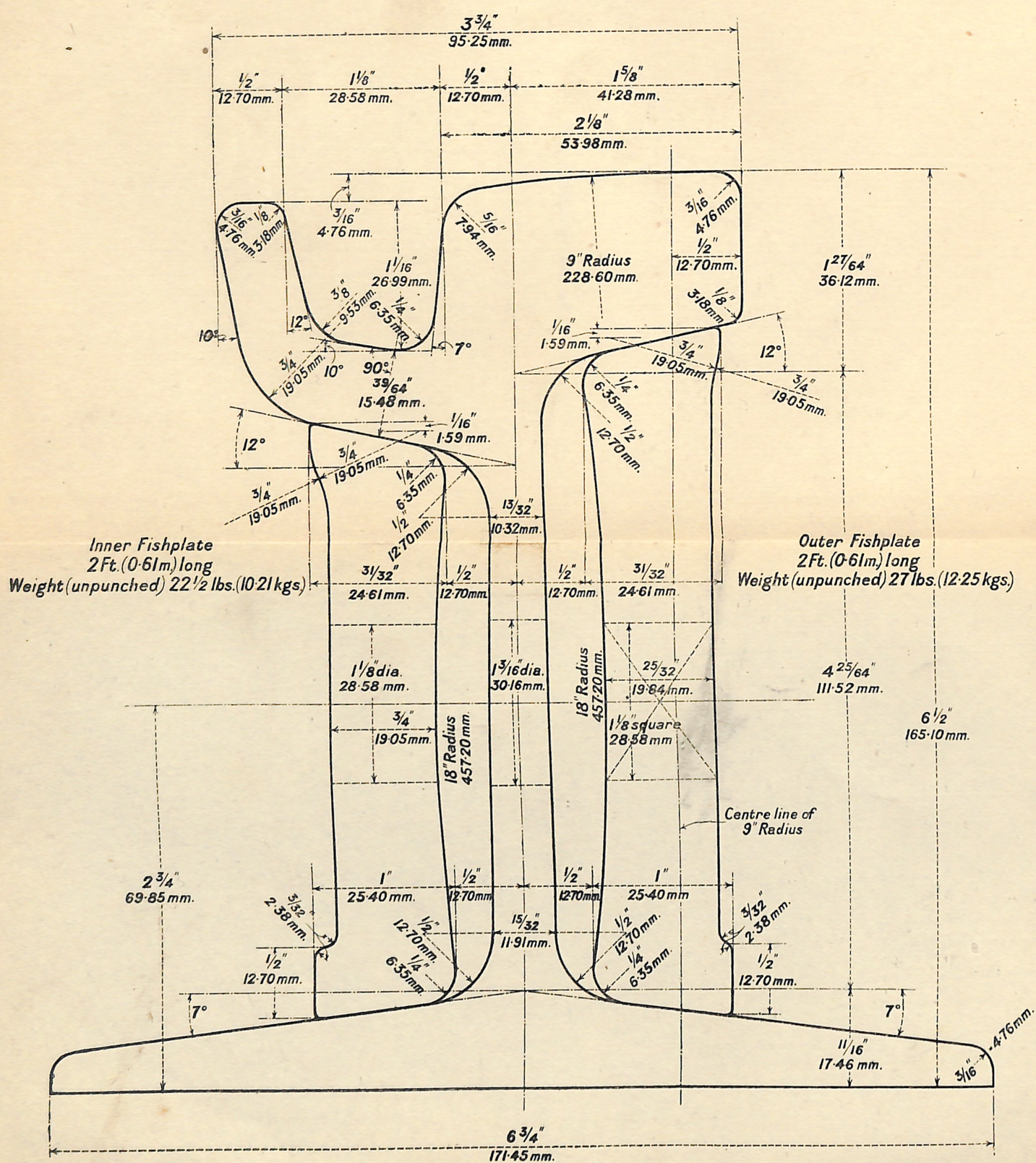
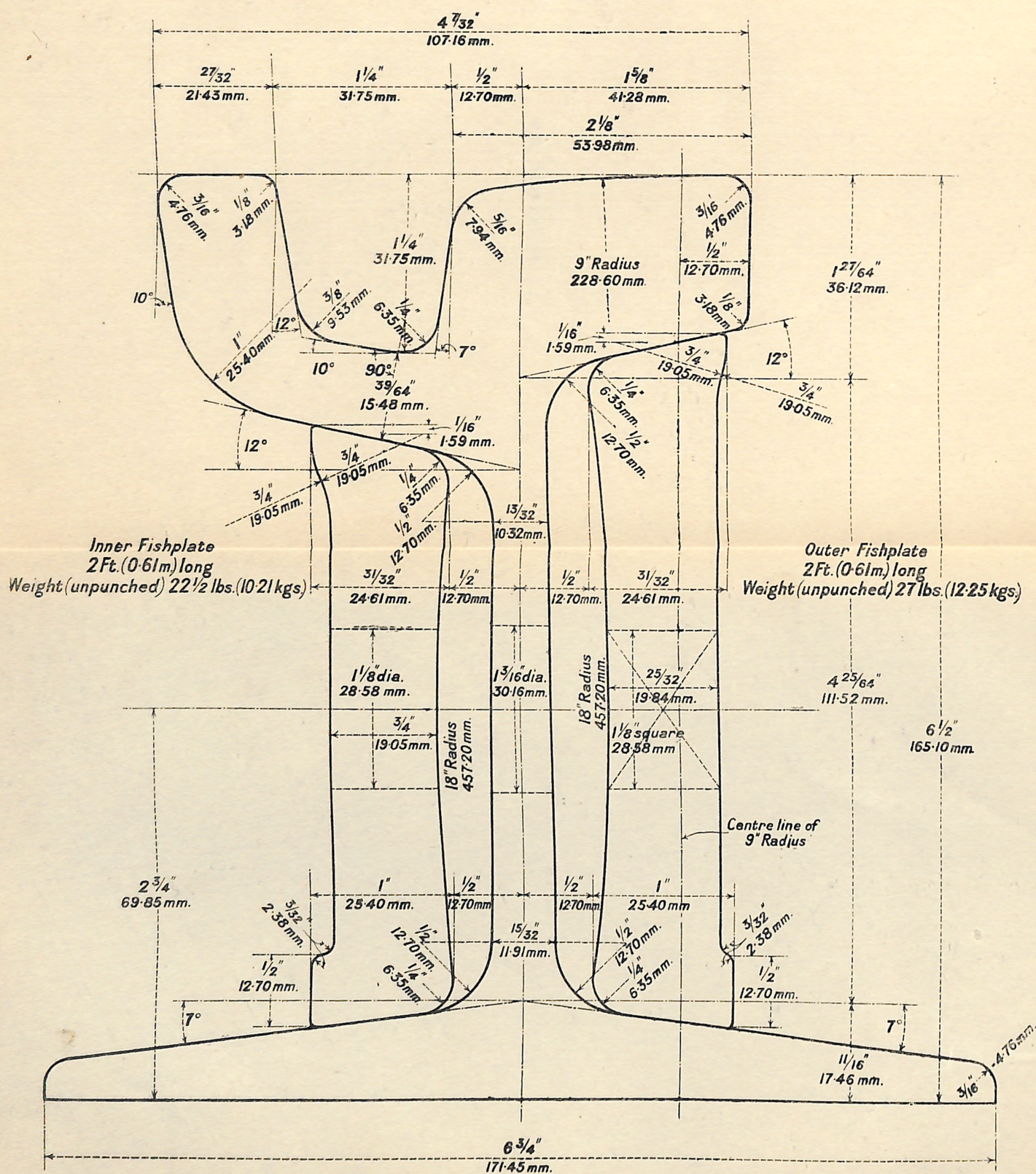


