



Lightweight

MOTOR ROLLERS

WALLIS & STEEVENS LTD.

BASINGSTOKE, ENGLAND

Telephone No. : BASINGSTOKE 152

Telegrams : WALLIS, BASINGSTOKE

Codes : BENTLEY'S (Complete Phrase & Second)

A.B.C. 5TH EDITION

Selling Agents :

McCREATH, TAYLOR & Co. Ltd.

Manufacturers and Suppliers of all Road Materials and Road Plant

Fairfield Street :: BOLTON, Lancs.

Telephone Bolton 4994/5

“ADVANCE” LIGHTWEIGHT PETROL & DIESEL ROLLERS

FEATURES

CAREFULLY PROPORTIONED WEIGHT DISTRIBUTION

STRENGTH AND SIMPLICITY	CLEAR SIDE ROLLING
POWERFUL ENGINE	HAND STARTING AT SIDE
FOUR SPEEDS (IN BOTH DIRECTIONS)	SMOOTH REVERSE (IN ALL SPEEDS)
RIGID REAR AXLE	GEAR DRIVE TO EACH REAR ROLL
TWO ROLLING WIDTHS	RENEWABLE DRIVING RIMS

OPTIONAL ADDITIONAL FITTINGS

ELECTRIC STARTING	12 Volt Electric Starting in addition to Hand Starting.
AWNING	Strong steel construction with drop side curtains.
WATER SPRAYERS	Useful for damping roll surfaces. A tank of approximately 27 gallons (123 litres) is provided with spray pipes to all rolls.
SCARIFIER	Two Tine. All steel construction, worm and cam operated by driver from seat.
WIDE REAR ROLL RIMS	Available with the two lighter models for grass rolling in parks, sports grounds, etc., etc., and for the primary consolidation of hot bitumastic surfaces.

WALLIS & STEEVENS LTD.
BASINGSTOKE ENGLAND

“ADVANCE” LIGHTWEIGHT PETROL ROLLERS

SPECIFICATION

MODELS	PG/C	PG/D	PG/E
WEIGHT (in working order)	2 tons 2030 Kgs.	2½ tons 2540 Kgs.	3 tons 3050 Kgs.
DIMENSIONS	Length 9' 9" 2972 m/m. Width As Rolling Width Wheel Base ... 6' 0" 1829 m/m. Turning Circle ... 9' 0" 2743 m/m.		
HIND ROLLS	3' 0" dia. × 13½" 915 × 333 m/m.	3' 0" dia. × 15" 915 × 381 m/m.	3' 0" dia. × 15" 915 × 381 m/m.
ROLLING WIDTHS	Renewable and Reversible Rims give alternative rolling widths of 3' 3½" and 3' 10" 1004 and 1169 m/m.	3' 6½" and 4' 2½" 1080 and 1284 m/m.	3' 6½" and 4' 2½" 1080 and 1284 m/m.
FRONT ROLLS AND FORECARRIAGE	Two Sections ... Total Width 2' 0" 610 m/m. Diameter 2' 9" 839 m/m. Underslung with overhead steering operated by machine cut worm and segment.		
POWER UNIT	“MORRIS” INDUSTRIAL 4-cylinder, Side Valve Petrol Engine. Developing 13½ b.h.p. at normal speed of 1300 r.p.m. Vertical Magneto with Impulse Starter. Self starting type Vertical Carburettor. HAND STARTING AT SIDE. Electric Starting is available as an optional extra. Engine Clutch—Borg & Beck, Single Plate, 8" diameter.		
COOLING	Ample Capacity Tubular Radiator with 15" diameter Fan. Pump Circulation.		
FUEL TANK	Capacity 8¼ gallons 37.5 litres.		
TRANSMISSION	Machine Cut Steel Gearing throughout.		
GEAR BOX	FOUR SPEEDS : 1, 1⅔, 2⅔ and 5 M.P.H. 1.6, 2.3, 4.6 and 8 Kms. per hour. Totally Enclosed, Running in Oil, All Shafts on Ball Bearings.		
REDUCTION CASE	Spur and Bevel Gears are employed throughout, incorporating Differential Gear with an automatic locking device. All are enclosed and run in oil.		
REVERSE	Smooth Reverse in all speeds by special multi-tooth Twin Clutches.		
FINAL DRIVE	Positive drive by Spur Gearing to each rear roll. Rolls revolve on non-rotating Rigid Axle.		
BRAKE	Powerful Band Brakes with large diameter Drums direct on each driving roll. Dual control by foot pedal and hand screw.		

NOTE—SPECIAL WIDE RIM MODELS are available for use on Parks, Sports Grounds, etc., etc., and MODELS PG/C AND PG/D can be supplied with interchangeable wide rims for these purposes.

WALLIS & STEEVENS LTD.
BASINGSTOKE ENGLAND

“ADVANCE” LIGHTWEIGHT PETROL ROLLERS

SHIPPING PARTICULARS

For LONG SEA VOYAGE. Rollers are despatched PACKED in one case very slightly dismantled with rolls, etc., in position, so that little re-assembly is involved on arrival. When Awning is supplied there are two cases, as this is packed separately.

APPROXIMATE DETAILS

	PG/C	PG/D	PG/E
CASE ROLLER GROSS WEIGHT	2 tons 11 cwt. 2590 Kgs.	3 tons 3048 Kgs	3 tons 9 cwt. 3505 Kgs.
	ADDITIONAL ON ALL MODELS When Water Sprayers fitted ... 1½ cwt. When Scarifier fitted ... 2 cwt.		76 Kgs. 102 Kgs.
MEASUREMENTS	10' 0" × 3' 6" × 5' 2" 3048 × 1067 × 1575 m/m.	10' 0" × 3' 9" × 5' 2" 3048 × 1143 × 1575 m/m.	10' 0" × 3' 9" × 5' 2" 3048 × 1143 × 1575 m/m.
CASE AWNING GROSS WEIGHT	(When fitted) 1¾ cwt.	ON ALL MODELS 90 Kgs.	
MEASUREMENTS	5' 6" × 3' 8" × 1' 0"		1677 × 1118 × 305 m/m.

For SHORTER SEA VOYAGE. Rollers are despatched PROTECTED not Packed, with Awning (when fitted) lowered.

