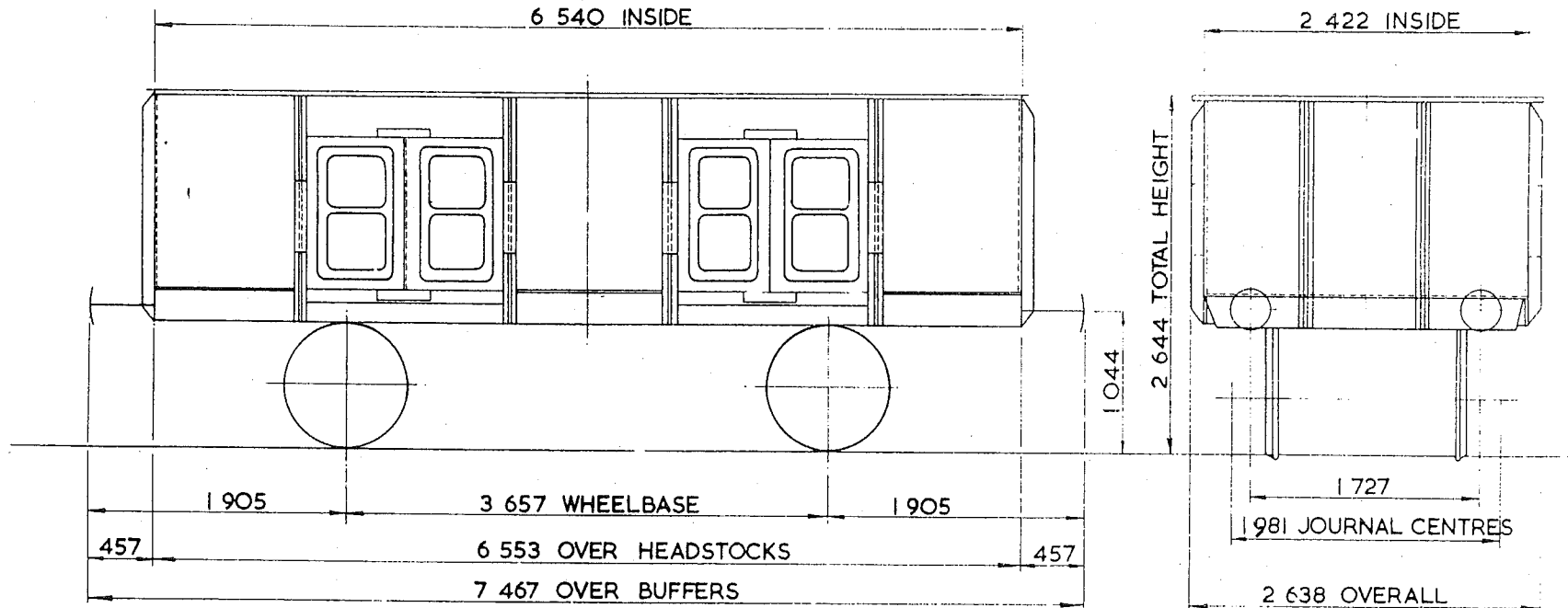
# MINERAL WAGON

MDOO2A

LOT NUMBER

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE										
CARKND					AARKND					OPERATING PANEL No
M	D	Ø	M	D	Ø	€			1	7



TARE -	9 300 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	23 126 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	940 DIA.
JOURNALS -	254 x 127 PLAIN BEARINGS

BUFFERS -	SPINDLE 330 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26 m
GEN. ARRGT. DRG. No. -	17112 D
BRAKE -	HAND LEVER
SUSPENSION -	SHOE



# MINERAL WAGON

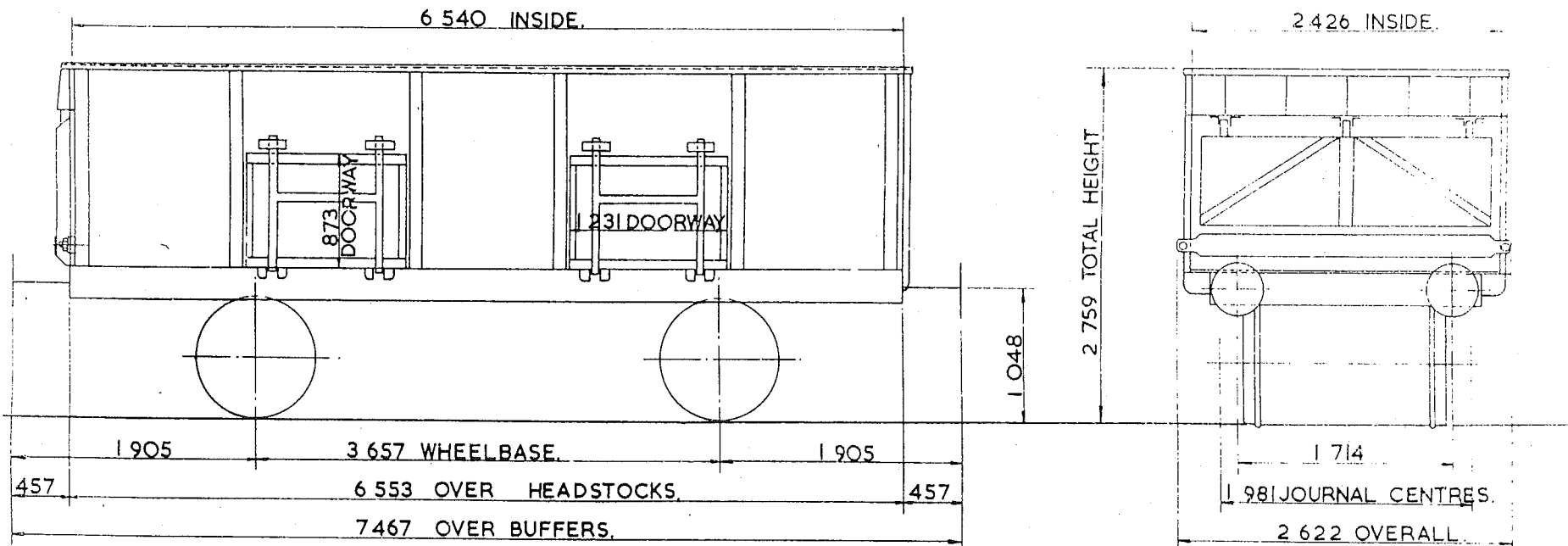
MDO07A

REBODIED EX HORNER COAL WAGON

LOT NUMBER					
PART 2052	PART 2165	PART 2330	PART 2552	PART 2728	PART 2935
PART 2053	PART 2166	PART 2400	PART 2609	PART 2731	PART 2954
PART 2054	PART 2167	PART 2401	PART 2713	PART 2932	PART 3013
PART 2163	PART 2168	PART 2102	PART 2726	PART 2933	PART 3045
PART 2164	PART 2212	PART 2403	PART 2727	PART 2934	

EXCESS LENGTH	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE	
CARKND	AARKND
M D Ø M D Ø E	B W P



TARE - 9 000 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 25.115 m <sup>3</sup>
MAX. SPEED - 50 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SELF CONTAINED 406 DIA. HEADS.
COUPLINGS - INSTANTER.
MIN. CURVE - 26m.
GEN. ARRGT. DRG. No. - F-S-6550.
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

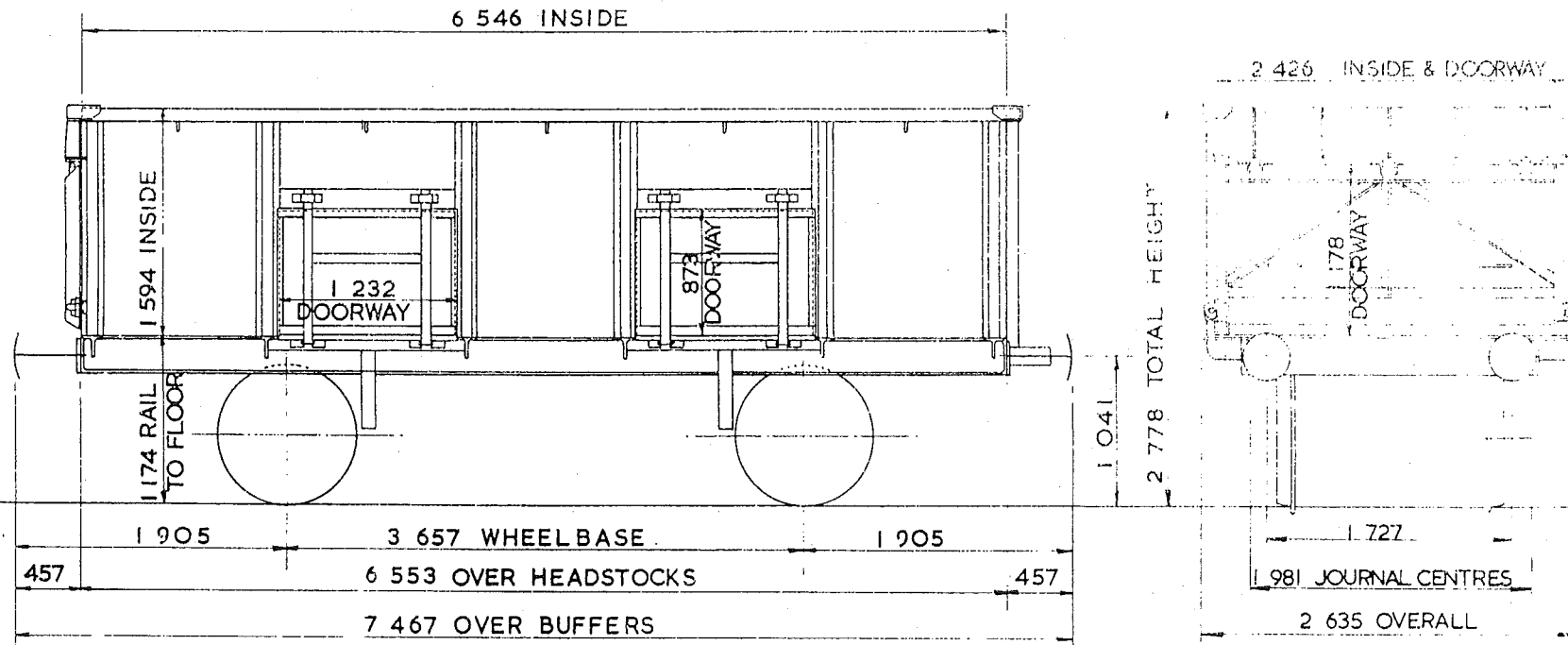
# MINERAL WAGON

MDOO7B

LOT NUMBER
PART 2191
PART 2192
PART 2193

EXCESS LENGTH 2	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX SPEED	50	50	50	50

TOPS CODE	
MARKING	MARKING
M D Ø M D Ø E	1 7



TARE - 10 250 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 25 307 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG No. - RCH 2719
BRAKE - HAND LEVER.
SUSPENSION - SHOE

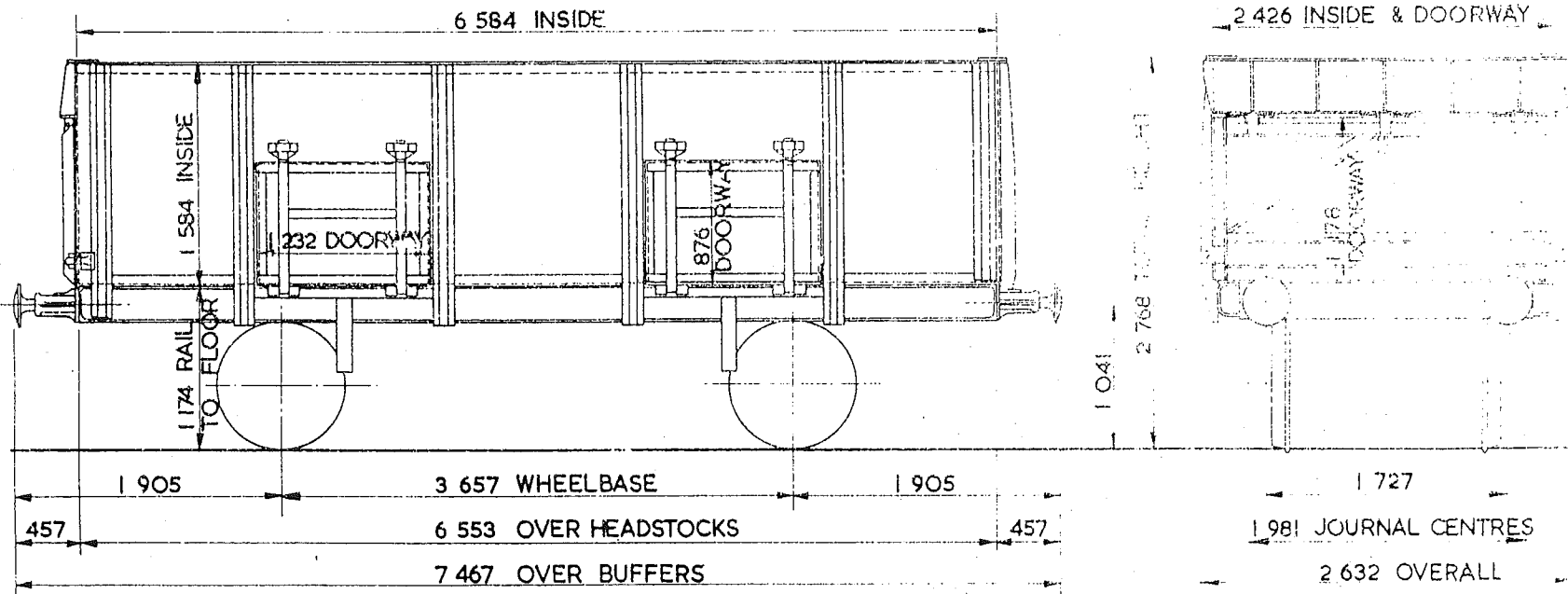
# MINERAL WAGON

MDO07C

LOT NUMBER
PART 2190

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOP CODE	
CARKND	AAPKND
M D Ø	M D Ø E 1 7