FULL SIZE.



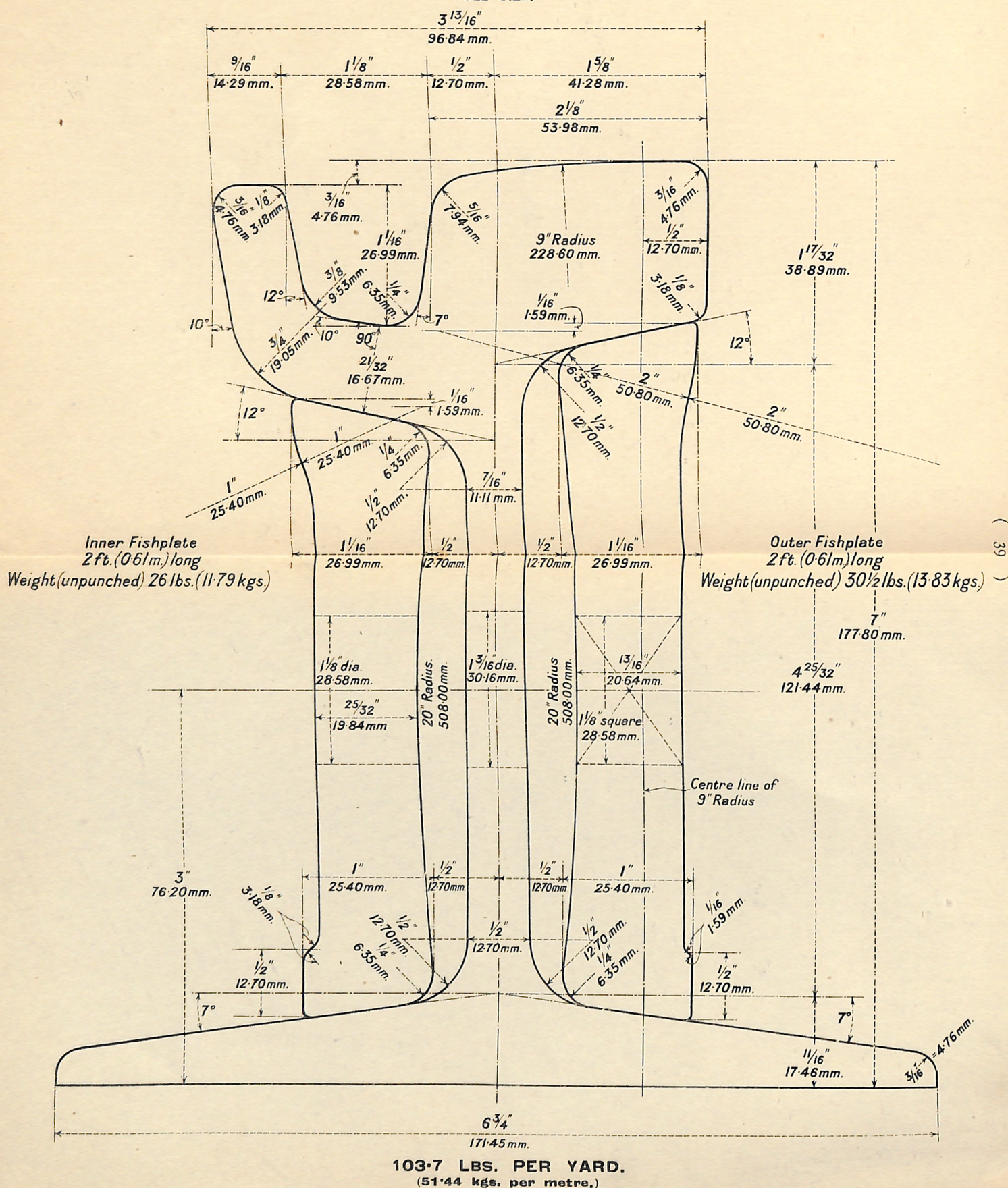
96·4 LBS. PER YARD.
(47·8 kgs. per metre.)