APPROXIMATE DETAILS

	PG/C	PG/D	PG/E
ROLLER GROSS WEIGHT	2 tons 2 cwt. 2134 Kgs.	2 tons 12 cwt. 2642 Kgs.	3 tons 6 cwt. 3100 Kgs.
	ADDITIONAL ON ALL MODELS When Awning fitted ... 1½ cwt. When Water Sprayers fitted ... 1½ cwt. When Scarifier fitted ... 2 cwt.		76 Kgs. 76 Kgs. 102 Kgs.
MEASUREMENTS (WITHOUT AWNING)	9' 9" × 3' 3½" × 4' 11" 2972 × 1004 × 1499 m/m.	9' 9" × 3' 6½" × 4' 11" 2972 × 1080 × 1499 m/m.	9' 9" × 3' 6½" × 4' 11" 2972 × 1080 × 1499 m/m.
(WITH AWNING)	9' 9" × 3' 6" × 5' 0" 2972 × 1067 × 1524 m/m.	9' 9" × 3' 6½" × 5' 0" 2972 × 1080 × 1524 m/m.	9' 9" × 3' 6½" × 5' 0" 2972 × 1080 × 1524 m/m.

“ ADVANCE ” LIGHTWEIGHT DIESEL ROLLERS

SPECIFICATION

MODELS	OG/C	OG/D	OG/E
WEIGHT (in working order)	2 tons 2030 Kgs.	2½ tons 2540 Kgs.	3 tons 3050 Kgs.
DIMENSIONS	Length ... 9' 9" 2972 m/m. Width ... As Rolling Width Wheel Base ... 6' 0" 1829 m/m. Turning Circle ... 9' 0" 2743 m/m.		
HIND ROLLS	3' 0" dia. × 13½" 915 × 333 m/m.	3' 0" dia. × 15" 915 × 381 m/m.	3' 0" dia. × 15" 915 × 381 m/m.
ROLLING WIDTHS	Renewable and Reversible Rims give alternative rolling widths of 3' 3½" and 3' 10" 1004 and 1169 m/m. 3' 6½" and 4' 2½" 1080 and 1284 m/m. 3' 6½" and 4' 2½" 1080 and 1284 m/m.		
FRONT ROLLS AND FORECARRIAGE	Two Sections ... Total Width ... 2' 0" 610 m/m. Diameter ... 2' 9" 839 m/m. Underslung with overhead steerage operated by machine cut worm and segment		
POWER UNIT	“COVENTRY DIESEL” 2-cylinder Compression Ignition, with inbuilt Balancing for smooth running, 12½ b.h.p. at 1500 r.p.m. Side Starting easily effected by hand from cold. Electric Starting is available as an optional extra. Engine Clutch—Borg & Beck, Single Plate, 11" diameter.		
COOLING	Ample Capacity Tubular Radiator with 15" diameter Fan. Pump Circulation.		
FUEL TANK	Capacity ... 8½ gallons 37.5 litres		
TRANSMISSION	Machine Cut Steel Gearing throughout.		
GEAR BOX	FOUR SPEEDS : 1, 1½, 3½ and 5½ M.P.H. 1.6, 2.8, 6.0 and 8.8 Kms. per hour. Totally Enclosed, Running in Oil, All Shafts on Ball Bearings.		
REDUCTION CASE	Spur and Bevel Gears are employed throughout, incorporating Differential Gear with an automatic locking device. All are enclosed and run in oil.		
REVERSE	Smooth Reverse in all speeds by special multi-tooth Twin Clutches.		
FINAL DRIVE	Positive drive by Spur Gearing to each rear roll. Rolls revolve on non-rotating Rigid Axle.		
BRAKE	Powerful Band Brakes with large diameter Drums direct on each driving roll. Dual control by foot pedal and hand screw.		

NOTE.—SPECIAL WIDE RIM MODELS are available for use on Parks, Sports Grounds, etc., etc., and MODELS OG/C AND OG/D can be supplied with interchangeable wide rims for these purposes.

WALLIS & STEEVENS LTD.
BASINGSTOKE ENGLAND

“ADVANCE” LIGHTWEIGHT DIESEL ROLLERS

SHIPPING PARTICULARS

For LONG SEA VOYAGE. Rollers are despatched PACKED in one case very slightly dismantled with rolls, etc., in position, so that little re-assembly is involved on arrival. When Awning is supplied there are two cases, as this is packed separately.

APPROXIMATE DETAILS

	OG/C	OG/D	OG/E
CASE ROLLER GROSS WEIGHT	2 tons 14 cwt. 2743 Kgs.	3 tons 3 cwt. 3200 Kgs.	3 tons 12 cwt. 3657 Kgs.
	ADDITIONAL ON ALL MODELS When Water Sprayers fitted ... 1½ cwt. When Scarifier fitted ... 2 cwt.		76 Kgs. 102 Kgs.
MEASUREMENTS	10' 0"×3' 6"×5' 2" 3048×1067×1575 m/m.	10' 0"×3' 9"×5' 2" 3048×1143×1575 m/m.	10' 0"×3' 9"×5' 2" 3048×1143×1575 m/m.
CASE AWNING GROSS WEIGHT	(When fitted) 1½ cwt.	ON ALL MODELS 90 Kgs.	
MEASUREMENTS	5' 6"×3' 8"×1' 0"		1677×1118×305 m/m.

For SHORTER SEA VOYAGE. Rollers are despatched PROTECTED not Packed, with Awning (when fitted) lowered.

APPROXIMATE DETAILS

	OG/C	OG/D	OG/E
ROLLER GROSS WEIGHT	2 tons 5 cwt. 2286 Kgs.	2 tons 15 cwt. 2794 Kgs.	3 tons 6 cwt. 3353 Kgs.
	ADDITIONAL ON ALL MODELS When Awning fitted ... 1½ cwt. When Water Sprayers fitted ... 1½ cwt. When Scarifier fitted ... 2 cwt.		76 Kgs. 76 Kgs. 102 Kgs.
MEASUREMENTS (WITHOUT AWNING)	9' 9"×3' 3½"×4' 11" 2972×1004×1499 m/m.	9' 9"×3' 6½"×4' 11" 2972×1080×1499 m/m.	9' 9"×3' 6½"×4' 11" 2972×1080×1499 m/m.
(WITH AWNING)	9' 9"×3' 6"×5' 0" 2972×1067×1524 m/m.	9' 9"×3' 6½"×5' 0" 2972×1080×1524 m/m.	9' 9"×3' 6½"×5' 0" 2972×1080×1524 m/m.