TARE -	9 950 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	25.294 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	254 x 127 PLAIN BEARINGS

BUFFERS	SPINDLE 330 DIA. HEADS
COUPLINGS	INSTANTER
MIN. CURVE	26 m
GEN. ARRGT. DRG. N <sup>o</sup>	RCH 2714
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

# MINERAL WAGON

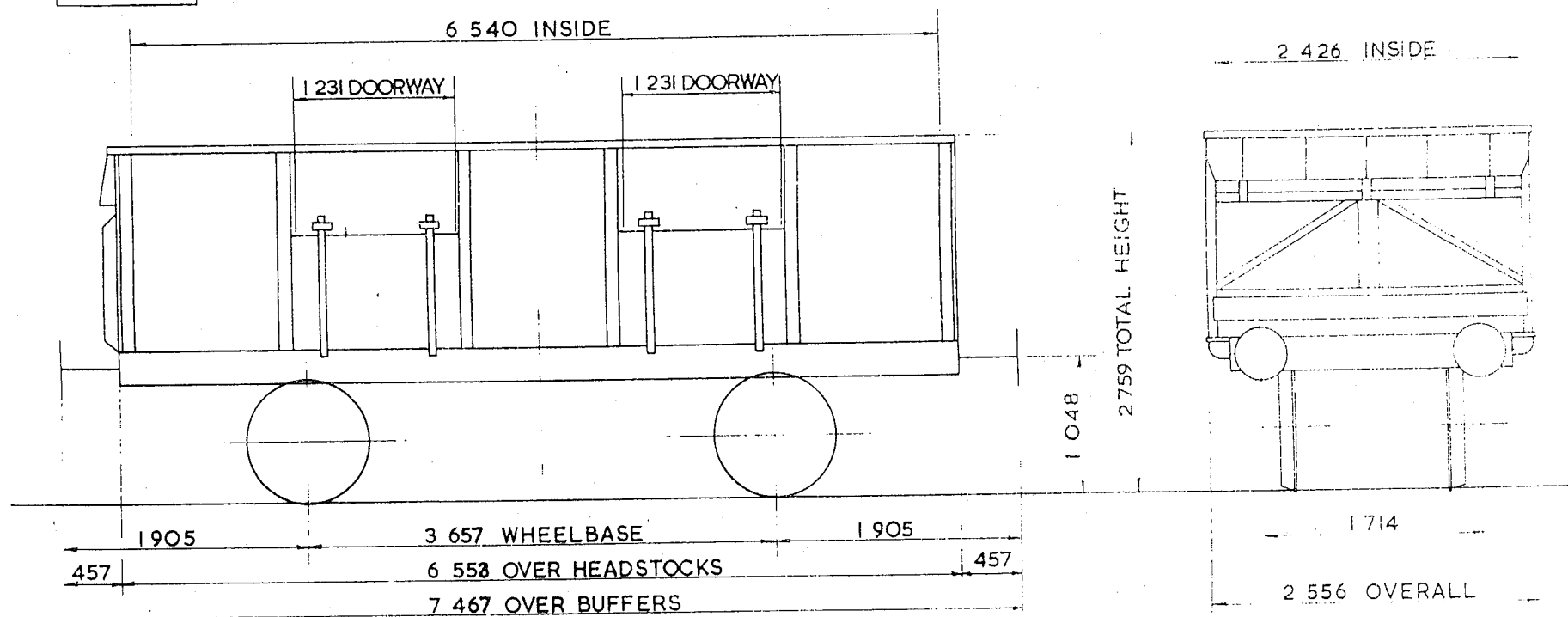
(REBUILT EX HOPPER COAL WAGON)

MDOO 7 D

LOT NUMBER
<b>PART 3036</b>

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATION	CLASS		
M	D	V	M	D	V
					2 9



TARE - 11400kg
CARRYING CAPACITY- 21500kg
CAPACITY- 25.145 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS -- 952 DIA.
JOURNALS - 224 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - FS- 6550 F. S. 6556
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

# MINERAL WAGON

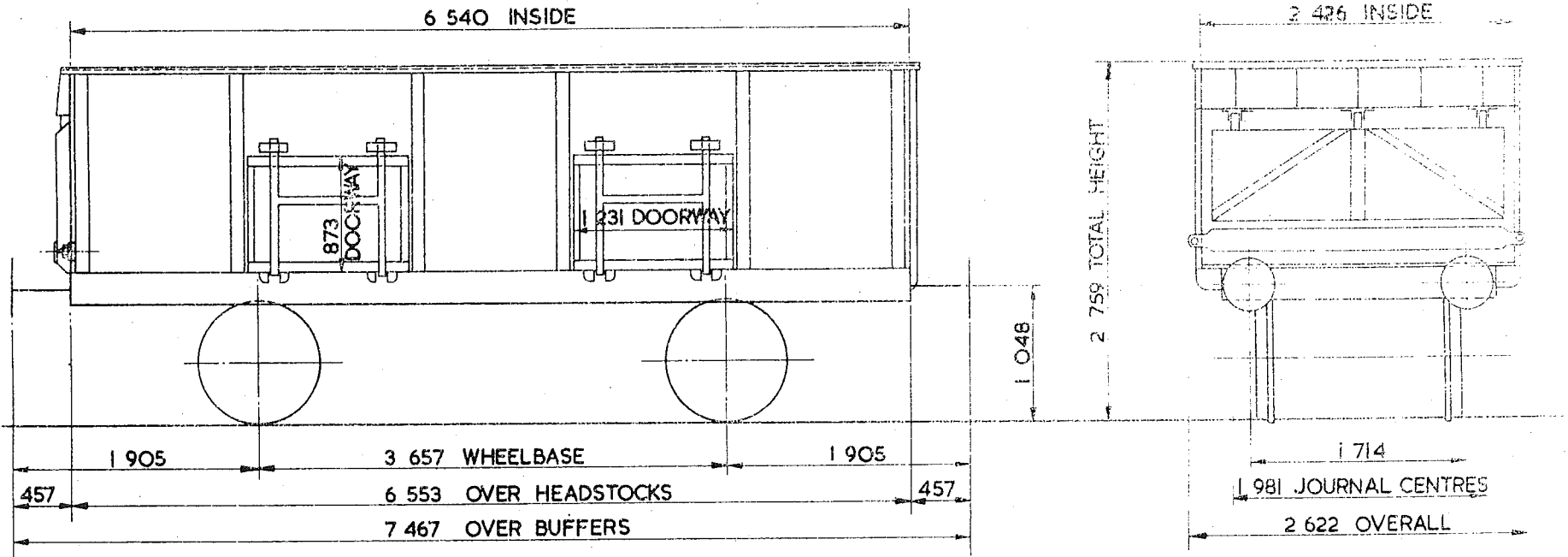
MDO07E

(REPRODUCED HOPPER COAL WAGON)

LOT NUMBER				
PART 2054	PART 2727	PART 2935	PART 3033	PART 3045
PART 2401	PART 2731	PART 3013	PART 3034	PART 3120
PART 2552	PART 2932	PART 3030	PART 3035	PART 3121
PART 2713	PART 2933	PART 3031	PART 3036	PART 3157
PART 2726	PART 2934	PART 3032	PART 3037	PART 3237

EXCESS LENGTH	H	M	L	E
tonnes	28	22	15	10
VB				
AB				
RA	3	1	1	1
MAX. SPEED	50	50	50	50

TOPS CODE		
CARKND	AARKND	OPERATING PLAN No.
M D Ø	M D Ø	E B W P



TARE -	9 000 kg
CARRYING CAPACITY -	21 500 kg
CAPACITY -	25.145 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	SELF CONTAINED 406 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26 m.
GEN. ARRGT. DRG. No. -	F-S-6550
BRAKE -	HAND LEVER
SUSPENSION -	SHOE

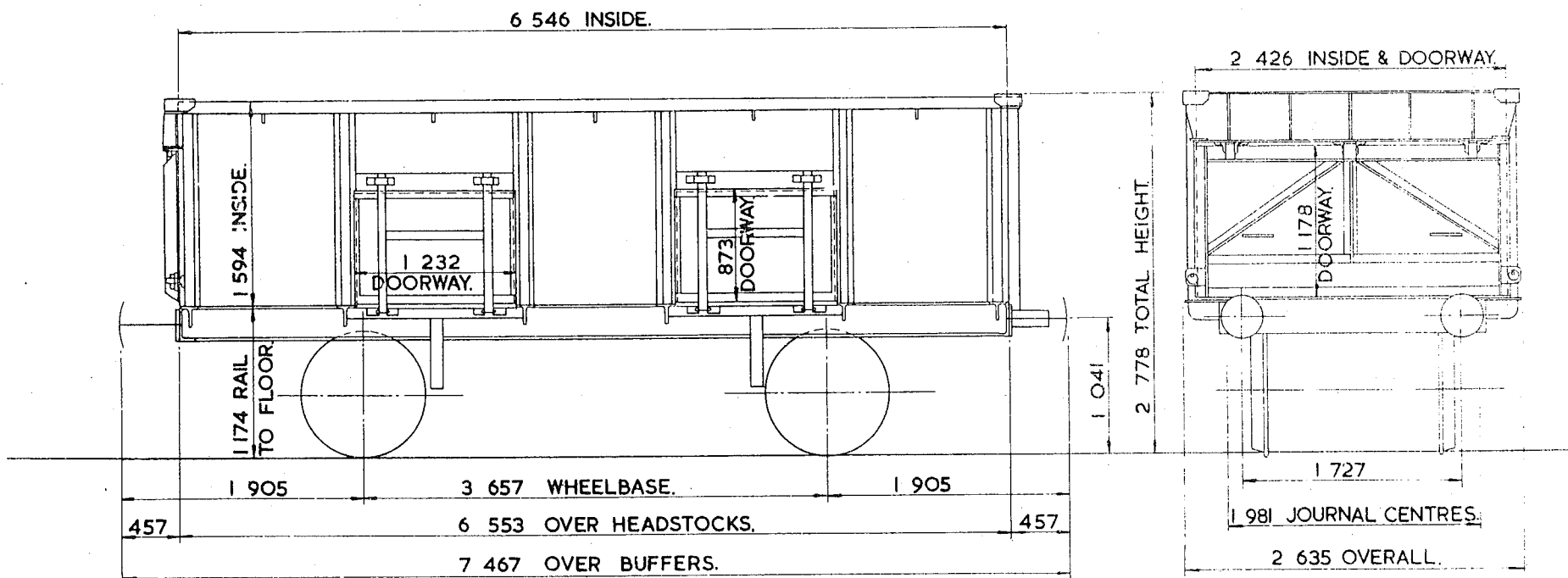
# MINERAL WAGON

MDO07F

LOT NUMBER
PART 2191
PART 2192
PART 2193

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND				
M	D	Ø	M	D	Ø
			E		1 7



TARE	10250kg.
CARRYING CAPACITY	21500kg.
CAPACITY	25.307m <sup>3</sup> .
MAX. SPEED	50 mile/h.
WHEELS	952 DIA.
JOURNALS	124 DIA. ROLLER BEARINGS.

BUFFERS	SPINDLE 330 DIA. HEADS.
COUPLINGS	INSTANTER.
MIN. CURVE	26 m.
GEN. ARRGT. DRG. No.	RCH 2719.
BRAKE	HAND LEVER.
SUSPENSION	SHOE.