FULL SIZE:



103·2 LBS. PER YARD.
(51·19 kgs. per metre.)

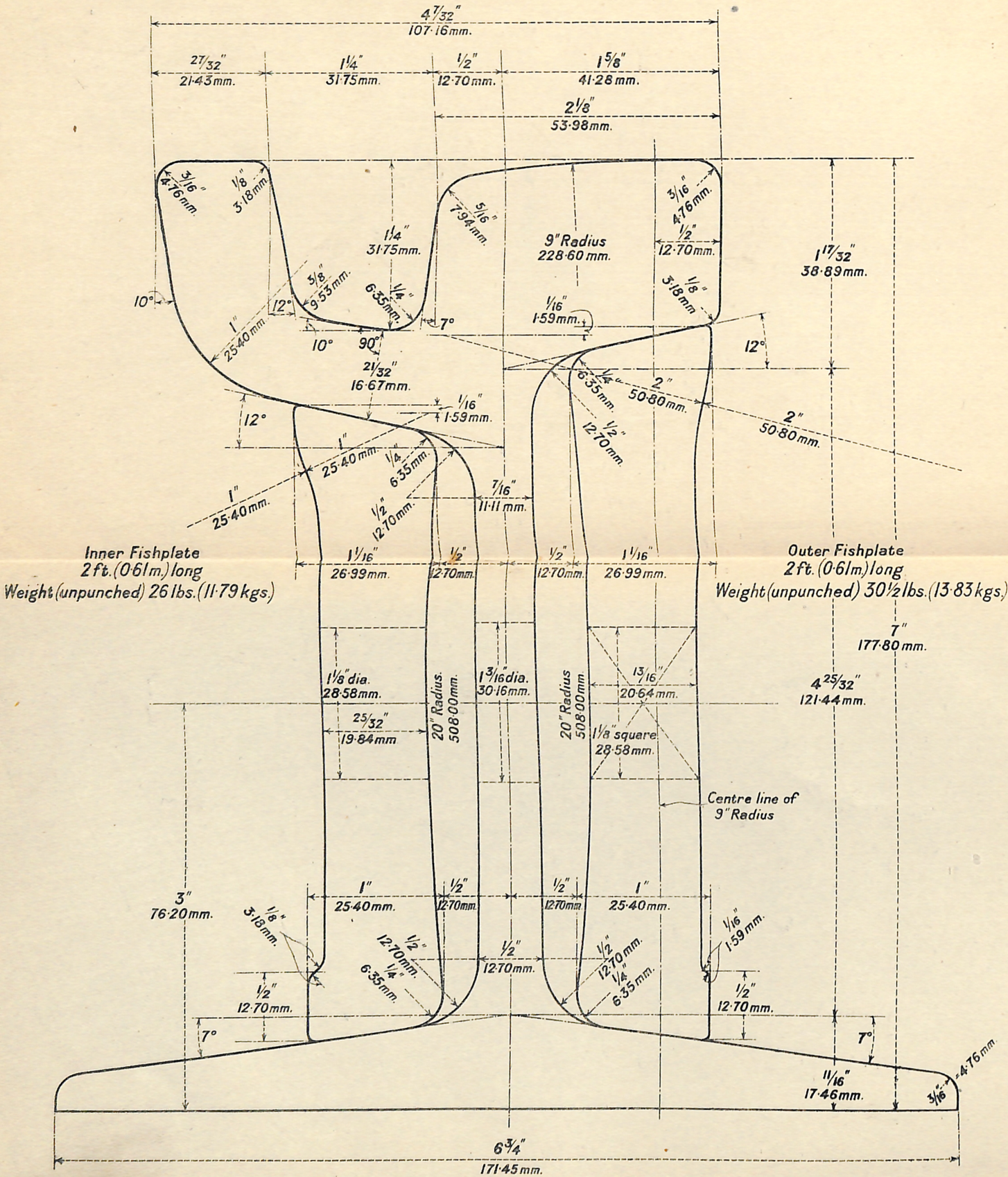
FULL SIZE.



BRITISH STANDARD TRAMWAY RAILS.

B.S. SECTION NO. 7C.

For use on Curves.
(Superseding B.S. Section No. 4c.)
FULL SIZE.

