MODELLARS SIDECARS

1922

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129-131 CONYBERE STREET BIRMINGHAM, England



WALL SIDECARS

Pleasure, Speed and Commerce.

List No. 12

This List Cancels all our previous publications.

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Telephone 520 Midland. Telegrams: Watsonian, Birmingham. Cable Code: A B C 5th Edition.

Watsonian Folding Sidecar Co. Ltd.

Conybere Street, BIRMINGHAM, ENGLAND.

Personal

Watsonian N PRESENTING this Catalogue, we have endeavoured, by illustration and description to show you the mechanical perfection

and design of Watsonian Sidecars.

We have only arrived at this very high state of efficiency, by repeated experiments and costly experience which we now offer to our customers. The high grade and lasting finish which we claim Watsonian Sidecars to possess can only be judged by a visit to one of our stockists.

Weights in all cases are given from actual built up models taken from stock, and sizes are inside measurements unless otherwise specified. Prices quoted are for complete Sidecars with and without Tyres, but with all fittings ready to attach to machine. We provide crate, or fit to Motor Cycle at our works Free, but carriage in all cases is payable by customer. No extra charge is made for fittings to suit lugs incorporated in Motor Cycle Frames, with the exception of spring frame machines where special designed chassis have to be provided.

SERVICE - We have organised a special department for quick and efficient despatch of repairs and spares, which we claim to be the best in the trade.

Watsonian Sidecars have a reserve of strength without undue weight, pleasing lines, ample luggage accommodation, and comfortable seating positions.

Made from A to Z in our own factory, laid out only for the the manufacture of Sidecars.

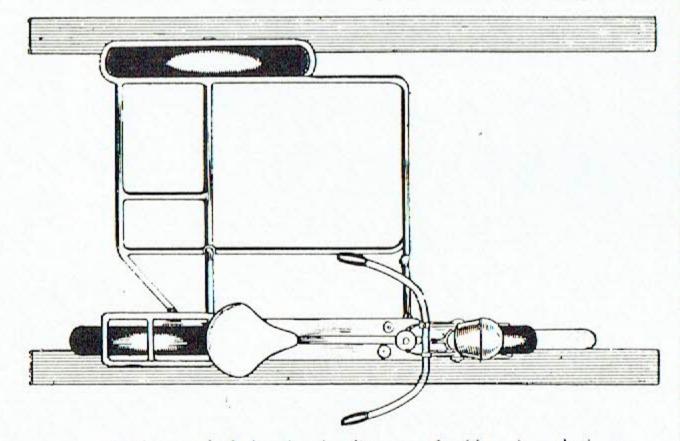
> A selection suitable for the most discriminating purchaser

Watsonian

Sidecar Efficiency

To Fit Sidecar.

Remove the fittings from the Sidecar which are provided for fixing to Motor Cycle, and loosely



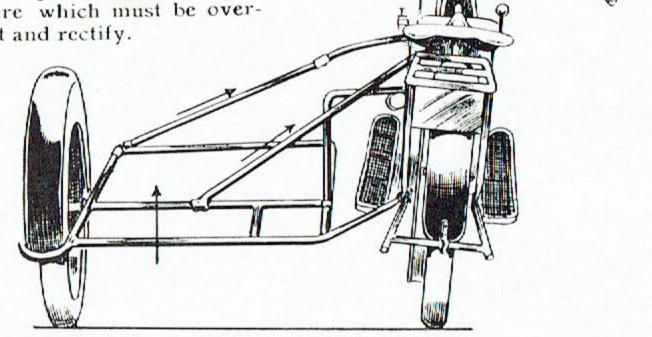
The best method of testing the alignment of a sidecar is to obtain two planks and lay them against the wheels.

attach to machine, screwing nuts only finger tight. The chain stay clip should be fitted first, as close as possible to back wheel spindle. Next fit the front connections clip as near as possible to ball head, after which knock out seat pin and insert longer one provided with fitting for seat arm. Bring sidecar to machine after fitting wheel, and loosely attach at chain stay, next attach at front connection, then seat arm, ignoring altogether 4th point attachment.