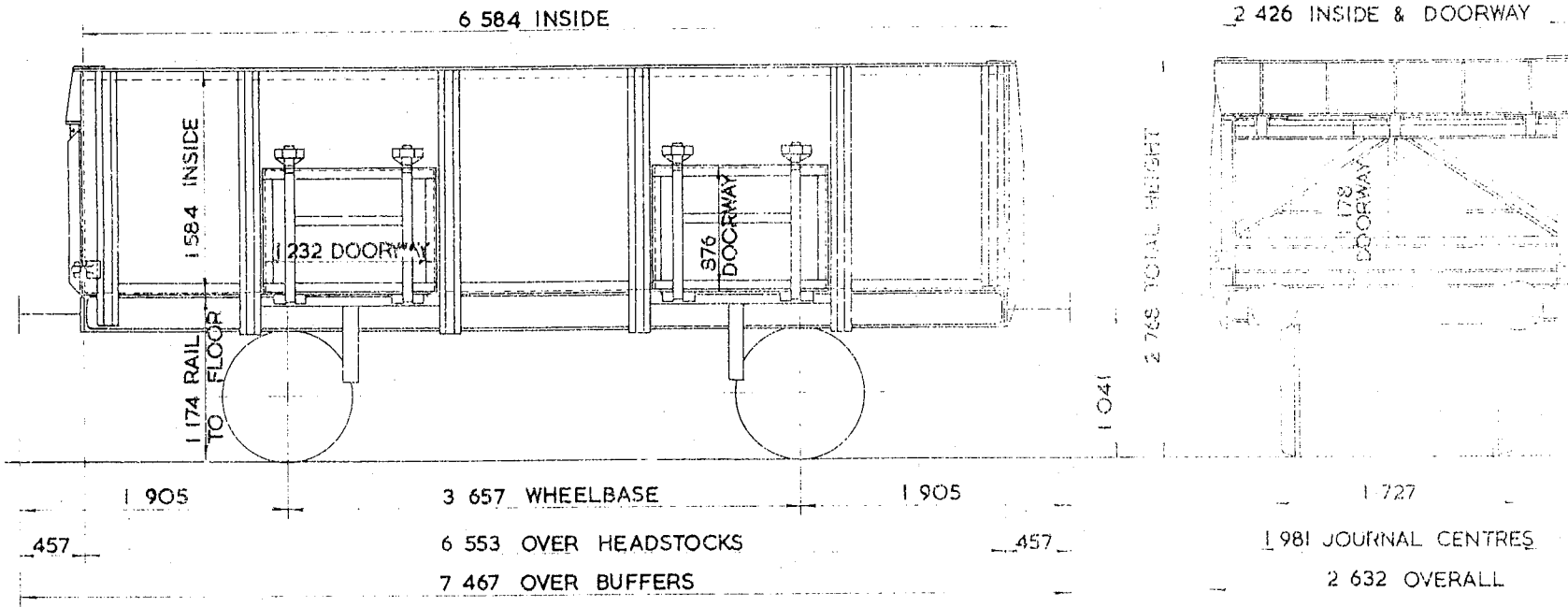
# MINERAL WAGON

MDO07G

LOT NUMBER
<b>PART 2190</b>

EXCESS LENGTH	2	H	M	L	E
tonnes	28	22	15	10	
VB					
AB					
RA	3	1	1	1	
MAX SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL			
M	D	Ø	M	D	Ø
					17



TARE - 9 950 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 25.294 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT DRG. No. - RCH 2714
BRAKE - HAND LEVER
SUSPENSION - SHOE

# MINERAL WAGON

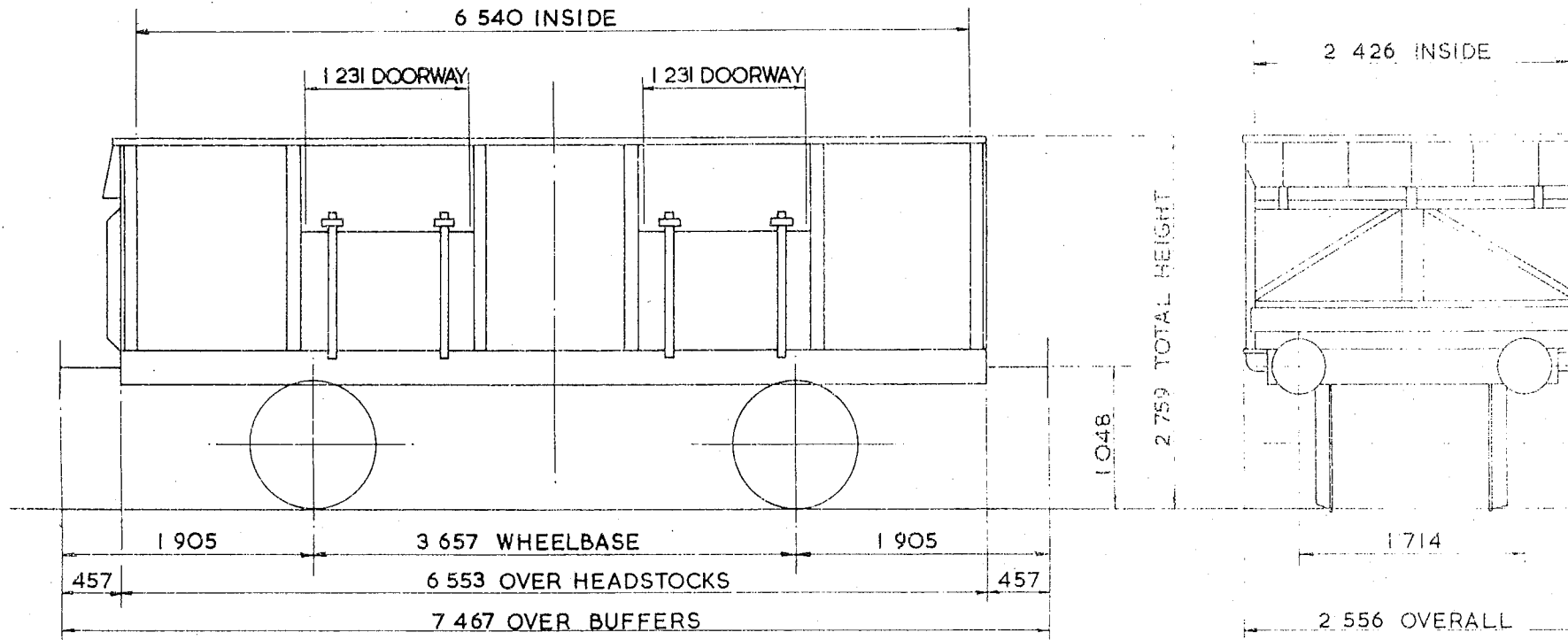
(REBODIED EX HOPPER COAL)

MD007H

LOT NUMBER
PART 3036

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE			
CARKND	AAPKND		
M	D	V	M
D	I	V	E
			2 9



TARE - 11 400 kg
CARRYING CAPACITY - 21 500 kg
CAPACITY - 25.145 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARING

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT DRG. No. - F. S. 6550 ~ F. S. 6556.
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE



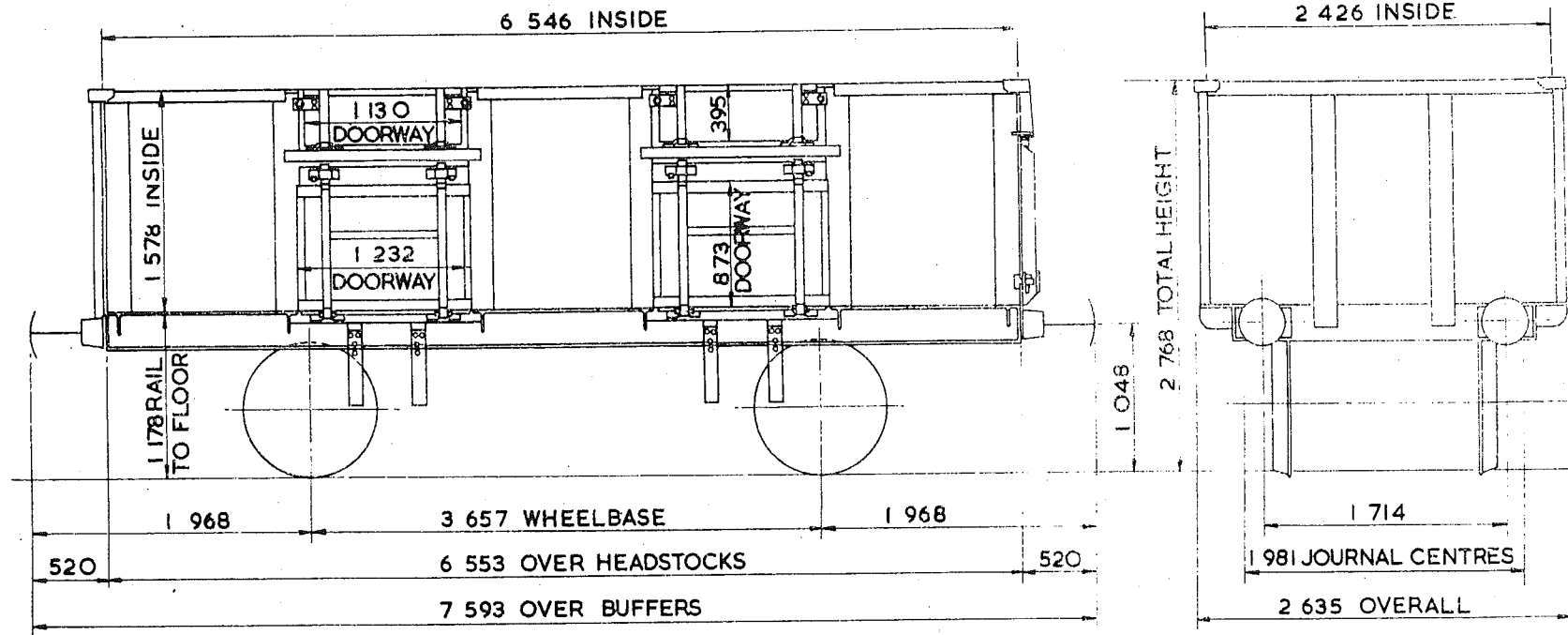
# MINERAL WAGON

MDO08 B

LOT NUMBER
3390
3438
3439
3430

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND			AARKND			OPERATING PANEL No.			
M	D	V	M	D	V	E			2 9



TARE --	11 400kg
CARRYING CAPACITY--	21 500kg
CAPACITY -	25.06m <sup>3</sup>
MAX. SPEED --	50 mile/h
WHEELS --	952 DIA.
JOURNALS --	124 DIA. ROLLER BEARINGS

BUFFERS --	HYDRAULIC 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	26 m
GEN. ARRGT. DRG. No.	SW/DN/29184
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

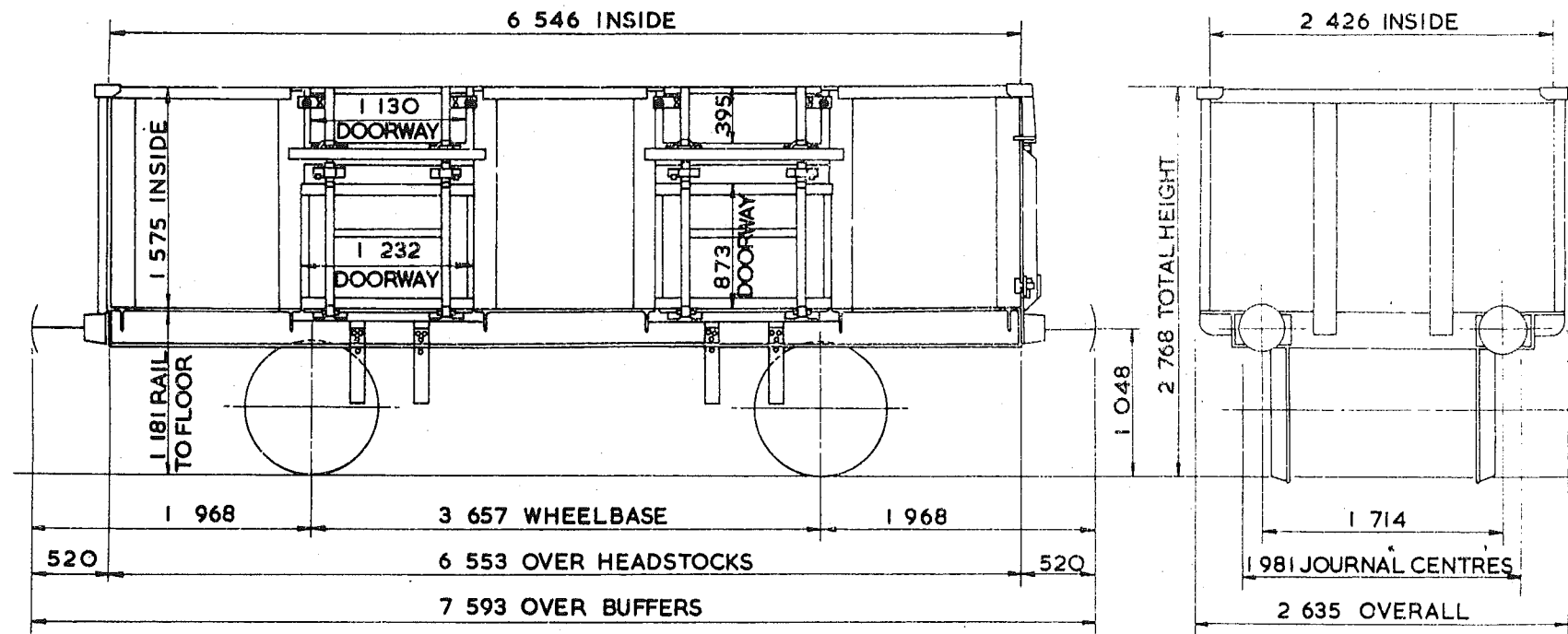
# MINERAL WAGON

MDO08C

LOT NUMBER
<b>PART 3387</b>

EXCESS LENGTH	2	H	M	L	E
tonnes	30	24	17	12	
VB	12	12	6	6	
AB					
RA	3	1	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE									
CARKND		AARKND			OPERATING PANEL No				
M	D	V	M	D	V	E			29