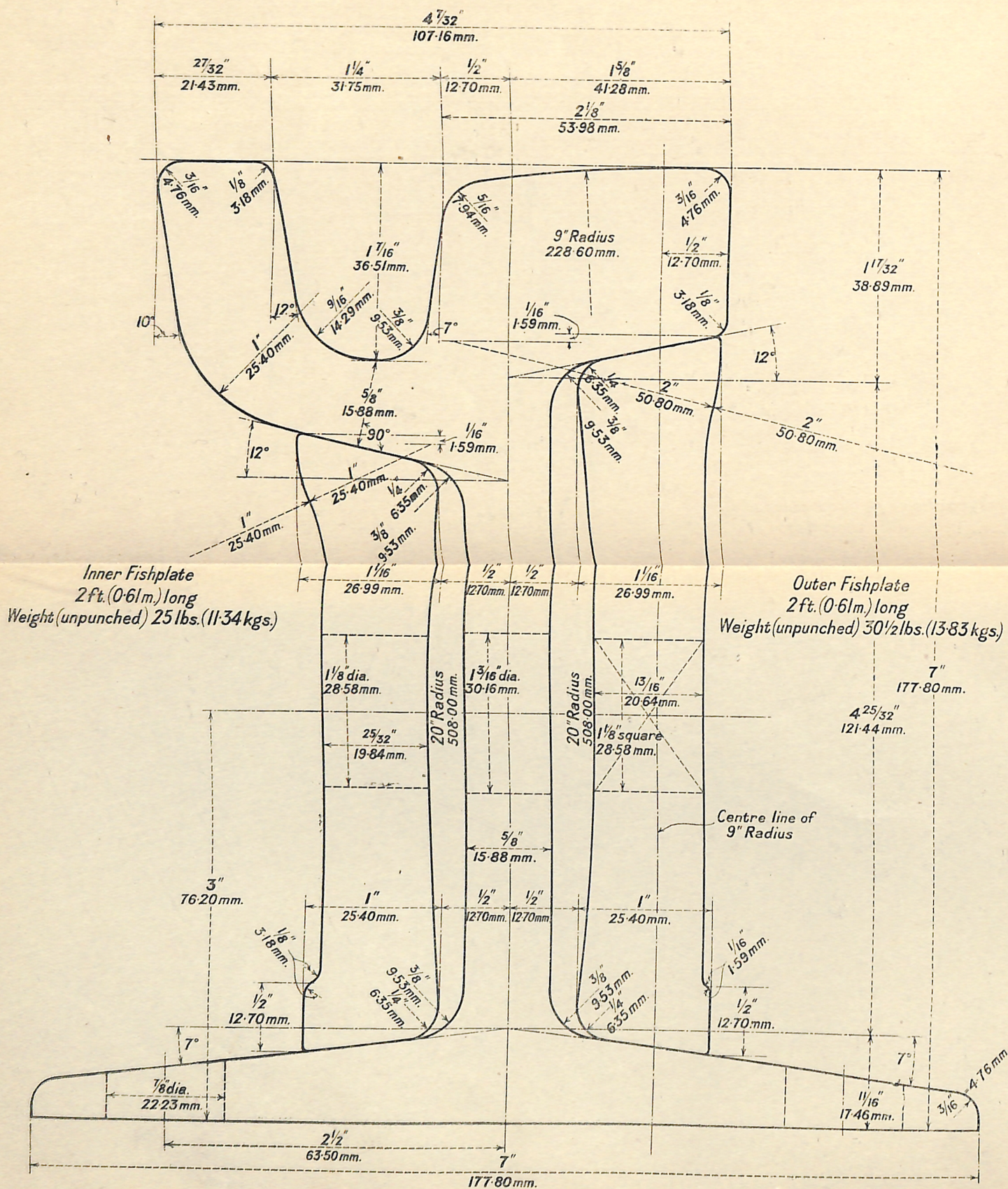


No. 2—1922.
Plate 5.



For use on Curves.

FULL SIZE.