Correct Alignment is then attained by placing straight edges on each side of the combination as per illustration and adjusting by telescopic tubes at front and rear until parallel or about 1 in. narrower at front, with machine leaning slightly outward on level floor. Keep Sidecar close to Motor Cycle, the narrower the track easier for the engine. Tighten all bolts and lastly fit 4th point arm.

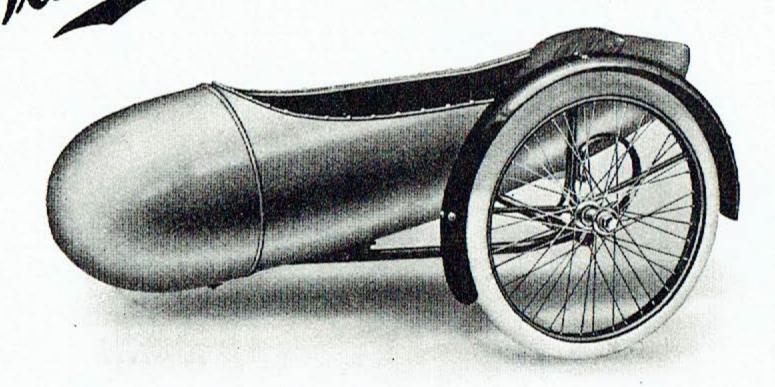
When combination is fitted up to your satisfaction, loosen nuts as if you were going to take off the Sidecar. If any bolts are difficult to draw or any attachment springs apart, there is undue strain somewhere which must be overcome, find out the fault and rectify.

An extra hour spent on fitting is never wasted. All nuts and bolts should be caretightened fully after the first run, particular attention being paid to the mudguard.



When the motor cycle is leant outwards slightly the sidecar chassis receives remarkable support. In the above illustration this is of course exaggerated.





FOR a considerable time past we have made a close study of Sidecars for attachment to low-powered Motor Cycles; the huge demand experienced from the trade and public is a clear indication of the success we have achieved with our Featherweight Models.

Whilst every effort has been made to obtain lightness, we have not committed the error of sacrificing strength or comfort—whilst the illustration speaks for the splendid general appearance

As with all Watsonians, the greatest care is exercised in the selection of material of which the Coach-built Featherweight is made.

SPECIFICATION.

WATSONIAN FEATHERWEIGHT MODEL A, is specially designed to offer least wind resistance. The body is built on selected American ash frame, covered with polished aluminium, giving great strength with minimum weight Back and seat upholstered in leather cloth. Length overall, 5 ft. 6 in.; length inside, 4 ft.; seat, 15 x 15 in; depth of back, 16 in. Weight. 18 lbs.

CHASSIS MODEL Q. see Specification, page 13. Weight, 42 lbs.

Price (Complete with $26 \times 2\frac{1}{4}$ Sidecar Tyre) - £17 10 0 Less Tyre ... £15 8 6



U LTRA Sidecar luxury often necessitates great weight, and motor cycles of from 3 to 3½ h.p. are apt to be thoughtlessly overburdened by the attachment of over heavy Sidecars.

This—the Watsonian Tourist—is specially constructed for 3½ h.p. to 4 h.p. motor cycles; it embodies all the essentials for luxurious travel—the body is long and roomy, low built, splendidly upholstered, luxuriously sprung, of graceful lines and handsome finish and has a door of sensible width. A combined luggage grid and petrol carrier can be fitted as an extra, as per illustration on page 14.

Withal its total weight is but 105 lbs., and it stands as the most moderately-priced "luxury" model on the market.

SPECIFICATION.

MODEL N.—Body built of best selected three-ply on ash frame. Door with pocket for maps, etc. Locker under seat. Weight, 40 lbs. Length inside, 4 ft. 6 in. Seat, 21 x 17 in. Depth of back, 22 in. Upholstered in leather cloth with spring back. First-class finish. Stock colour, Watsonian Blue. Any colour without extra charge.

COVER-ALL PONCHO STORM APRON COMPLETE WITH EACH CAR.