TARE -	11 200kg
CARRYING CAPACITY-	21 500kg
CAPACITY-	27 218 m <sup>3</sup>
MAX. SPEED -	50 mile/h
WHEELS -	952 DIA.
JOURNALS--	124 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 406 DIA. HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	26m
GEN. ARRGT. DRG. No.	SW/DN 29184 BODY SW/DN 29903U/F
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

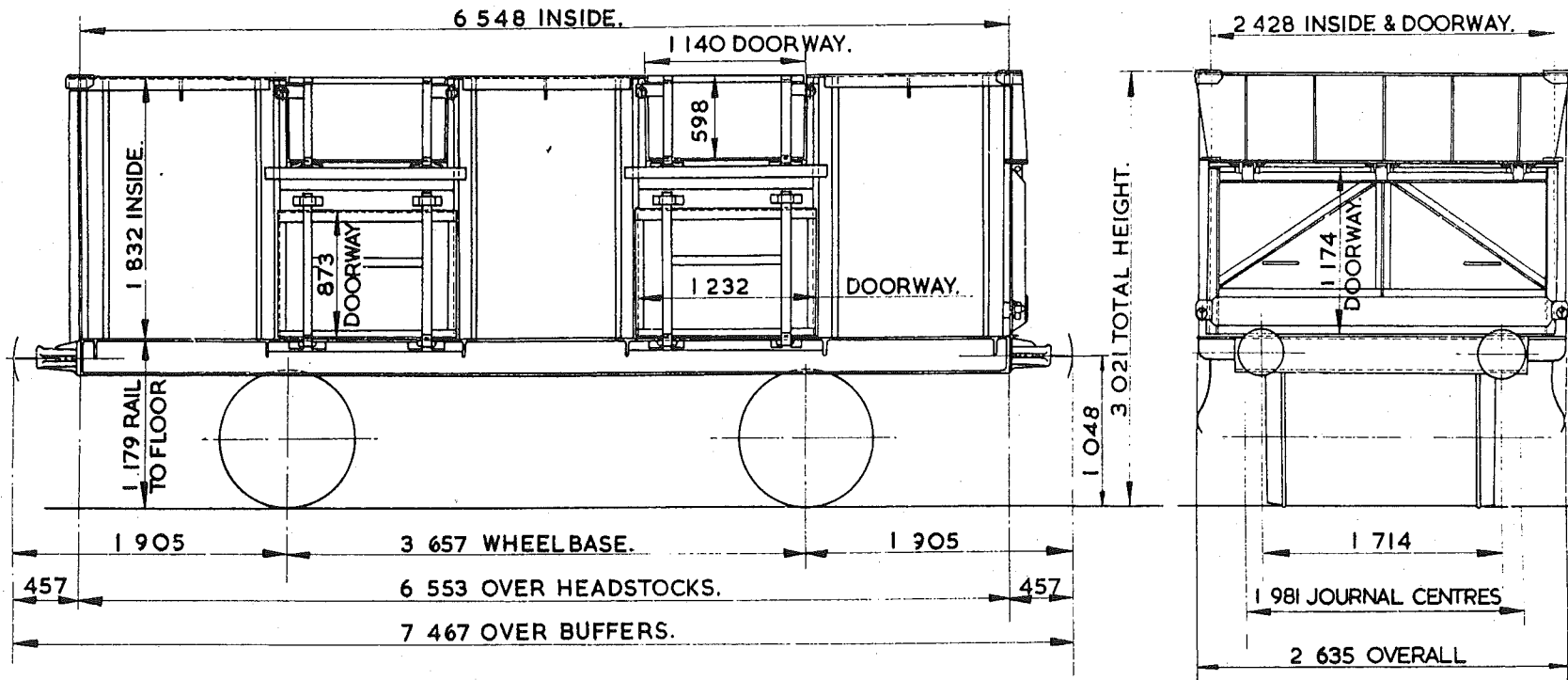
# MINERAL WAGON

MEOOIA

LOT NUMBER
PART 2460
PART 2600
PART 2602

EXCESS LENGTH	2	H	M	L	E
tonnes	32	26	17	11	
VB					
AB					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
M	E	Ø	M	E	Ø
					1 4



TARE --	10 500 kg
CARRYING CAPACITY --	25 000 kg
CAPACITY --	29,081 m <sup>3</sup>
MAX. SPEED --	50 mile/h
WHEELS --	952 DIA.
JOURNALS --	254 x 127 PLAIN BEARINGS.

BUFFERS --	SPINDLE 330 DIA. HEADS
COUPLINGS --	INSTANTER.
MIN. CURVE --	26 m
GEN. ARRGT. DRG. No. --	SW/DN37, SW/DN41.
BRAKE --	HAND LEVER
SUSPENSION --	SHOE.

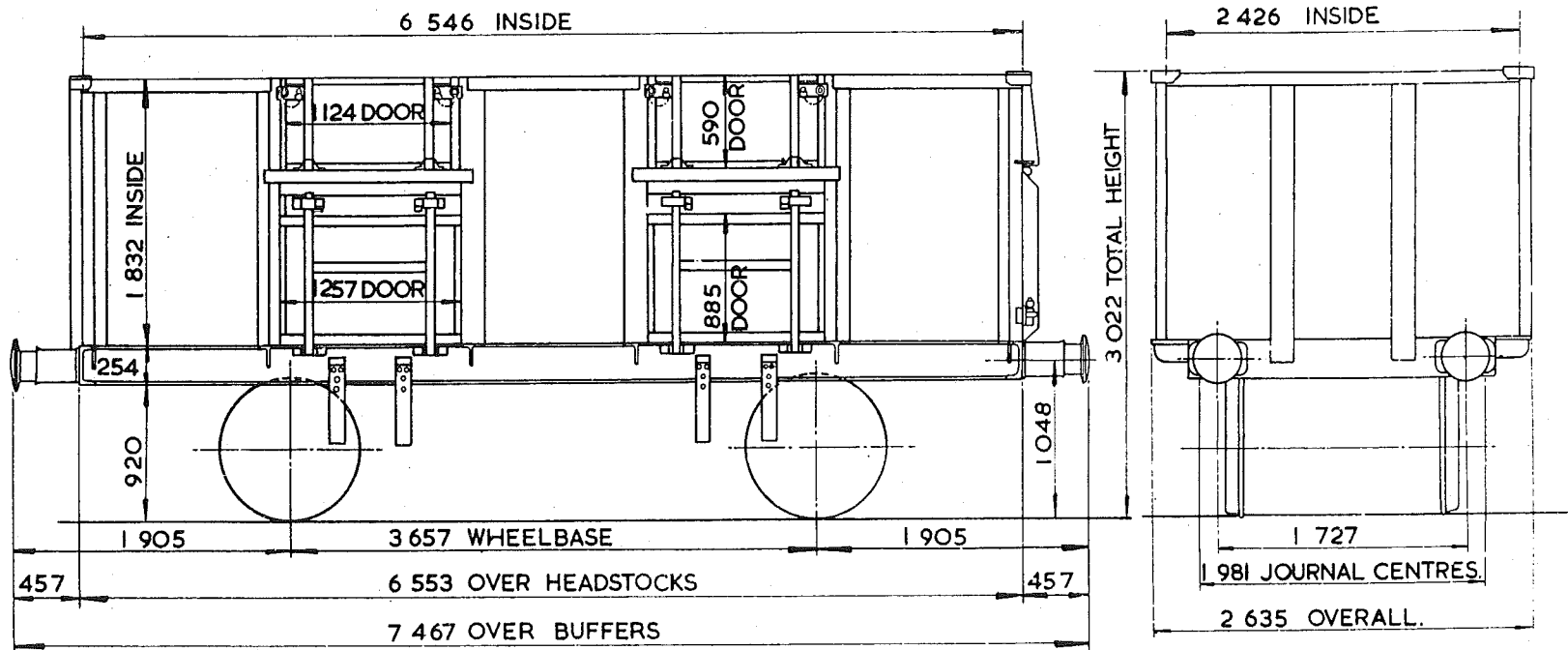
# MINERAL WAGON

MEOO2A

LOT NUMBER
PART 3302
PART 3388
PART 3427
PART 3244

EXCESS LENGTH	2	H	M	L	E
tonnes	32	26	17	11	
V-B					
A-B					
RA	4	2	1	1	
MAX. SPEED	50	50	50	50	

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
M E Ø	M E Ø E				1 4



TARE - 10 500 kg
CARRYING CAPACITY - 25 000 kg
CAPACITY - 29.081 m <sup>3</sup>
MAX. SPEED - 50 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SELF CONTAINED 330 DIA. HEADS.
COUPLINGS - INSTANTER
MIN. CURVE - 26 m
GEN. ARRGT. DRG. No. - DN 27926
BRAKE - HAND LEVER
SUSPENSION - SHOE

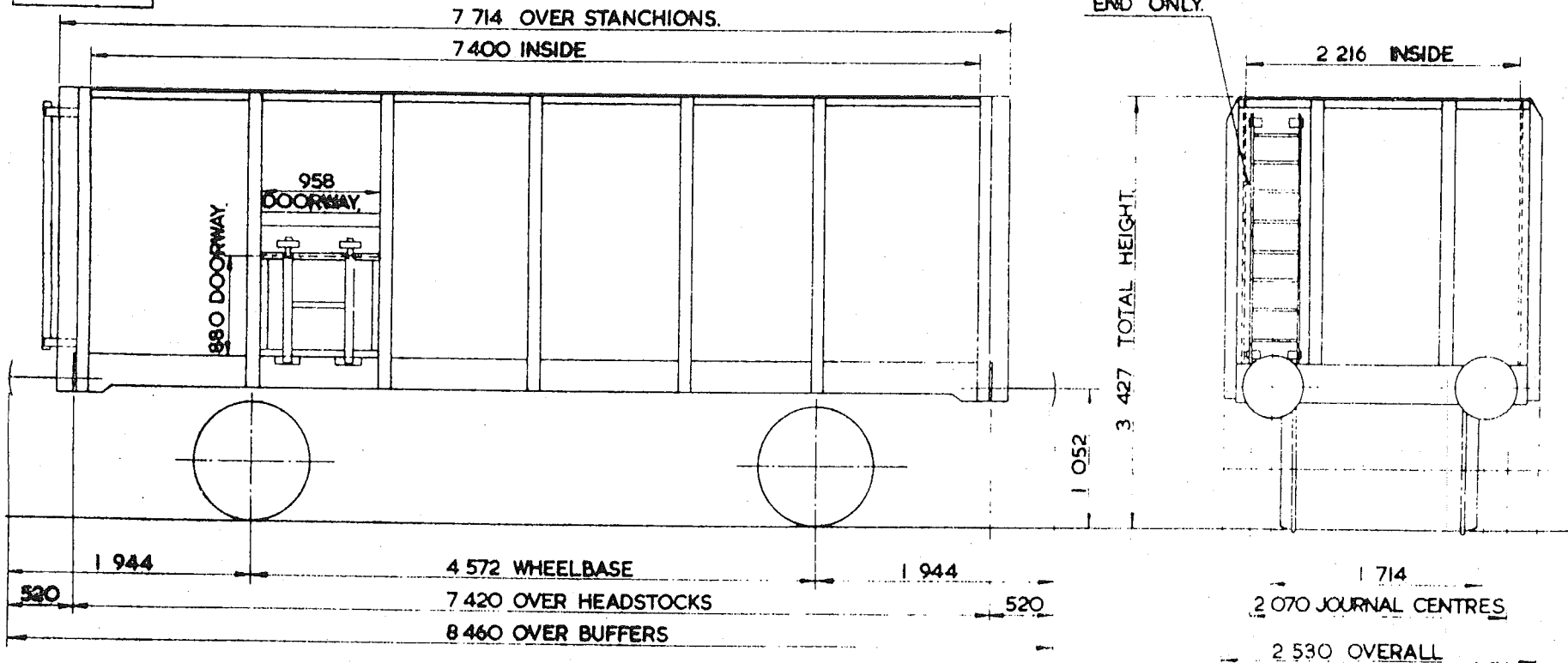
# IRON & STEEL SCRAP WAGON (46 tonnes G.L.W.)