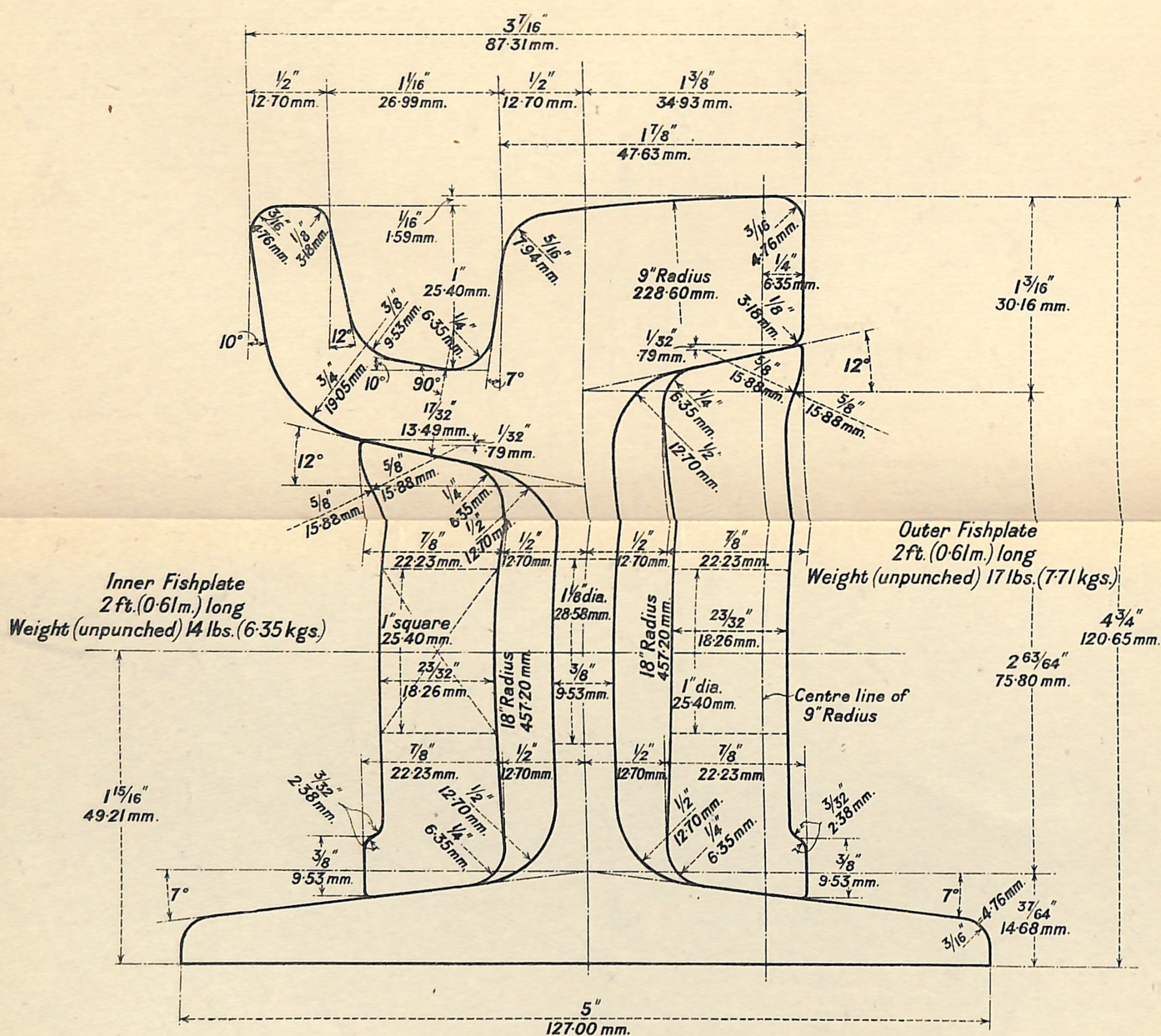


119.2 LBS. PER YARD.
(59.13 kgs. per metre.)

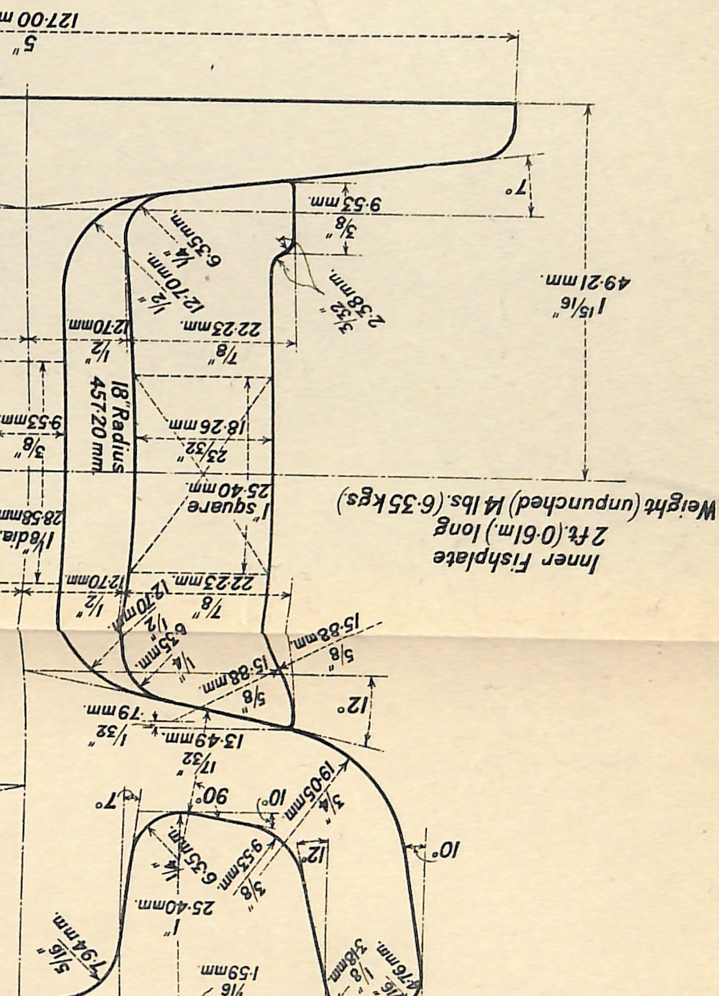
BRITISH STANDARD TRAMWAY RAILS.

B.S. SECTION No. 9.

FULL SIZE.



68.3 LBS. PE
(33.88 kgs, per)



(36.01 kgs. per metre.)

British Engineering Standards Association.

PRICE LIST OF BRITISH STANDARD SPECIFICATIONS AND REPORTS. FEBRUARY, 1923.

(This List cancels all previous Lists.)

NOTE.—A number of the Publications of the Association are being issued in French, Italian, Spanish and Portuguese. The majority of the English Editions and all the Foreign Translations (which also include the English text) are being published in octavo form, and will be available at 1/- net per copy or its equivalent in Foreign moneys.