CONDITIONS OF TENDER AND SALE

GENERAL. Orders are only accepted by us subject to approval of customers' credit and on the distinct understanding that the following conditions of Sale and Guarantee shall apply to any order given to and accepted by us unless otherwise modified by us in writing.

DESCRIPTIVE MATTER, ILLUSTRATIONS, ETC. Photographs, drawings, illustrations and descriptive matter submitted with this tender shall be understood to represent general design only, and shall be neither binding in detail nor form part of the contract. Although dimensions and weights quoted are reasonably accurate they must be regarded as approximate.

DELIVERY. Whilst we undertake and endeavour to execute every order by the time stated we do not accept responsibility for any direct or indirect losses which may arise if completion is retarded by faulty materials, strikes, lockouts, delayed delivery to us of materials or parts from other manufacturers or other unforeseen circumstances, as no provision against such contingencies is made in our price.

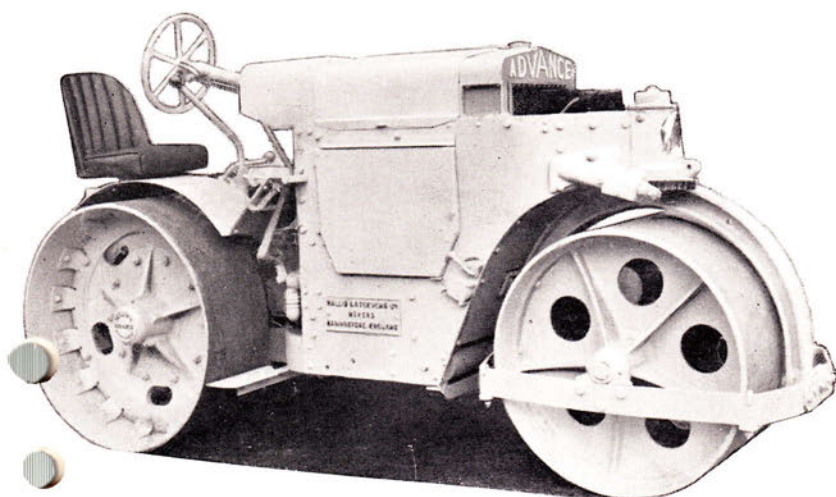
PAYMENT. Terms of payment stipulated in our tender must be strictly adhered to. Defects (if any) in goods supplied or other grievance shall not influence terms of payment but shall be the subject of separate negotiations.

GUARANTEE

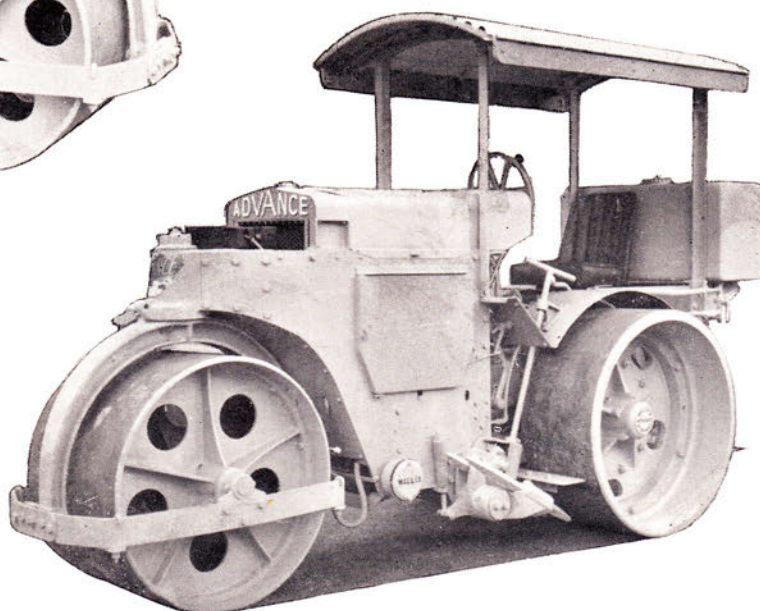
In lieu of any warranty implied by law we guarantee that materials used by ourselves in the manufacture of our machinery shall be of suitable quality of their respective kinds and should any defect occur within twelve months from date of despatch, and the part be immediately returned, carriage paid, to our works, if we consider such part is faulty we will, at our option, repair it or supply a new one and deliver it to any station British Mainland or F.O.B. British Port, free of charge.

Our guarantee does not cover wear and tear or damage due to improper adjustments, misuse, neglect or accident, neither does it apply to engines or components not of our manufacture for which we will pass on to the customer the benefits of any makers' guarantees covering such items.

Our liabilities are limited to those stated above and exclude any consequential damage, loss or responsibility.