MFOUTA

LOT NUMBER
3903

EXCESS LENGTH	4	H	M	L	E
tonnes	42	34	22	14	
VB					
AB	24	19	12	8	
RA	8	5	2	1	
MAX SPEED	60	60	60	60	

TOPS CODE		
CARKND	AARKND	OPERATING PANEL No.
M F A M F A	\$ 3 0 1 0	0



TARE -	13650 kg
CARRYING CAPACITY -	32500 kg
CAPACITY -	36,100 m <sup>3</sup>
MAX SPEED -	60 mile/h
WHEELS -	952 DIA.
JOURNALS -	150 DIA. ROLLER BEARINGS

BUFFERS -	SELF CONTAINED 457 DIA HEADS
COUPLINGS -	INSTANTER
MIN. CURVE -	31 m.
GEN. ARRGT. DRG. No -	F-AO-13923
BRAKE -	AIR DISC & HAND LEVER
SUSPENSION -	B.R. LONG LINK

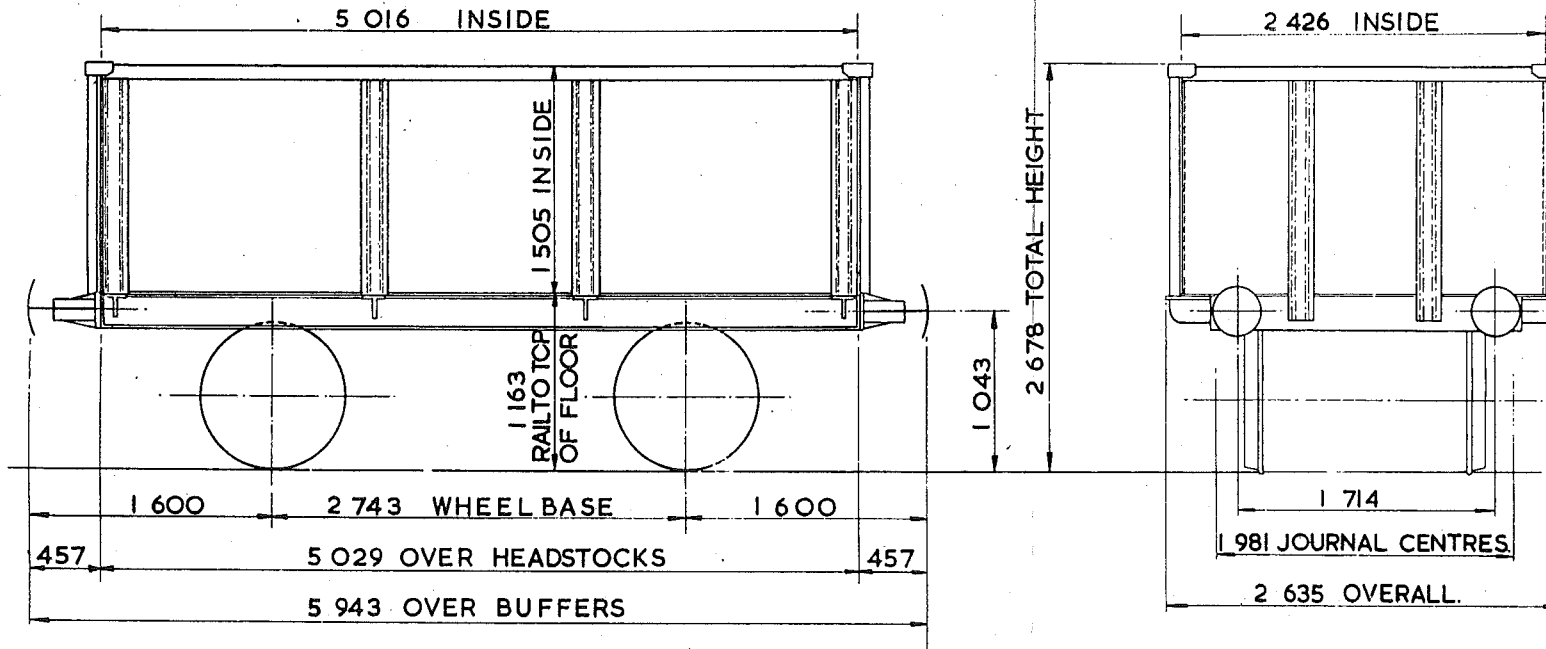
# IRONSTONE TIPPLER WAGON

M\$OOIA

LOT NUMBER
PART 2274
PART 2275

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	8
VB				
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOP3 CODE										
CARKND		AARKND		OPERATING PANEL No.						
M	\$	Ø	M	\$	Ø	T			1	9



TARE - 7750 kg.
CARRYING CAPACITY - 27 500 kg.
CAPACITY - 18.510 m <sup>3</sup> .
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 254x127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/DE 34404
BRAKE - HAND LEVER.
SUSPENSION - SHOE

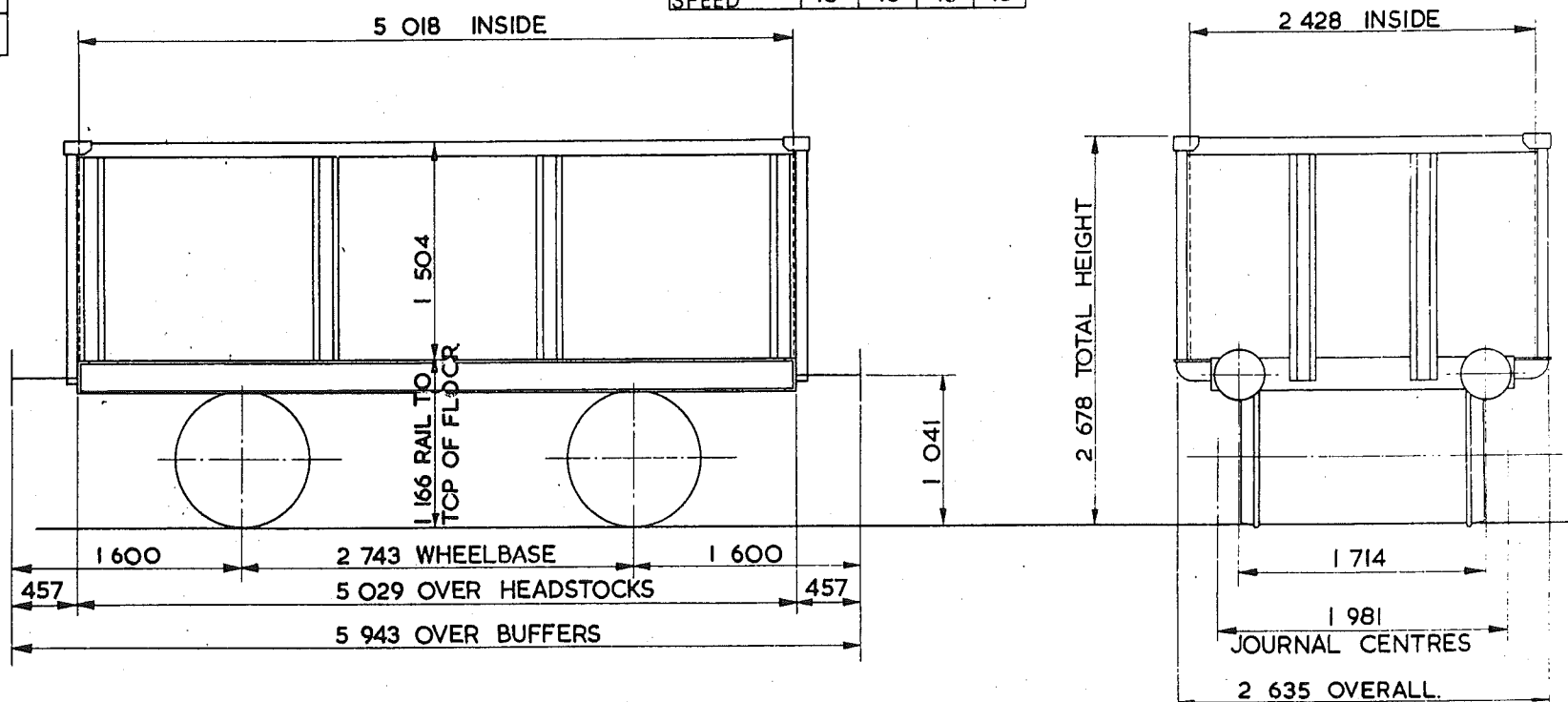
# IRONSTONE TIPLER WAGON

M\$00IB

LOT NUMBER
PART 23IO
PART 26OI

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	8
VB				
AB				
RA	4	2	1	1
MAX SPEED	45	45	45	45

TOPS CODE										
CARKND	AARKND				OPERATING PANEL NO.					
M	S	Ø	M	S	Ø	T			1	9



TARE - 7800 kg
CARRYING CAPACITY - 27 500 kg
CAPACITY - 18.347 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT DRG. No - DE/34404
BRAKE - HAND LEVER.
SUSPENSION - SHOE

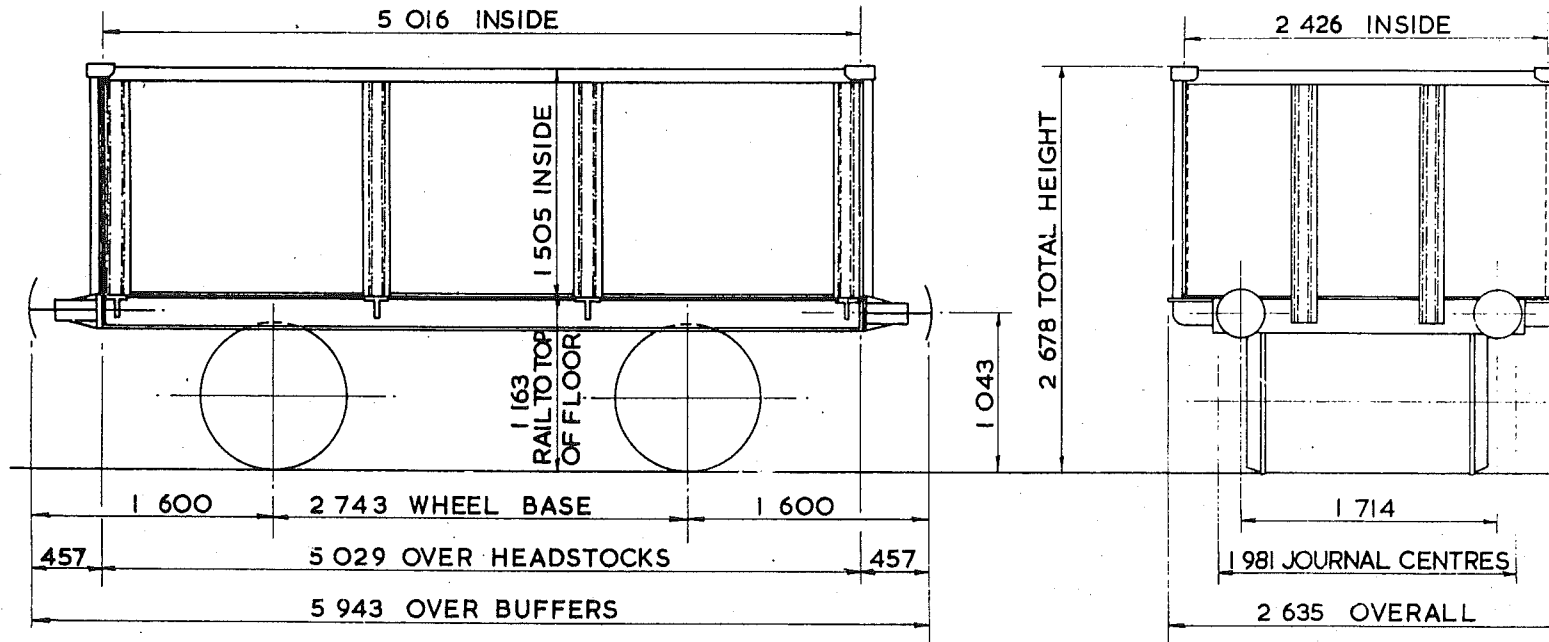
# IRONSTONE TIPPLER WAGON

M\$00IC

LOT NUMBER
PART 2274
PART 2275

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	8
VB				
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND		AARKND		OPERATING PANEL N.						
M	\$	Ø	M	\$	Ø	T			1	9



TARE - 7 750 kg
CARRYING CAPACITY - 27 500 kg
CAPACITY - 18.510 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - SW/DE 34404
BRAKE - HAND LEVER
SUSPENSION - SHOE