Report No.	Net.	Post free	Report No.	Net.	Post free
1-1920. Rolled Sections for Structural Purposes, Lists of ...	1/-	1/2	24-Railway Rolling Stock, Specifications for Material used in the Construction of—		
2-1922. Tramway Rails and Fish-plates, Specification and Sections for ...	1/-	1/3	24-Part 1-1921. Locomotive, Carriage and Wagon Axles (containing Specifications Nos. 1, 2, 2a, 3, 3a) ...	1/-	1/2
3-1903. Influence of Gauge Length and Section of Test Bar on the Percentage of Elongation, Report on, by Professor W. C. UNWIN, F.R.S. ...	1/-	1/2	24-Part 2-1921. Locomotive, Carriage and Wagon Tyres, (containing Specifications Nos. 4, 5, 5a) ...	1/-	1/2
4-1921. Channels and Beams for Structural Purposes, Dimensions and Properties of ...	1/-	1/2	24-Part 3-1921. Laminated, Volute and Helical Springs and Steel for Laminated Springs (containing Specifications Nos. 6, 6a, 6b, 6c, 7, 7a) ...	1/-	1/2
6-1904. Rolled Sections for Structural Purposes, Properties of ...		Under Revision.	24-Part 4-1921. Steel Forgings, Blooms and Castings (containing Specifications Nos. 8, 9, 10) ...	1/-	1/2
7-1922. Copper Conductors, Insulated Annealed, for Electric Power and Light, Dimensions of ... [See also No. 152-1922.]	1/-	1/2	24-Part 5-1911. Copper Plates, Rods and Tubes, and Brass Tubes (containing Specifications Nos. 11, 12, 13, 14, 15) ...	1/-	1/2
8-1904. Tramway Poles, Specification for Tubular ...	1/-	1/2	24-Part 6-1921. Steel Plates, Angles, etc., and Rivets for Locomotives, Carriages and Wagons (containing Specifications Nos. 16, 17, 17a, 18, 18a) ...	1/-	1/2
9-1922. Railway Rails, Specification and Sections for Bull Head ...	1/-	1/2	27-1906. Limit Gauges for Running Fits, Report on Standard Systems of ...	1/-	1/2
10-1904. Pipe Flanges, Tables of ...	1/-	1/2	28-1908. Nuts, Bolt Heads and Spanners, Report on ...	1/-	1/2
11-1922. Railway Rails, Specification and Sections for Flat Bottom ...	1/-	1/2	29-1909. Steel Forgings for Marine Purposes, Specification for Ingot ...	1/-	1/2
12-1920. Portland Cement, Specification for ...	1/-	1/2	30-1907. Steel Castings for Marine Purposes, Specification for ...	1/-	1/2
13-1910. Steel for Shipbuilding, Specification for Structural ...	1/-	1/2	31-1910. Steel Conduits for Electrical Wiring, Specification for ...	1/-	1/2
14-1907. Steel for Marine Boilers, Specification for Structural ...	1/-	1/2	32-1921. Steel Bars for the Production of Machined Parts, Specification for ...	1/-	1/2
15-1912. Steel for Bridges, etc., and General Building Construction, Specification for Structural ...	1/-	1/2	33-1906. Carbon Filament Glow Lamps, Specification for ...	1/-	1/2
16-1905. Telegraph Material, Specifications for ...		Under Revision.	35-1907. Copper Alloy Bars for use in Automatic Machines, Specification for ...	1/-	1/2
18-1910. Tensile Test Pieces, Forms of ...		Gratis. -/2	37-1919. Electricity Meters, Specification for ...	1/-	1/2
21-1909. Pipe Threads for Iron or Steel Pipes and Tubes, Report on ...	1/-	1/2			
23-1905. Trolley Groove and Wire, Standards for ...	1/-	1/2			

LIST OF PUBLICATIONS—continued.

Report No.	Post free.	Report No.	Post free.
40-1908. Cast Iron Low Pressure Heating Pipes, Specification for Spigot and Socket	1/- 1/2	69-1915. Tungsten Filament Glow Lamps for Automobiles, Report on	Under Revision.
41-1908. Cast Iron Flue or Smoke Pipes, Specification for Spigot and Socket	1/- 1/2	70-1916. Pneumatic Tyre Rims for Automobiles, Motor Cycles and Cycles, Report on	Under Revision.
42-1909. Steam Engines for Electrical Purposes, Report on Rectifying	Under Revision.	71-1917. Wheel Rims and Tyre Bands for Solid Rubber Tyres for Automobiles, Report on Dimensions of	Under Revision.
43-1909. Boiler Tubes, Specification for Charcoal Iron Lap-welded	1/- 1/2	72-1917. Electrical Machinery, British Standardisation Rules for	1/- 1/2
44-1909. Cast Iron Pipes for Hydraulic Power, Specification for	1/- 1/2	73-1919. Two-Pin Wall Plugs and Sockets, Specification for	1/- 1/2
45-1917. Sparking Plugs (for Internal Combustion Engines), Dimensions for	1/- 1/2	74-1917. Changing Plug and Socket, for Vehicles Propelled by Electric Secondary Batteries, Specification for	1/- 1/2
46-1909. Keys and Keyways, Specification for	1/- 1/2	75-1916. Steels for Automobiles, Specifications for Wrought	1/- 1/2
47-1919. Steel Fishplates, for Bull Head and Flat Bottom Railway Rails, Specification and Sections of	1/- 1/2	76-1916. Tars, Pitches, Bitumens and Asphalts which are used for Road Purposes, Report on Nomenclature of and Specifications for Tar and Pitch for Road Purposes	1/- 1/2
48-1909. Wrought Iron of Smithing Quality for Shipbuilding (Grade D), Specification for	1/- 1/2	77-1921. Electrical Pressures for New Systems and Installations	Grants.
50-1910. Locomotives for Indian Railways, Third Report on (Superheating Nos. 5 and 6)	Under Revision.	78-1917. Cast Iron Pipes and Special Castings for Water, Gas and Sewage, Specification for	1/- 1/2
51-1913. Wrought Iron for use in Railway Rolling Stock ("Best-York-slip") and Grades A, B, and C), Specification for	1/- 1/2	79-1919. Special Trackwork for Tramways, Report on British Standard	1/- 1/2
53-1913. Boiler Tubes for Locomotive Boilers, Specification for Cold Drawn Weldless Steel	1/- 1/2	80-1917. Magnetos for Automobile Purposes, Report on Dimensions of	Under Revision.
54-1911. Screw Threads, Nuts and Bolt Heads, for use in Automobile Construction, Report on	1/- 1/2	81-1919. Instrument Transformers, Specification for	1/- 1/2
55-1911. Yield Point and Elastic Limit, Definitions of	Grants -1/2	82-1919. Starters for Electric Motors, Specification for	1/- 1/2
57-1920. Heads for British Association Screws, Report on	1/- 1/2	83-1922. Aircraft Dope and Protective Covering, Standard of Reference for	1/- 1/2
58-1912. Cast Iron Soil Pipes, Specification for Spigot and Socket	1/- 1/2	84-1918. Screw Threads (British Standard Fine), and their Tolerances (Superseding Parts of Reports Nos. 20 and 33), Report on	1/- 1/2
58-1912. Cast Iron Waste and Ventilating Pipes (for other than Soil Purposes), Specification for Spigot and Socket	1/- 1/2	86-1919. Magnetos for Aircraft Purposes, Report on Dimensions of	1/- 1/2
61-1913. Copper Tubes and their Screw Threads (primarily for domestic and similar work), Specification for	1/- 1/2	87-1919. Airscrew Hubs, Report on Dimensions of	1/- 1/2
62-1913. Marine Boiler Stays, Screwing for	Grants -1/2	88-1919. Electric Cut-Outs (Low Pressure, Type O), Specification for	1/- 1/2
63-1913. Broken Stone and Chippings, Specification for Sizes of	1/- 1/2	89-1919. Indicating Ammeters, Voltmeters, Wattmeters, Frequency, and Power-Factor Meters, Specification for	1/- 1/2
64-1913. Fishbolts and Nuts for Railway Rails, Specification for	1/- 1/2	90-1919. Recording (Graphic) Ammeters, Voltmeters, and Wattmeters, Specification for	1/- 1/2
65-1914. Salt-Glazed Ware Pipes, Specification for	1/- 1/2	91-1921. Electric Cable Soldering Sockets, Specification for	Under Revision.
66-1914. Copper-Alloy Three-Piece Unions (for Low and Medium Pressure Screwed Copper Tubes), Specification for	1/- 1/2	94-1920. Watertight Glands for Electric Cables, Specification for	1/- 1/2
67-1914. Ceiling Roses, Specification for Two- and Three-Plate	1/- 1/2	95-1919. Connections to Effective Diameter required to compensate Pitch and Angle Errors in Screw Threads of Whitworth Form, Tables of	1/- 1/2
68-1914. Steel Conductor Rails, Method of Specifying the Resistance of	1/- 1/2	96-1922. Parallel Sided Carbon Brushes for D.C. Commutator Machines, Specification for	1/- 1/2