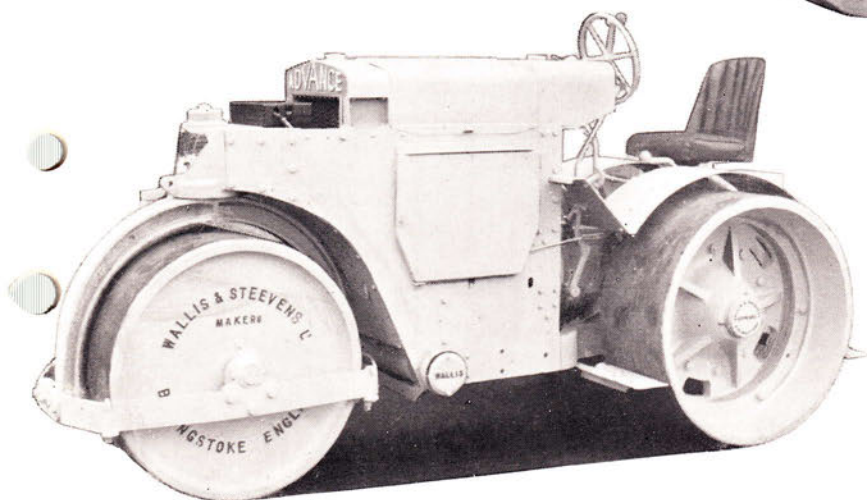
2 TONS



2½ TONS

SHOWN WITH
OPTIONAL ADDITIONAL FITTINGS

AWNING
WATER SPRAYERS
SCARIFIER
ELECTRIC STARTING
AVAILABLE FOR ALL MODELS



3 TONS

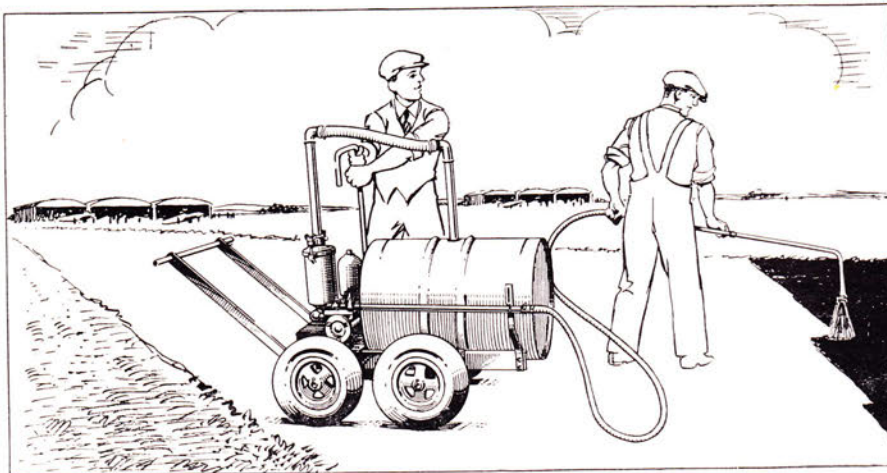
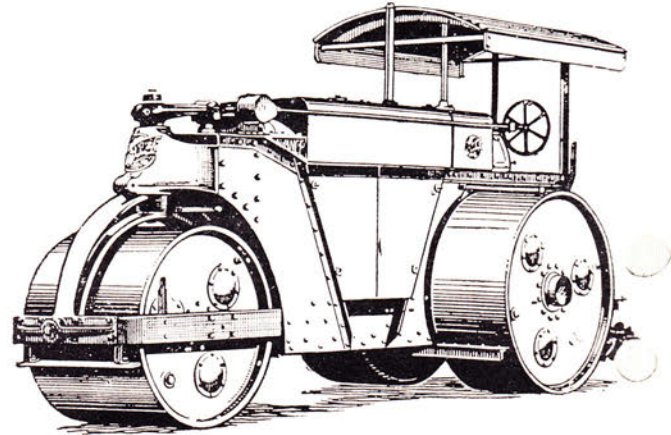
WALLIS & STEEVENS LTD.
BASINGSTOKE ENGLAND

OTHER "WALLIS" PLANT



DIESEL ROLLERS

6 TO 10 TONS



**SPRAYERS
FOR
COLD EMULSIONS**

SPRAYING DIRECT FROM DRUMS

WALLIS & STEEVENS LTD.

ENGINEERS

BASINGSTOKE,

ENGLAND



DIESEL ROAD ROLLERS

WALLIS & STEEVENS LTD.

BASINGSTOKE, ENGLAND.

Telephone No: BASINGSTOKE 151

Telegrams: WALLIS BASINGSTOKE

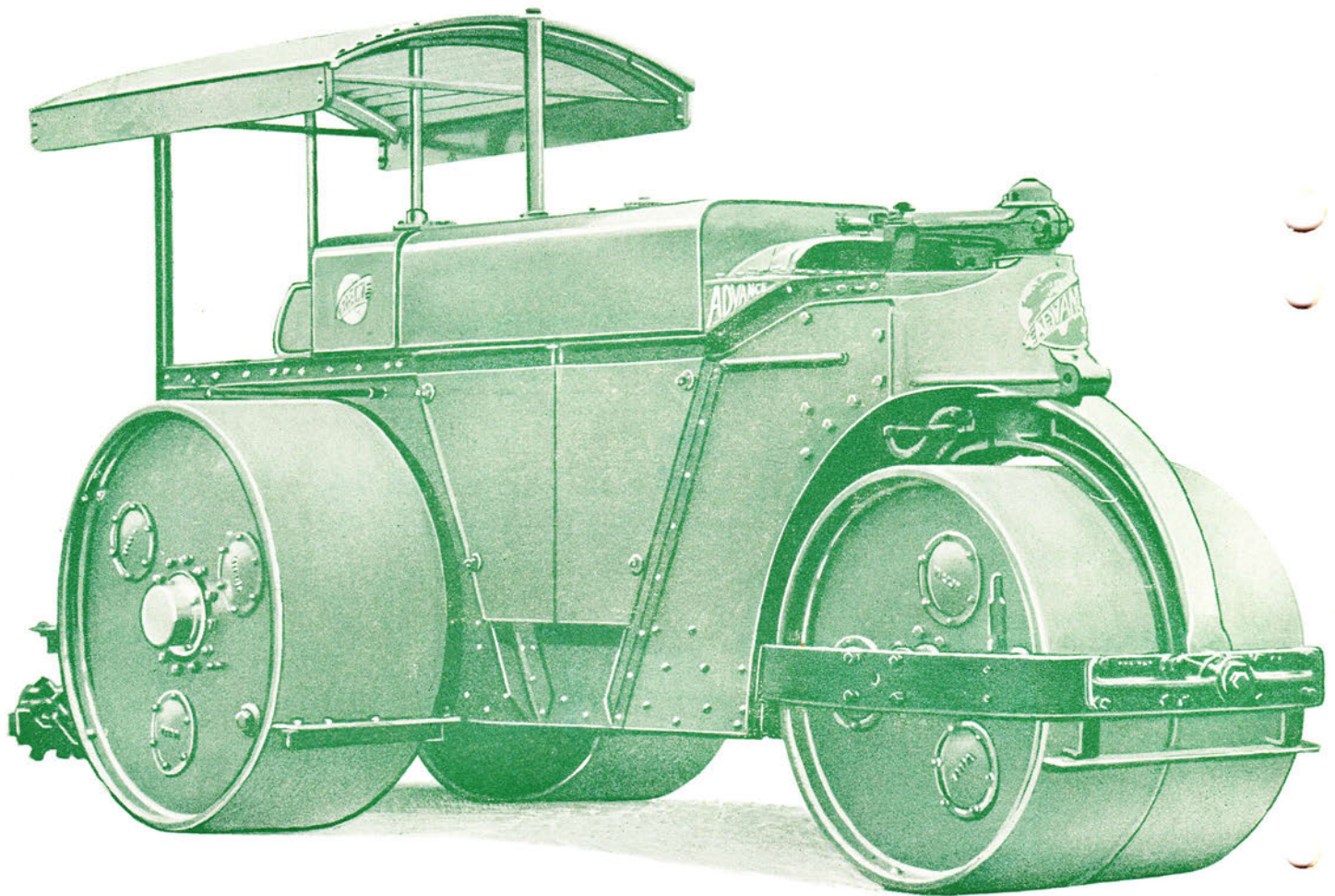
Selling Agents:

Telephone Bolton 4994/5

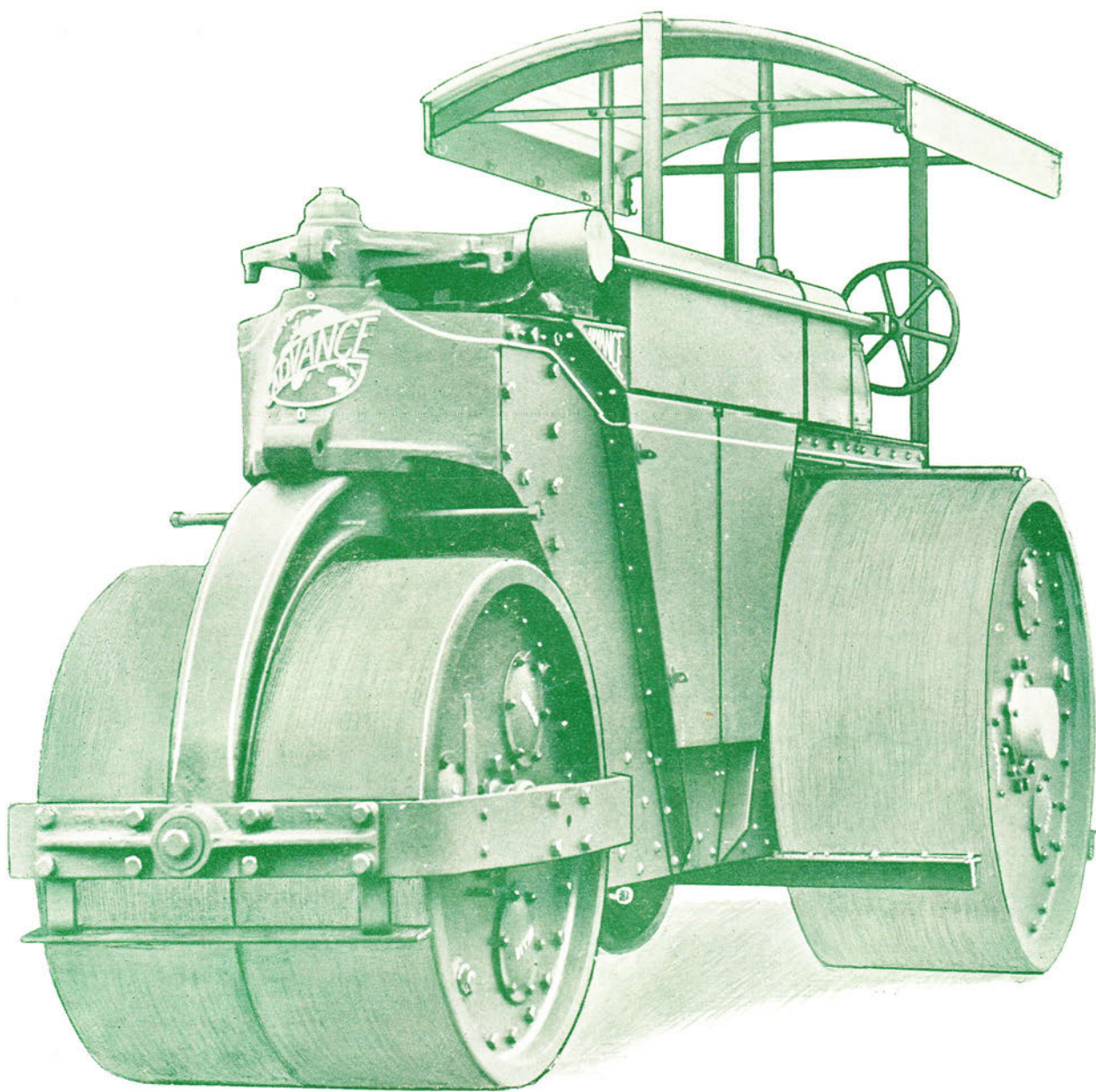
McCREATH, TAYLOR & Co. Ltd.

Manufacturers and Suppliers of all Road Materials and Road Plant

Fairfield Street :: BOLTON, Lancs.



MODEL OMF/K



MODEL OMF/O

FEATURES

CAREFULLY PROPORTIONED WEIGHT DISTRIBUTION.

STRENGTH AND SIMPLICITY.

DUAL PLATE REVERSING CLUTCHES.

POWERFUL ENGINE.

ELECTRIC STARTING.

FOUR SPEEDS (in both directions).

SMOOTH REVERSE (in all speeds).

GEAR DRIVE TO EACH REAR ROLL.

AUTOMATIC CAMBERING REAR AXLE.

OPTIONAL ADDITIONAL FITTINGS

ELECTRIC LIGHTING.

12 Volt, 2 side lamps, 2 rear lamps.

AWNING.

Strong steel construction with drop curtains.

WATER SPRAYERS.

Useful for damping roll surfaces. A tank of approximately 90 gallons (409.5 litres) is provided with spray pipes to all rolls.

SCARIFIER.

Two tine with tine heads behind each hind roll. All steel construction, operated by driver from seat.

AN ENCLOSED DRIVER'S CAB is also available.