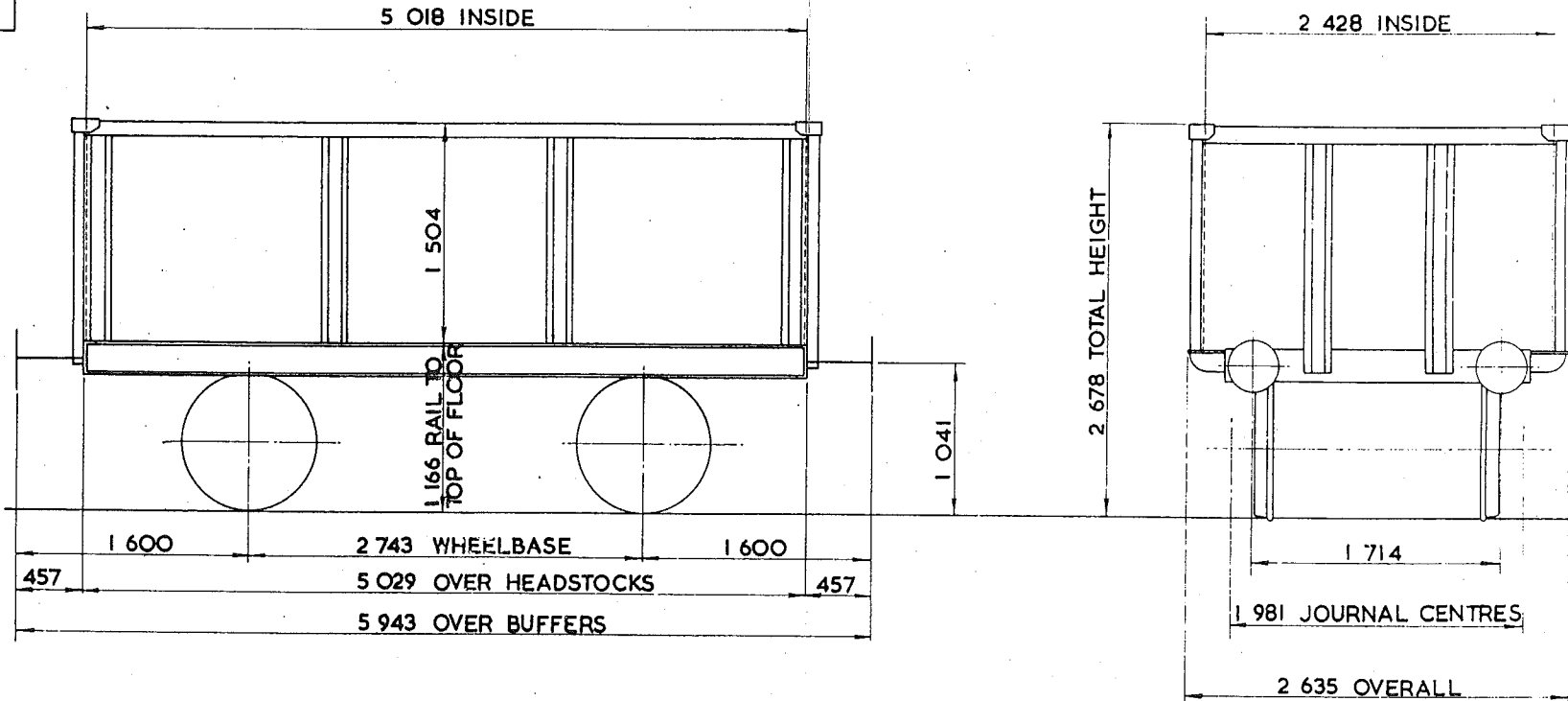
# IRONSTONE TIPPLER WAGON

M\$ OOID

LOT NUMBER
PART 23IO
PART 26OI

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	8
VB				
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND		AARKND		OPERATING PLANE No.						
M	\$	Ø	M	\$	Ø	T			1	9



TARE - 7 800 kg
CARRYING CAPACITY - 27 500 kg
CAPACITY - 18.347 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA. ROLLER BEARINGS

BUFFERS - SPINDLE 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. DE/34404
BRAKE - HAND LEVER
SUSPENSION - SHOE

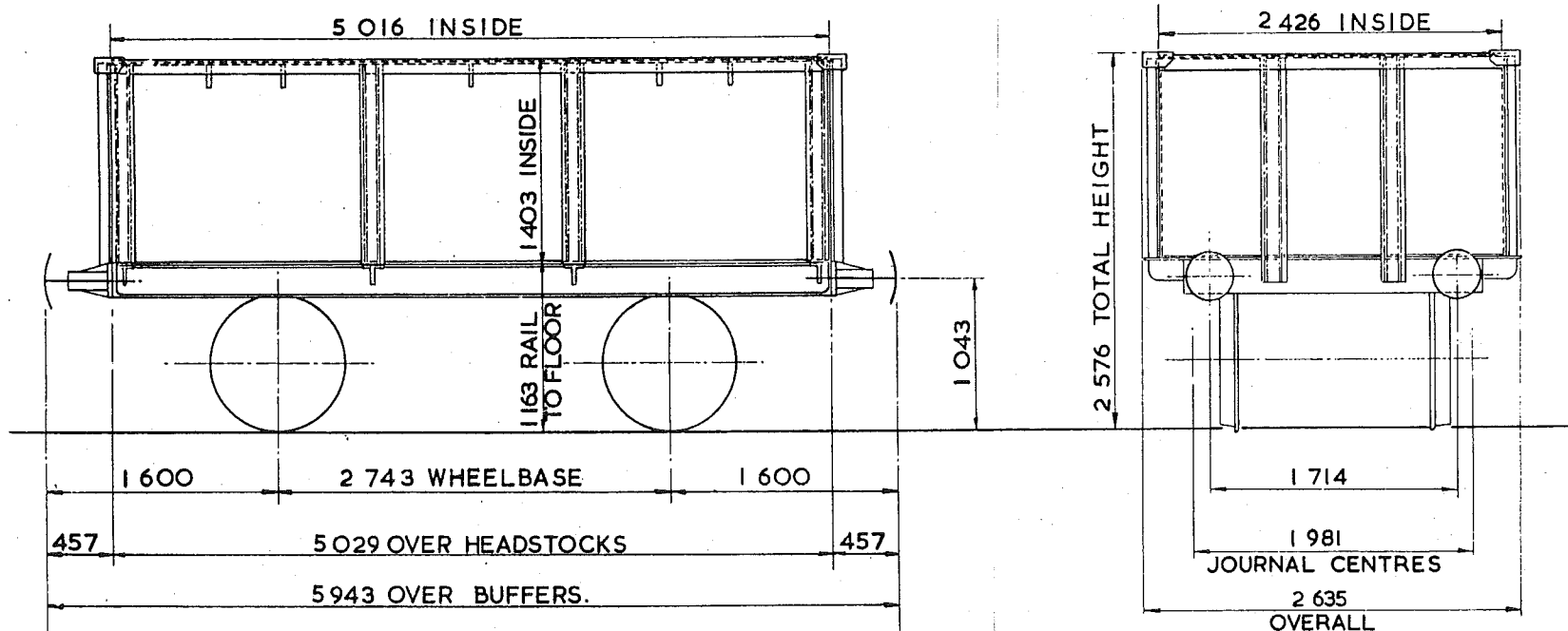
# IRONSTONE TIPPLER WAGON

M\$002A

LOT NUMBER
PART 2498
PART 2730
PART 2844
PART 2988
PART 3324

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	8
VB				
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE		
CARKND	AARKND	OPERATING WHEEL
M \$ Ø	M \$ Ø	T 1 9



TARE -- 7500 kg
CARRYING CAPACITY -- 27 <sup>500</sup> kg
CAPACITY -- 17.255 m <sup>3</sup>
MAX. SPEED -- 45 mile/h.
WHEELS -- 952 DIA.
JOURNALS -- 254 x 127 PLAIN BEARINGS

BUFFERS -- SPINDLE 330 DIA. HEADS
COUPLINGS INSTANTER
MIN. CURVE -- 21m.
GEN. ARRGT. DRG. No. -- DE 34579 DN 19708
BRAKE -- HAND LEVER
SUSPENSION -- SHOE

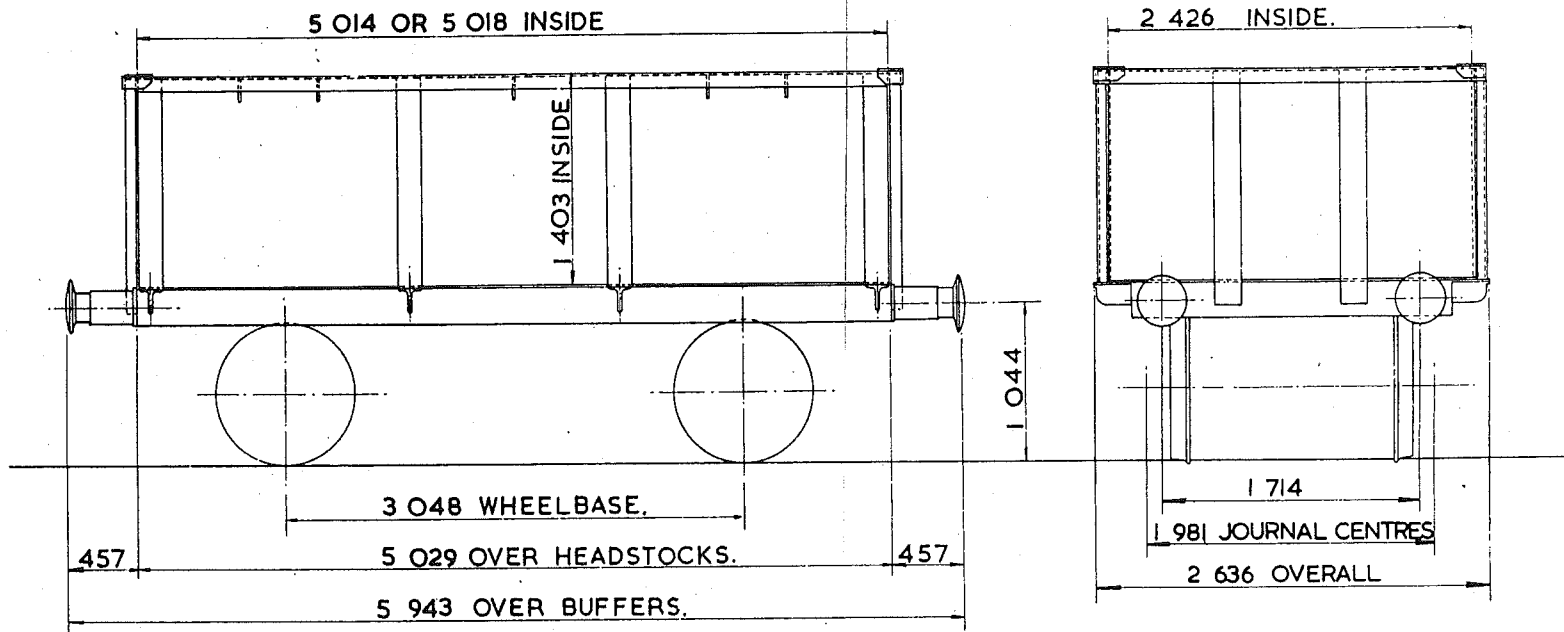
# IRONSTONE TIPPLER WAGON

M\$002B

LOT NUMBER
PART 3091

EXCESS LENGTH	H	M	L	E
tonnes	36	26	16	9
V-B				
AB				
RA	5	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE					
CARKND	AARKND	OPERATING PANEL No.			
M \$ Ø	M \$ Ø	T			15



TARE - 8 <sup>500</sup> kg.
CARRYING CAPACITY - 26 <sup>500</sup> kg.
CAPACITY - 17.075 m <sup>3</sup>
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228 x 127 PLAIN BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 21m.
GEN. ARRGT. DRG No. - DE 34579 - BODY DE 35397 - UNDERFRAME
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