LIST OF PUBLICATIONS—continued.

Report No.	Post free.	Report No.	Post free.
97-1920. Water-tight Fittings for Incandescent Electric Lamps, Specification for	1/- 1/2	100-1920. Body Spaces and Frame Ends for Chassis for Private Automobiles, Dimensions for	1/- 1/2
98-1919. Goliath Lamp Caps and Lamp Holders, Specification for	1/- 1/2	101-1921. Tramway Tyres, Specification for	1/- 1/2
99-1922. Copper-Alloy Pipe Fittings, Screwed for Low and Medium Pressure B.S. Copper Tubes, Specification for	1/- 1/2	102-1921. Tramway Axles, Specification for	1/- 1/2
100-1920. Body Spaces and Frame Ends for Chassis for Private Automobiles, Dimensions for	1/- 1/2	103-1922. Falling Weight Testing Machines for Rails, Specification for	Grants -1/2
101-1921. Tramway Tyres, Specification for	1/- 1/2	104-1919. Light Flat Bottom Railway Rails and Fishplates, Sections of	1/- 1/2
102-1921. Tramway Axles, Specification for	1/- 1/2	105-1919. Light and Heavy Bridge Type Railway Rails, Sections of	1/- 1/2
103-1922. Falling Weight Testing Machines for Rails, Specification for	Grants -1/2	106-1920. Electrically Heated Cooking Range (Two sizes), Specification for	1/- 1/2
104-1919. Light Flat Bottom Railway Rails and Fishplates, Sections of	1/- 1/2	107-1919. Rolled Sections for Magnetic Steel	1/- 1/2
105-1919. Light and Heavy Bridge Type Railway Rails, Sections of	1/- 1/2	108-1922. Graphical Symbols for Electrical Purposes, British Standard	1/- 1/4
106-1920. Electrically Heated Cooking Range (Two sizes), Specification for	1/- 1/2	109-1923. Air-Break Knife Switches and Laminated Brush Switches for Voltages not exceeding 660 volts, Specification for	1/- 1/2
107-1919. Rolled Sections for Magnetic Steel	1/- 1/2	110-1923. Air-Break Circuit Breakers for Voltages not exceeding 660 volts, Specification for	1/- 1/2
108-1922. Graphical Symbols for Electrical Purposes, British Standard	1/- 1/4	111-1920. Wrought Steels for Aircraft, Schedule of	1/- 1/2
109-1923. Air-Break Knife Switches and Laminated Brush Switches for Voltages not exceeding 660 volts, Specification for	1/- 1/2	112-1920. Cold Worked Steels for Aircraft, Schedule of	1/- 1/2
110-1923. Air-Break Circuit Breakers for Voltages not exceeding 660 volts, Specification for	1/- 1/2	113-1920. Sheet Steels for Aircraft, Schedule of	1/- 1/2
111-1920. Wrought Steels for Aircraft, Schedule of	1/- 1/2	114-1920. Valve and Valve Spring Steels for Aircraft, Schedule of	1/- 1/2
112-1920. Cold Worked Steels for Aircraft, Schedule of	1/- 1/2	115-1921. Metallic Resistance Materials for Electrical Purposes, Specification for	1/- 1/2
113-1920. Sheet Steels for Aircraft, Schedule of	1/- 1/2	122-1920. Milling Cutters and Reamers, Standards for	1/- 1/3
114-1920. Valve and Valve Spring Steels for Aircraft, Schedule of	1/- 1/2	128-1922. Bare Annealed Copper Wire for Electrical Machinery and Apparatus, Dimensions and Resistances of	1/- 1/2
115-1921. Metallic Resistance Materials for Electrical Purposes, Specification for	1/- 1/2	131-1920. Notched Bar Test Pieces, Forms of	1/- 1/2
122-1920. Milling Cutters and Reamers, Standards for	1/- 1/3	132-1920. Steam Turbines for Electrical Plant, Specification for	1/- 1/2
128-1922. Bare Annealed Copper Wire for Electrical Machinery and Apparatus, Dimensions and Resistances of	1/- 1/2	133-1921. Normal Type Vacuum Tungsten Filament Electric Lamps, Specification for	1/- 1/2
131-1920. Notched Bar Test Pieces, Forms of	1/- 1/2	135-1921. Benzol for Motor Fuel, Specification for	1/- 1/2
132-1920. Steam Turbines for Electrical Plant, Specification for	1/- 1/2	136-1920. Automatic Telephone Systems, Terms and Definitions for use in connection with	1/- 1/2
133-1921. Normal Type Vacuum Tungsten Filament Electric Lamps, Specification for	1/- 1/2	137-1922. Porcelain Insulators for Overhead Power Lines, Specification for	1/- 1/2
135-1921. Benzol for Motor Fuel, Specification for	1/- 1/2	138-1922. Materials and Construction for Fine Extinguishers, Specification for	1/- 1/2
136-1920. Automatic Telephone Systems, Terms and Definitions for use in connection with	1/- 1/2		
137-1922. Porcelain Insulators for Overhead Power Lines, Specification for	1/- 1/2		
138-1922. Materials and Construction for Fine Extinguishers, Specification for	1/- 1/2		