SPECIFICATION

MODEL.		OMF/K	OMF/O
WEIGHT (Approx.).	In working order Standard model	6 tons 6096 Kgs.	8 tons 8128 Kgs.
	„ „ with water ballast	7 $\frac{1}{4}$ tons 7366 Kgs.	9 tons 9144 Kgs.
	NOTE. To the above weights ADD		
	For spray tank fitted and full —		
	10 cwts. (508 Kgs.)		
	For scarifier 10 cwts. (508 Kgs.)		
DIMENSIONS.	Length	14' 11" (4547 m/m)	
	„ with awning or scarifier	15' 7" (4750 m/m)	
	Width	6' 0 $\frac{3}{4}$ " (1848 m/m)	6' 1 $\frac{3}{4}$ " (1874 m/m)
	Height	6' 4" (1930 m/m)	
	„ with awning	8' 3" (2515 m/m)	
	Wheelbase	9' 0" (2743 m/m)	
	Turning circle — outside radius	14' 0" (4267 m/m)	
HIND ROLLS.	Diameter	4' 0" (1219 m/m)	4' 0" (1219 m/m)
	Width	1' 11 $\frac{1}{4}$ " (590 m/m)	1' 11 $\frac{3}{4}$ " (604 m/m)
ROLLING WIDTH.		6' 0 $\frac{3}{4}$ " (1848 m/m)	6' 1 $\frac{3}{4}$ " (1874 m/m)
FRONT ROLLS.	Two sections. Diameter	3' 6" (1067 m/m)	
	Total width	2' 9" (838 m/m)	
FORECARRIAGE.	Underslung with overhead steerage operated by machine cut bevel gears, worm and segment.		
OVERLAP (Max.).		4" (102 m/m)	Each side.
POWER UNIT.	"FORD" Diesel. 4 cylinder compression ignition 3610 cc., engine developing 37 BHP at 1500 R.P.M. governed speed. Electric starting is standard.		
ENGINE CLUTCH.	Single plate 11" diameter.		
COOLING.	Ample capacity tubular radiator with 18" diameter fan. Pump circulation.		
FUEL TANK.	Capacity 28 Gallons (127.3 Litres).		
GEARBOX.	FOUR SPEEDS. $\frac{3}{4}$, 1 $\frac{1}{2}$, 2 $\frac{5}{8}$ and 4 $\frac{1}{2}$ M.P.H. IN EACH DIRECTION. Totally enclosed running in oil. All shafts mounted on ball or roller journal bearings.		
REVERSING CLUTCHES.	Dual plate 16" diameter giving smooth reverse in all speeds.		
REDUCTION GEARBOX.	Spur and bevel gears are employed throughout with incorporated differential gear having automatic locking device. All are enclosed and run in oil.		
FINAL DRIVE.	Positive drive by spur gearing to each rear roll.		
REAR AXLES.	Rolls revolve on their "ADVANCE" automatic cambering rear axles.		
BRAKES.	Powerful band type footbrake and independent handbrake.		

CONDITIONS OF TENDER AND SALE

GENERAL. Orders are only accepted by us subject to approval of customers' credit and on the distinct understanding that the following conditions of Sale and Guarantee shall apply to any order given to and accepted by us unless otherwise modified by us in writing.

DESCRIPTIVE MATTER, ILLUSTRATIONS, ETC. Photographs, drawings, illustrations and descriptive matter submitted with this tender shall be understood to represent general design only, and shall be neither binding in detail nor form part of the contract. Although dimensions and weights quoted are reasonably accurate they must be regarded as approximate.

DELIVERY. Whilst we undertake and endeavour to execute every order by the time stated we do not accept responsibility for any direct or indirect losses which may arise if completion is retarded by faulty materials, strikes, lockouts, delayed delivery to us of materials or parts from other manufacturers or other unforeseen circumstances, as no provision against such contingencies is made in our price.

PAYMENT. Terms of payment stipulated in our tender must be strictly adhered to. Defects (if any) in goods supplied or other grievance shall not influence terms of payment but shall be the subject of separate negotiations.

GUARANTEE

In lieu of any warranty implied by law we guarantee that materials used by ourselves in the manufacture of our machinery shall be of suitable quality of their respective kinds and should any defect occur within twelve months from date of despatch, and the part be immediately returned, carriage paid, to our works, if we consider such part is faulty we will, at our option, repair it or supply a new one and deliver it to any station British Mainland or F.O.B. British Port, free of charge.

Our guarantee does not cover wear and tear or damage due to improper adjustments, misuse, neglect or accident, neither does it apply to engines or components not of our manufacture for which we will pass on to the customer the benefits of any makers' guarantees covering such items.

Our liabilities are limited to those stated above and exclude any consequential damage, loss or responsibility.

SHIPPING PARTICULARS

APPROXIMATE DETAILS

FOR SHORT SEA VOYAGE

ROLLER NOT DISMANTLED BUT PROTECTED

MEASUREMENTS.

	<u>OMF/K</u>	<u>OMF/O</u>
Length with awning	15' 7"	15' 7"
"	4750 m/m	4750 m/m
Width	6' 1"	6' 2"
"	1854 m/m	1880 m/m
Height	6' 11"	6' 11"
"	2108 m/m	2108 m/m
Gross weight	6 $\frac{1}{4}$ tons	8 $\frac{1}{4}$ tons
"	6350 Kgs.	8382 Kgs.

NOTE. IF SCARIFIER IS FITTED ADD 10 Cwts. (508 Kgs.) TO ABOVE WEIGHTS.

FOR LONG SEA VOYAGE

ROLLER DISMANTLED AND PACKED

MODEL OMF/K

MEASUREMENTS		GROSS WEIGHTS				
		T	C	Q	L	KGS.
1 Case contg. roller chassis, etc.	13' 8" × 5' 9" × 3' 3" 4166 m/m × 1753 m/m × 991 m/m	4	1	2	0	4140
1 Pkge. Forecarriage with front rolls	4' 11" × 4' 2" × 3' 5" 1499 m/m × 1270 m/m × 1041 m/m	1	2	1	0	1145
1 Case contg. Awning Top	6' 8" × 5' 1" × 1' 3" 2032 m/m × 1549 m/m × 381 m/m		2	2	0	141
1 Hind Roll Left	4' 0" × 4' 0" × 2' 0" 1219 m/m × 1219 m/m × 609 m/m	14	1	0		723
1 Hind Roll Right	4' 0" × 4' 0" × 2' 0" 1219 m/m × 1219 m/m × 609 m/m	14	1	0		723