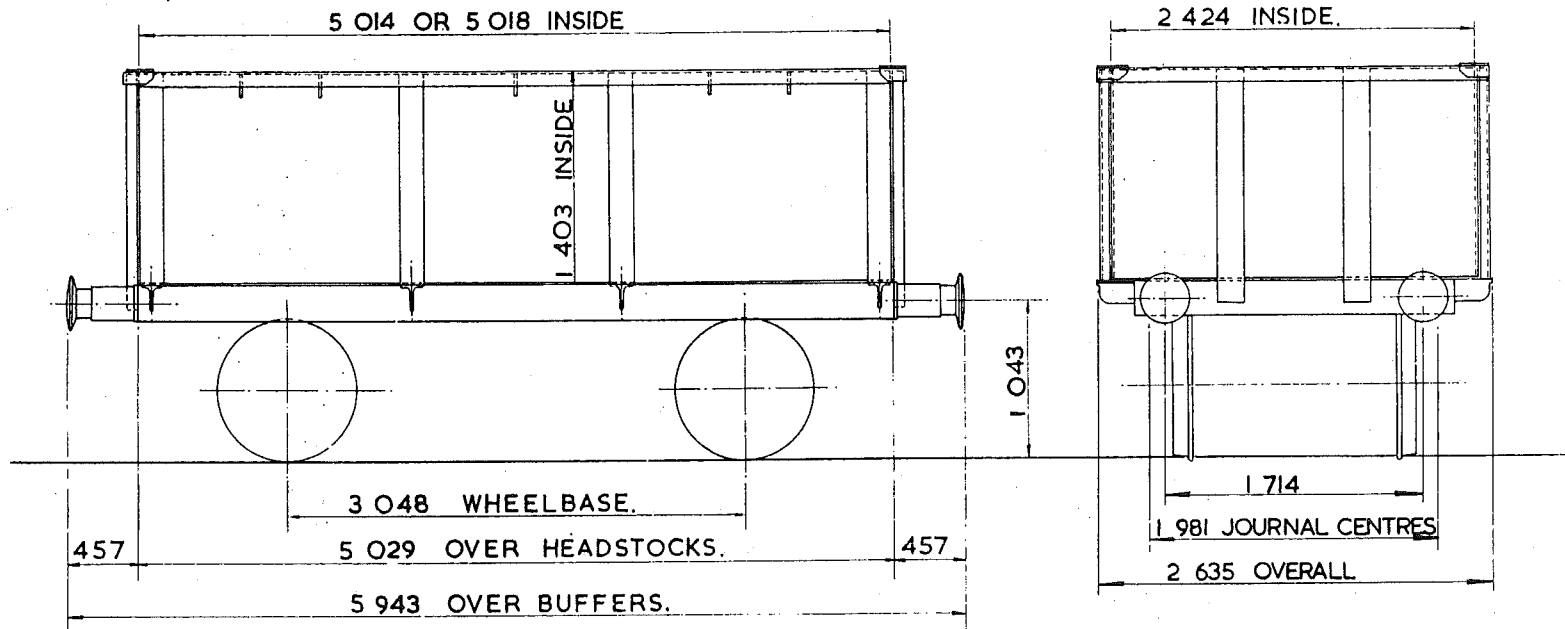
# IRONSTONE TIPPLER WAGON

M\$002C

LOT NUMBER
PART 3091

EXCESS LENGTH	H	M	L	E
tonnes	36	26	16	9
VB				
AB				
RA	5	2	1	1
MAX SPEED	45	45	45	45

TOPS CODE				
CARKND	AARKND	OPERATING PANEL No.		
M \$ Ø	M \$ Ø	T		15



TARE - 8 <sup>500</sup> kg.
CARRYING CAPACITY - 27 <sup>500</sup> kg.
CAPACITY - 17.072 m <sup>3</sup>
MAX. SPEED - 45 mile/h.
WHEELS - 952 DIA.
JOURNALS - 228 x 127 PLAIN BEARINGS.

BUFFERS - SELF CONTAINED 330 DIA. HEADS
COUPLINGS - INSTANTER.
MIN. CURVE - 21m.
GEN. ARRG. DRG No. - DE 34579 - BODY DE 35397 - UNDERFRAME
BRAKE - HAND LEVER.
SUSPENSION - SHOE.

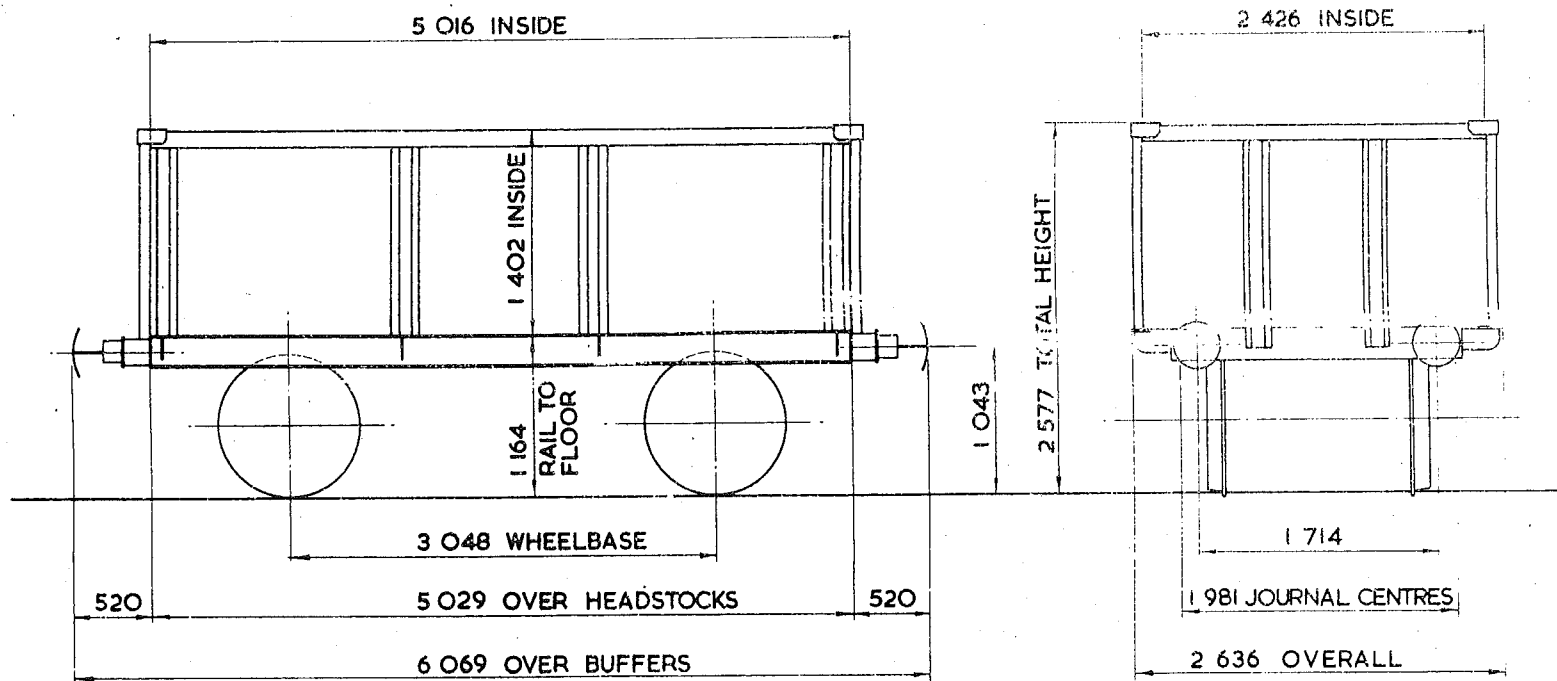
# IRONSTONE TIPPLER WAGON

M\$002D

LOT NUMBER
3363

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	9
VB	15	15	5	5
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE									
CARKND		AARKND		OPERATING PANEL					
M	\$	V	M	\$	V	T	I	O	3



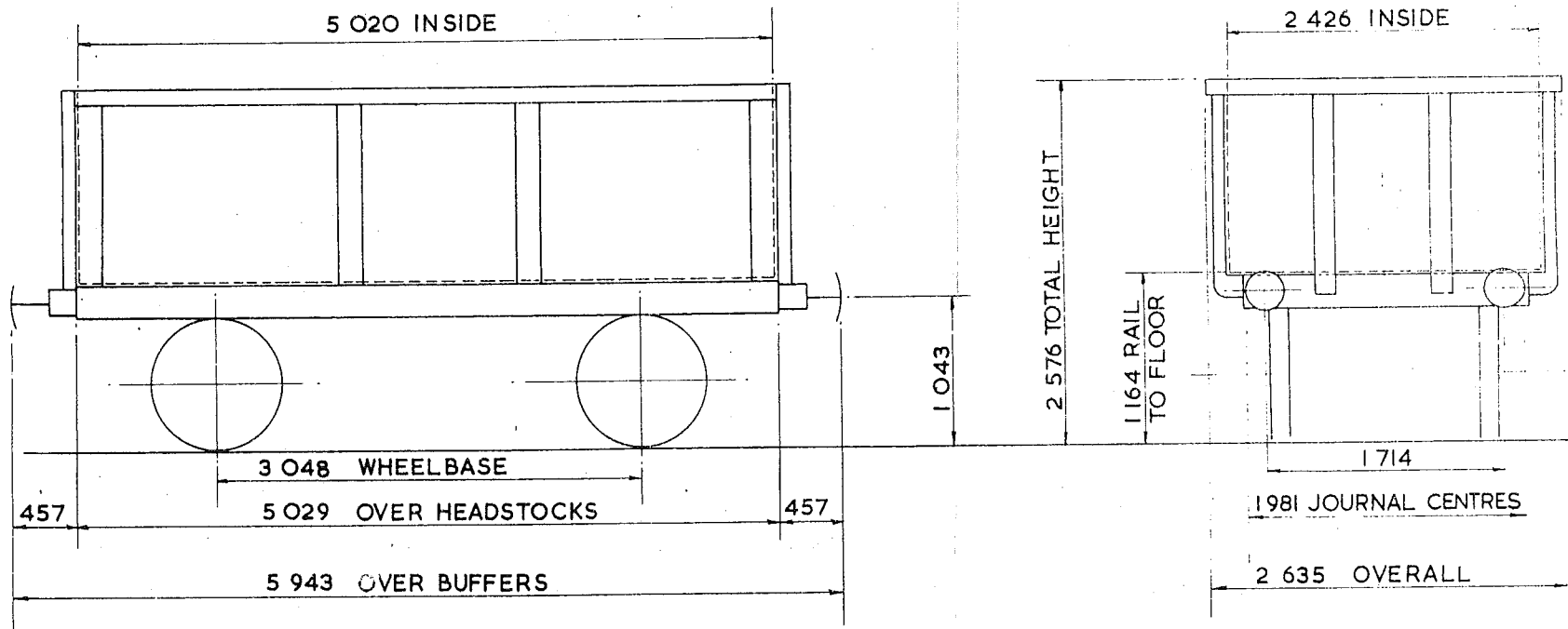
TARE --	8 700kg
CARRYING CAPACITY	26 500kg
CAPACITY	17.255 m <sup>3</sup>
MAX. SPEED --	45 mile/h
WHEELS --	952 DIA.
JOURNALS --	124 DIA. ROLLER BEARINGS

BUFFERS --	HYDRAULIC 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21m
GEN. ARRGT. DRG. No. --	DE/35944 DE/34579
BRAKE --	VACUUM BLOCK & HAND LEVER
SUSPENSION --	SHOE

LOT NUMBER
<b>PART 3091</b>

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	9
VB	15	15	5	5
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND		AARKND			OPERATING PANEL No.					
M	\$	V	M	\$	V	T		I	O	3



TARE - 9000kg
CARRYING CAPACITY - 26 500kg
CAPACITY 17.196 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 124 DIA ROLLER BEARINGS

BUFFERS - HYDRAULIC 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT. DRG. No. - DE/34579 - DE/35397
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE

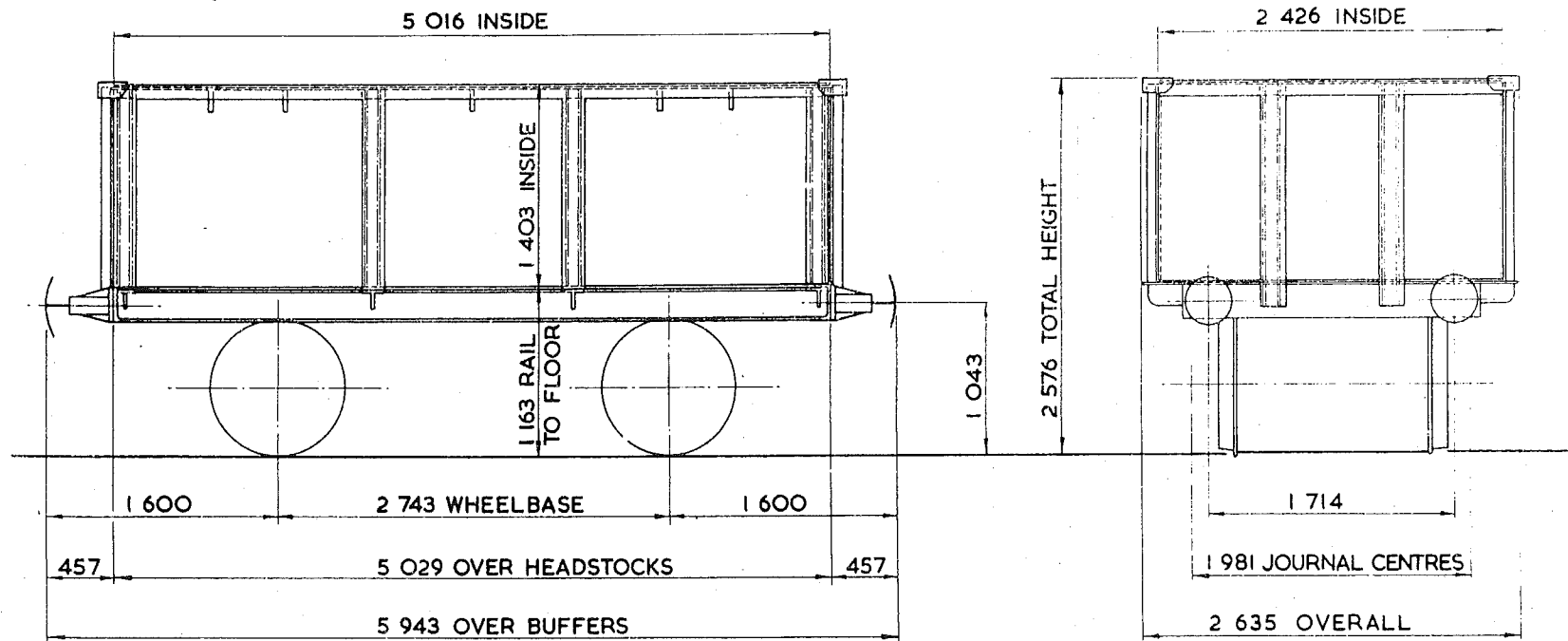
# IRONSTONE TIPPLER WAGON

M\$002G

LOT NUMBER
PART 2498
PART 2730
PART 2844
PART 2988
PART 3324
3075

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	8
VB				
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND		AARKND		OPERATING PANEL No.						
M	\$	Ø	M	\$	Ø	T			1	9