Report No.	Post free.	Report No.	Post free.
139-1921. Red Fir Wood Poles for Telegraph and Telephone Lines, Specification for	1/- 1/2	143-1922. Long Sweep Type Malleable Iron Pipe Fittings, for Steam, Water and Gas, Dimensions for	1/- 1/2
143-1922. Long Sweep Type Malleable Iron Pipe Fittings, for Steam, Water and Gas, Dimensions for	1/- 1/2	144-1921. Crosses for the Preservation of Timber, Specification for	1/- 1/2
144-1921. Crosses for the Preservation of Timber, Specification for	1/- 1/2	145-1921. Condenser Tubes and Screws for Marine Purposes, Specification for	1/- 1/2
145-1921. Condenser Tubes and Screws for Marine Purposes, Specification for	1/- 1/2	149-1922. Wrought Iron Wheel Centres for Electric Tramway Cars, Specification for	1/- 1/2
149-1922. Wrought Iron Wheel Centres for Electric Tramway Cars, Specification for	1/- 1/2	150-1922. Cast Iron Wheel Centres for Electric Tramway Cars, Specification for	1/- 1/2
150-1922. Cast Iron Wheel Centres for Electric Tramway Cars, Specification for	1/- 1/2	151-1922. Disc for determining the Illuminating Effect of Automobile Drying Lamps, Specification for	1/- 1/2
151-1922. Disc for determining the Illuminating Effect of Automobile Drying Lamps, Specification for	1/- 1/2	152-1922. Copper Conductors, Insulated Annealed, for Electric Power and Light, Dimensions (in Metric Measure) of	1/- 1/2
152-1922. Copper Conductors, Insulated Annealed, for Electric Power and Light, Dimensions (in Metric Measure) of	1/- 1/2	153-1922. Girder Bridges, Specification for (Parts 1 and 2, Materials and Workmanship)	1/- 1/2
153-1922. Girder Bridges, Specification for (Parts 1 and 2, Materials and Workmanship)	1/- 1/2	154-1922. Malleable and Soft Cast Iron Pipe Fittings, for Steam, Water and Gas	1/- 1/2
154-1922. Malleable and Soft Cast Iron Pipe Fittings, for Steam, Water and Gas	1/- 1/2	156-1922. Enamelled Plain Copper Wire for Electrical Instruments and Apparatus, Dimensions and Resistances of	1/- 1/5
156-1922. Enamelled Plain Copper Wire for Electrical Instruments and Apparatus, Dimensions and Resistances of	1/- 1/5	185-1923. Glossary of Aeronautical Terms	Grants -1/2
185-1923. Glossary of Aeronautical Terms	Grants -1/2	C.L. 7270. Screw Threads, British Standard Whitworth and their Tolerances (Superseding Nos. 20 and 38), Interim Report on	1/- 1/2
C.L. 7270. Screw Threads, British Standard Whitworth and their Tolerances (Superseding Nos. 20 and 38), Interim Report on	1/- 1/2	C.L. 7271. Screw Threads, British Association, with Tolerances for sizes Nos. 0 to 15 B.A. (Superseding No. 20), Interim Report on	1/- 1/2
C.L. 7271. Screw Threads, British Association, with Tolerances for sizes Nos. 0 to 15 B.A. (Superseding No. 20), Interim Report on	1/- 1/2	C.L. 8564-1920. Rubber Tyres for British Standard Rims, List of	1/- 1/2

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Report No.	Post free.	Report No.	Post free.
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3003-1922. Locks for Ship's Joinery Work, Specification for	1/- 1/2	3005-1922. Bolts, for Marine Purposes, Specification for	1/- 1/2
3004-1922. Hinges, Specification for	1/- 1/2		
3005-1922. Bolts, for Marine Purposes, Specification for	1/- 1/2		

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C.A. 3051-1922. Automobile Motor Cycle and Cycle Parts, Nomenclature for	1/- 1/2		

BRITISH ENGINEERING STANDARDS ASSOCIATION.

The Association exists for the purpose of drawing up British Standard Specifications for materials, machinery or apparatus. It does not, however, embark on such work on its own initiative, but at the specific request of an authoritative body such as a representative trade organisation, a technical society, or a Government department, and to fill a recognised want.

The Association is not a profit-making concern. Its only expenses are staff salaries, office expenses and printing. In addition to the Grants received from the Government and the amount derived from the sale of its Publications, it has to look to Industry as a whole for the funds necessary to carry on the work.