MODEL OMF/O

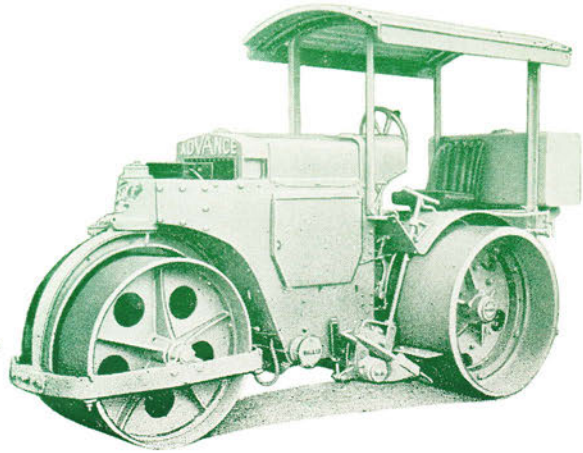
MEASUREMENTS		GROSS WEIGHTS				
		T	C	Q	L	KGS.
1 Case contg. roller chassis, etc.	13' 8" × 5' 9" × 3' 3" 4166 m/m × 1753 m/m × 991 m/m	4	1	2	0	4140
1 Pkge. Forecarriage with front rolls	4' 11" × 4' 2" × 3' 5" 1499 m/m × 1270 m/m × 1041 m/m	1	17	2	0	1905
1 Case contg. Awning Top	6' 8" × 5' 1" × 1' 3" 2032 m/m × 1549 m/m × 381 m/m		2	2	0	141
1 Hind Roll Left	4' 0" × 4' 0" × 2' 0" 1219 m/m × 1219 m/m × 609 m/m	1	9	1	0	1486
1 Hind Roll Right	4' 0" × 4' 0" × 2' 0" 1219 m/m × 1219 m/m × 609 m/m	1	9	1	0	1486

NOTE. IF SCARIFIER IS FITTED, MEASUREMENTS OF MAIN CASE ARE NOT AFFECTED BUT WEIGHT SHOULD BE INCREASED BY 10 Cwts. (508 Kgs.).

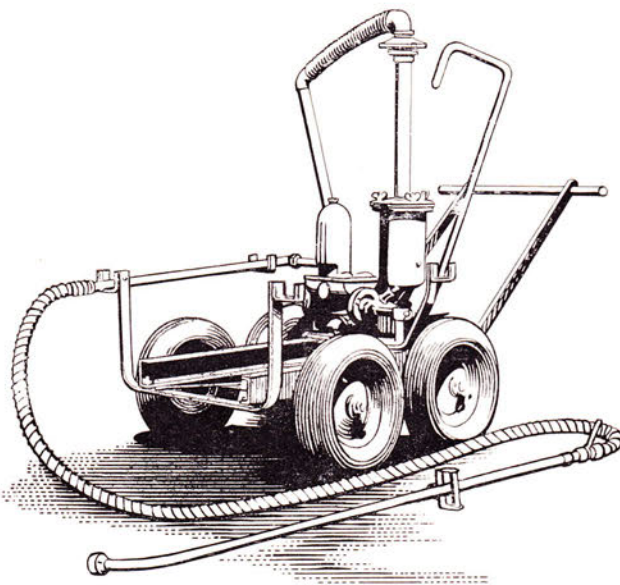
OTHER "WALLIS" PLANT



ALL "ADVANCE ROLLERS" HAVE
FOUR SPEEDS IN BOTH DIRECTIONS.



LIGHTWEIGHT ROLLERS
PETROL & DIESEL



THE DIRECT SPRAYER
(FOR COLD EMULSIONS)

A PROVED AND POPULAR MACHINE

SPRAYS UP TO 150 GALLONS PER HOUR, DIRECT FROM THE
DRUM WHETHER HORIZONTAL OR VERTICAL.

McCreath, Taylor & Co. Ltd.,

BOLTON.

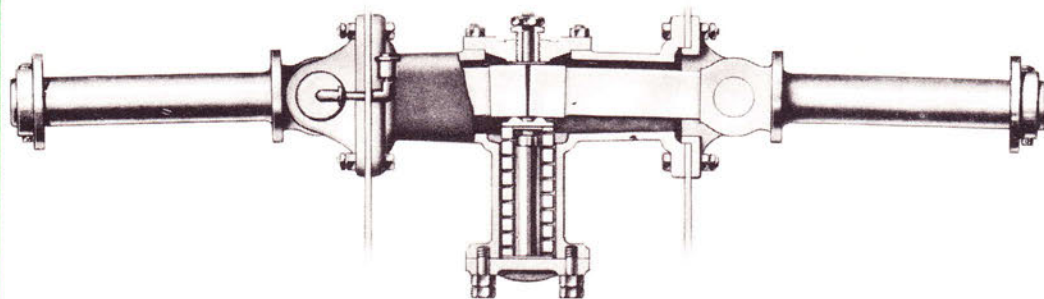
WALLIS & STEEVENS LTD.

SOLE MANUFACTURERS

BASINGSTOKE,

ENGLAND

Rear Axle



This distinctive feature OF ADVANCE ROLLERS

is quite unique in that it provides for an automatic cambering action of the rear rolls. The construction of the Advance Rear Axle is of proved reliability. It has given unqualified satisfaction over a number of years under the most exacting and varied working conditions.

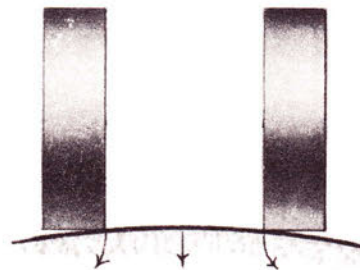
As the cambering action is entirely automatic, the camber of the rolls is always correct whether working on straight runs, curves, road junctions or cross sections. The superiority of the Advance Patent Rear Axle over the ordinary rigid mounting is unquestionable. Equal or even approximately equal results cannot be obtained by an axle which has to be adjusted or by cambered axles or rolls, as these are all, so far as effect in actual work is concerned, merely variations of the rigidly mounted roll and retain its inherent defects.

The Advance Axle can be readily locked to hold rolls either parallel or at a fixed camber, but under all normal conditions the automatic action provided by its patented construction is essential for most effective consolidation and irreproachable surface finish.

WALLIS & STEEVENS LTD.
BASINGSTOKE, ENGLAND

Telephone No. 152
Telegrams : "WALLIS, BASINGSTOKE"
Codes : A.B.C. 5th Edition, Bentley's
and Bentley's Second

3 POINTS WORTH



FAULTS OF ORDINARY TANDER ROLLERS

WEIGHT ON ROLLS unequally distributed—consolidation not even over full width—marking on plastic coatings unavoidable.

Front and rear rolls held parallel by fixed axle—tendency to force materials out of wheel tracks or if faces worn to camber, unequal wheel diameters set up camber, resulting in displacement of materials and undue wear, a fixed camber only registers on straight line.

REASONS WHY THE ADVANCE ROLLER IS SUPERIOR

EQUAL WEIGHT IMPRESSION on materials over full rolled width—combined with automatic cambering of rear rolls—equal and uniform consolidation of materials irrespective of direction of travel—no marking on plastic coatings—no side marking—wide rear rolls with minimum space between—no overhang—no projections.