TARE --	7 500kg
CARRYING CAPACITY	27 500kg
CAPACITY	17.255 m <sup>3</sup>
MAX. SPEED --	45 mile/h
WHEELS --	952 DIA.
JOURNALS --	124 DIA. ROLLER BEARINGS

BUFFERS --	SPINDLE 330 DIA. HEADS
COUPLINGS --	INSTANTER
MIN. CURVE --	21m
GEN. ARRGT. DRG. No. --	DE 34579 DN 19708
BRAKE --	HAND LEVER
SUSPENSION --	SHOE

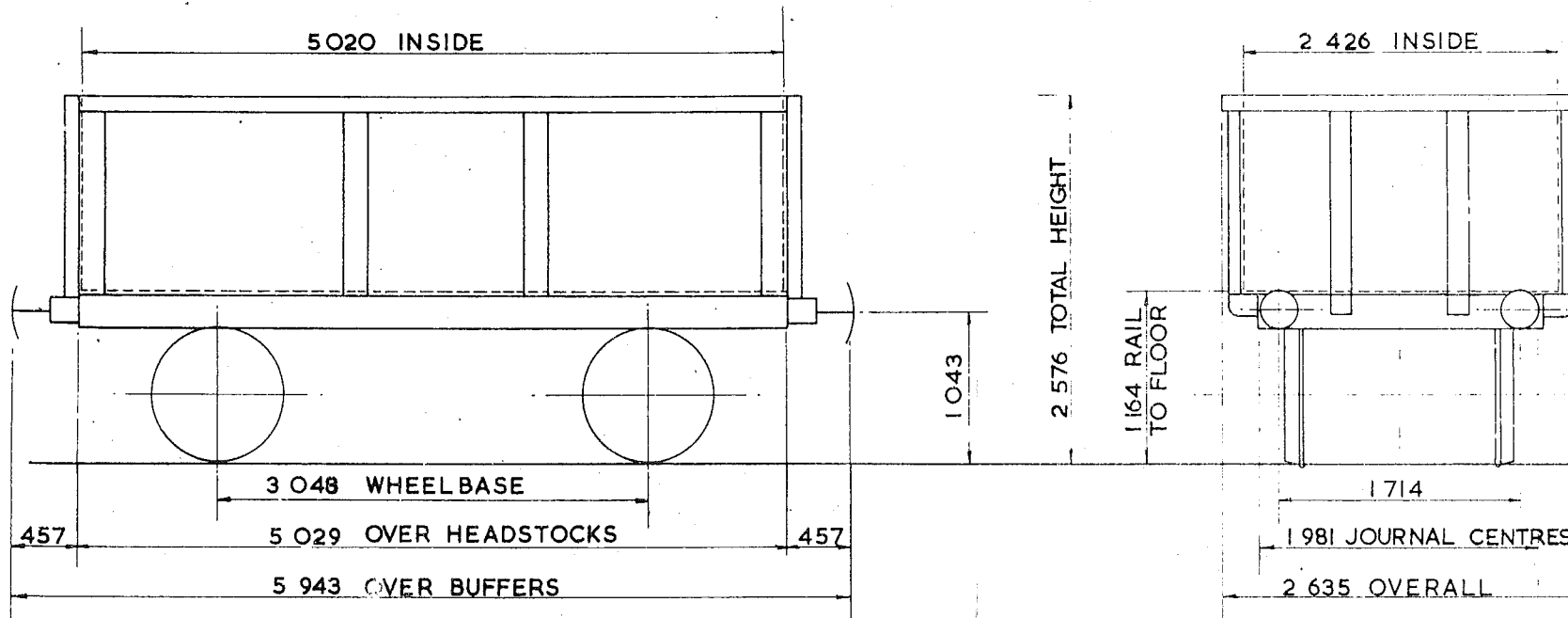
# IRONSTONE TIPPLER WAGON

M\$ 002J

LOT NUMBER
<b>PART 3091</b>

EXCESS LENGTH	H	M	L	E
tonnes	35	25	15	9
VB	15	15	5	5
AB				
RA	4	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE										
CARKND		AARKND		OPERATING PANEL						
M	\$	V	M	\$	V	T				



TARE - 9000kg
CARRYING CAPACITY - 26500kg
CAPACITY - 17.195 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA.
JOURNALS - 228 x 108 PLAIN BEARINGS

BUFFERS - HYDRAULIC 330 DIA. HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21m
GEN. ARRGT. DRG. No. - DE 34579 DE 35397
BRAKE - VACUUM BLOCK & HAND LEVER
SUSPENSION - SHOE



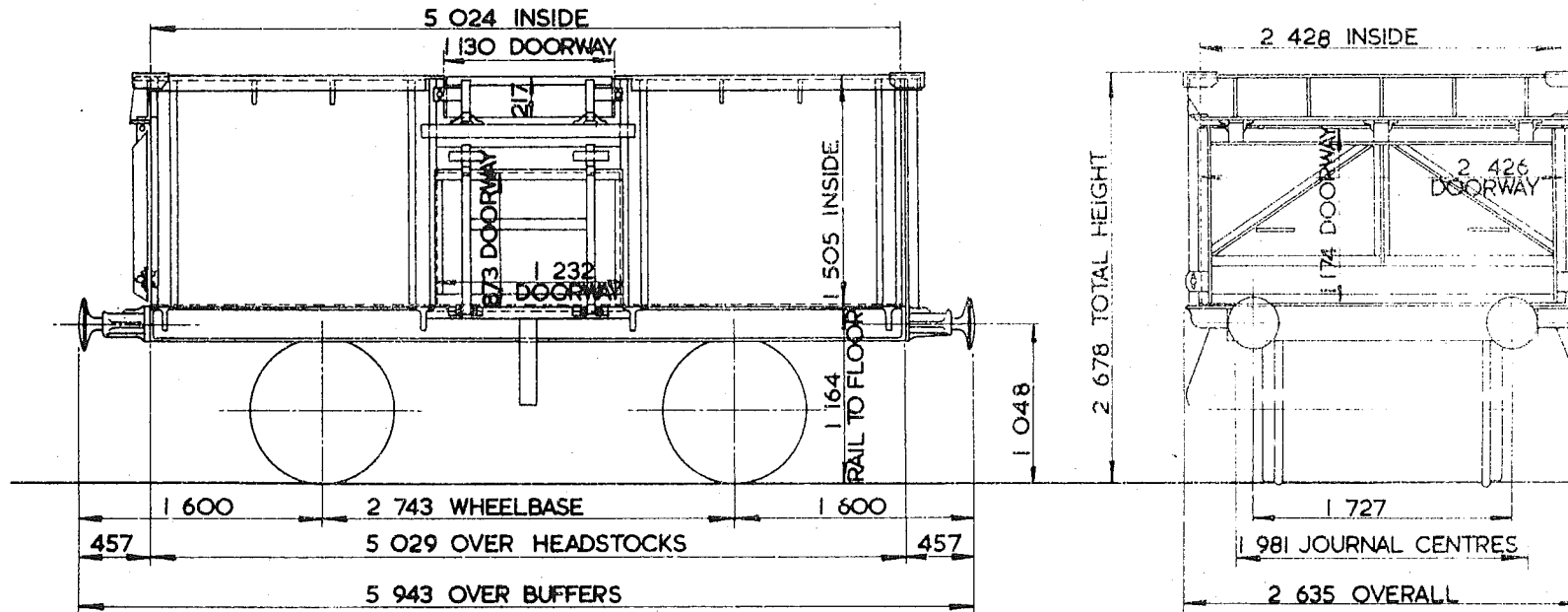
# IRONSTONE TIPPLER WAGON

M\$003A

LOT NUMBER
PART 1609

EXCESS LENGTH	H	M	L	E
tonnes	36	26	16	9
VB				
AB				
RA	5	2	1	1
MAX. SPEED	45	45	45	45

TOPS CODE	
CARKND	AARKND
M \$ Ø M \$ Ø T	E W P



TARE - 8400 kg
CARRYING CAPACITY - 27 <sup>500</sup> kg
CAPACITY - 18.366 m <sup>3</sup>
MAX. SPEED - 45 mile/h
WHEELS - 952 DIA
JOURNALS - 254 x 127 PLAIN BEARINGS

BUFFERS - SPINDLE 330 DIA HEADS
COUPLINGS - INSTANTER
MIN. CURVE - 21 m
GEN. ARRGT DRG. No - DI3/3961
BRAKE - HAND LEVER
SUSPENSION - SHOE

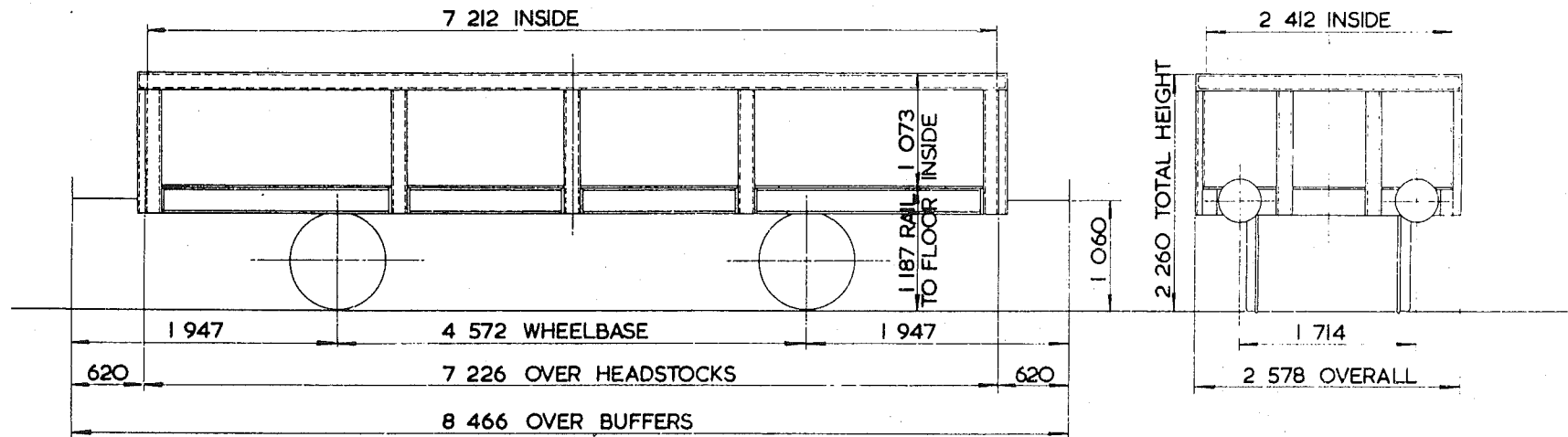
# IRONSTONE TIPPER WAGON

MT001A

LOT NUMBER
3859

EXCESS LENGTH	4	H	M	L	E
tonnes	33	27	18	12	
VB	14	14	7	7	
AB					
RA	5	2	1	1	
MAX. SPEED	45	45	45	45	

TOPS CODE							
CARKND	ΛARKND			OPERATING PANEL No.			
M	T	V	M	T	V	\$	2 9 8



TARE -	11 700 kg
CARRYING CAPACITY -	24 000 kg
CAPACITY -	18.667 m <sup>3</sup>
MAX. SPEED -	45 mile/h
WHEELS -	952 DIA.
JOURNALS -	124 DIA. ROLLER BEARINGS

BUFFERS -	HYDRAULIC 406 DIA. HEADS
COUPLINGS -	INTERNATIONAL SCREW
MIN. CURVE -	31 m
GEN. ARRGT. DRG. No. -	
BRAKE -	VACUUM BLOCK & HAND LEVER
SUSPENSION -	SHOE

## BRITISH RAILWAYS

## DIAGRAMS OF FREIGHT STOCK (B)

## PART 2

## REVISION LETTER NO 1

LOCATION	ACTION	REASON FOR CHANGE
Covers	Replace with new front and back covers	✓
At front of book	Insert new Revision Record page, and Preface page	Publication now renumbered Diagram Book No 320 Part 2 ✓

After incorporating the above, endorse the "Revision Record" at the front of the manual accordingly.

When this Revision letter has been actioned, it is to be stored at the back of the publication. (capacity permitting) for easy future reference.

DATE: February 1982

REF SSS 172-125-2

TEL: 056-3582

Issued by:

D of M & EE BRB  
Railway Technical Centre  
Derby