EFFICIENCY OF ADVANCE ROLLERS

ADVANCE ROLLERS combine in their design the best features of the ordinary three-wheel and tandem types without their disadvantages—they give equally good results on either light or heavy work, Tarmacadam, Asphaltic compositions, or Bituminous courses, and so are of all-round utility for modern roadmaking and maintenance. Their high-class construction ensures good service, their improved design

The ADVANCE
AUTOMATIC
CAMBERING AXLE
IS IN SERVICE
A DEFINITELY
VALUABLE ASSET
IN
CONSTRUCTION
A PROVED
NO TROUBLE
DESIGN

Telephone: 152 BASINGSTOKE
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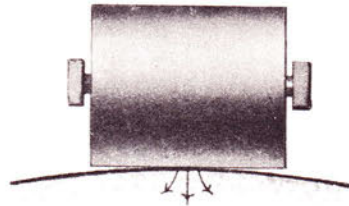
**WALLIS &
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H CONSIDERATION

ORDINARY 3-WHEEL AND INDEMNITY TYPES

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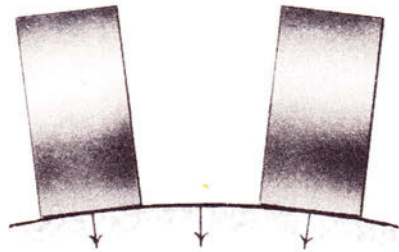
WIDE PARALLEL ROLL FACE—tendency to force materials laid to camber outwards—side roll pronounced. Effective area of wheel contact with road on cambered surface slight, and on central line only—poor stability and control on gradients or any but relatively flat surfaces—constant wheel slip on any deviation from straight line. Overhanging frame projections—rolls not effective to overall width.



ANCE DESIGN GIVES BETTER RESULTS

width
central
no dis-
de roll
hanging

EFFECTIVE CONSOLIDATION to extreme edges of road—reduced wear on roll rims by absence of constant wheel slip—absolute stability and control wheels having three-point contact with road—consolidation being effective over full width greater cover and output.



ROLLERS FOR ALL ROLLING WORK

features
their
rboard
peting,
enance.
proved

design economy, more efficient consolidation, better surface finish, and users report a greater area can be effectively covered in a given working time. Advance Rollers are not built to sell on price, but any extra outlay on their purchase is real economy, if it is borne in mind that service obtained and not initial expenditure is the final criterion of cost.

STEEVENS LTD.
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Codes : A.B.C. 5TH EDITION
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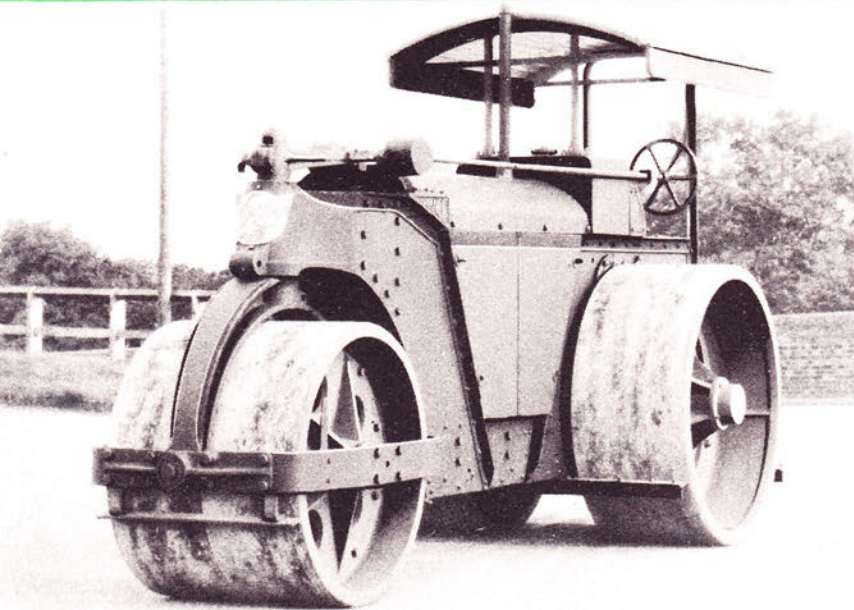


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**ALL MODELS HAVE THE
PATENT AUTOMATIC
CAMBERING AXLE**

DIESEL OIL MODELS

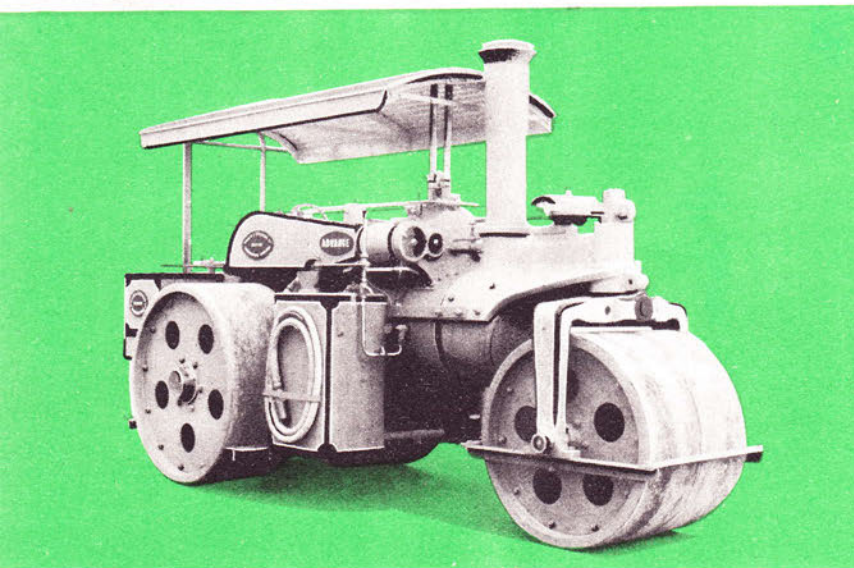
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STARTING ENGINE
4-SPEED GEARBOX**

STEAM MODELS

**DOUBLE CYLINDERS
QUICK REVERSE**

LIGHTWEIGHT PETROL PARAFFIN MODELS

**REVERSIBLE RIMS
TWO CLEAR SIDES**



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