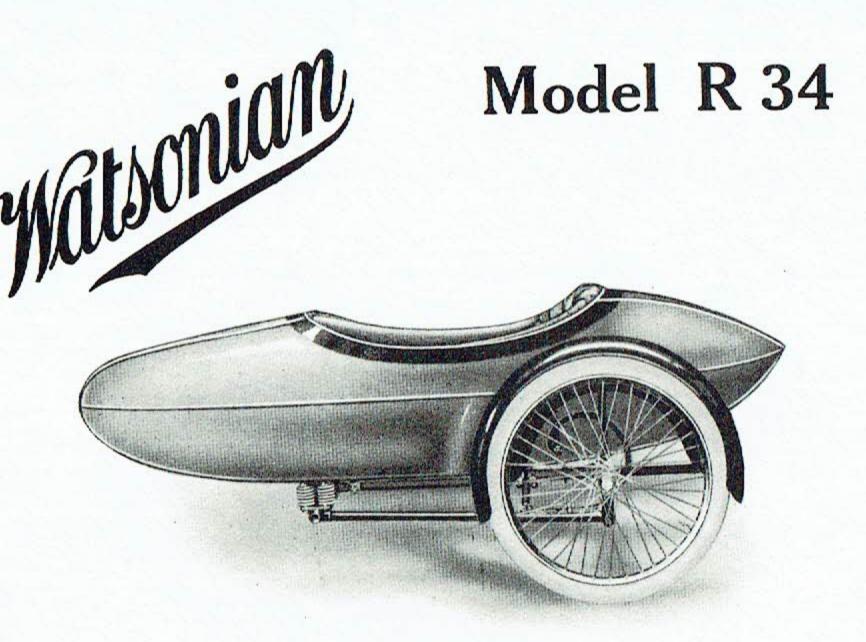
CHASSIS MODEL P.—Weight, 65 lbs. Attachment Fourpoint (see page 13).

Price | Complete with Cover-all Storm Apron and 26 x 2½ Sidecar Tyre)

 $\pounds 22 \quad 0 \quad 0$

Less Tyre ... £19 15 3

Luggage Grid, as illustrated on page 14, £1 10 0 extra.



THIS is a speedy wind-cutting car of original design particularly suitable for motor cycles up to 4 h.p. Whilst every effort has been made to reduce wind resistance to a minimum the importance of comfort has by no means been overlooked, resulting in a Sidecar of attractive appearance in which high speeds may be obtained with a maximum of comfort. Model R34 is particularly suitable for the super-speed man.

SPECIFICATION.

BODY.-Built of best selected three-ply on ash frame. Small locker under seat and roomy compartment in back, with accommedation for 2-gallon tin of petrol and spares. Weight, 44 lbs. Length inside, 51 in.; overall, 78 in. Seat, 18 x 15 in. Depth of back, 19 in. Upholstered in leather cloth with spring seat. First-class finish throughout. Colour, Watsonian Blue; any colour to order without extra charge.

CHASSIS MODEL P.-Weight 65 lbs. Attachment Fourpoint (see page 13).

(Complete with Cover-all Storm Price Apron and $26 \times 2\frac{1}{2}$ Sidecar Tyre)

£25 0 0

£22 15 3 Less Tyre . . .

10 0

Extra for Aluminium Step

J.C.J. Aluminium Dash and Celluloid Windscreen can be fitted at £4 10 0 extra.

> For motor cycles above 4 h.p. we advise Chassis Model U, at an extra charge of £2 10 0

THIS_a Semi-Sporting Model_is designed for the motorist who requires a comfortable touring body of attractive appearance. It will appeal strongly to the driver who does not wish to overburden his engine, and is acclaimed by all users as the ideal attachment for single cylinder 4 h.p. motors. It is cheaper and lighter than most Sidecars supplied by manufacturers of complete combinations, and we can supply with special fittings to attach to lugs incorporated in motor cycle frame without extra charge.

SPECIFICATION.

BODY. -Built of best selected three-ply on ash frame. Luxuriously upholstered in extra quality leather cloth, with spring back and cushion, roll edge and two pockets. Door of ample dimensions, locker in back accessible without disturbing passenger and capable of carrying large quantities of luggage. Weight, 46 lbs. Length, 48 in. inside; 70 in. overall. Seat, 16 x 16 in. Depth of back, 18 in. Stock colour, Watsonian Blue; any colour to order without extra charge

CHASSIS MODEL P.—Weight 65 lbs. Attachment Fourpoint (see page 13).

(Complete with Cover-all Storm Price Apron and 26 · 2½ Sidecar Tyre)

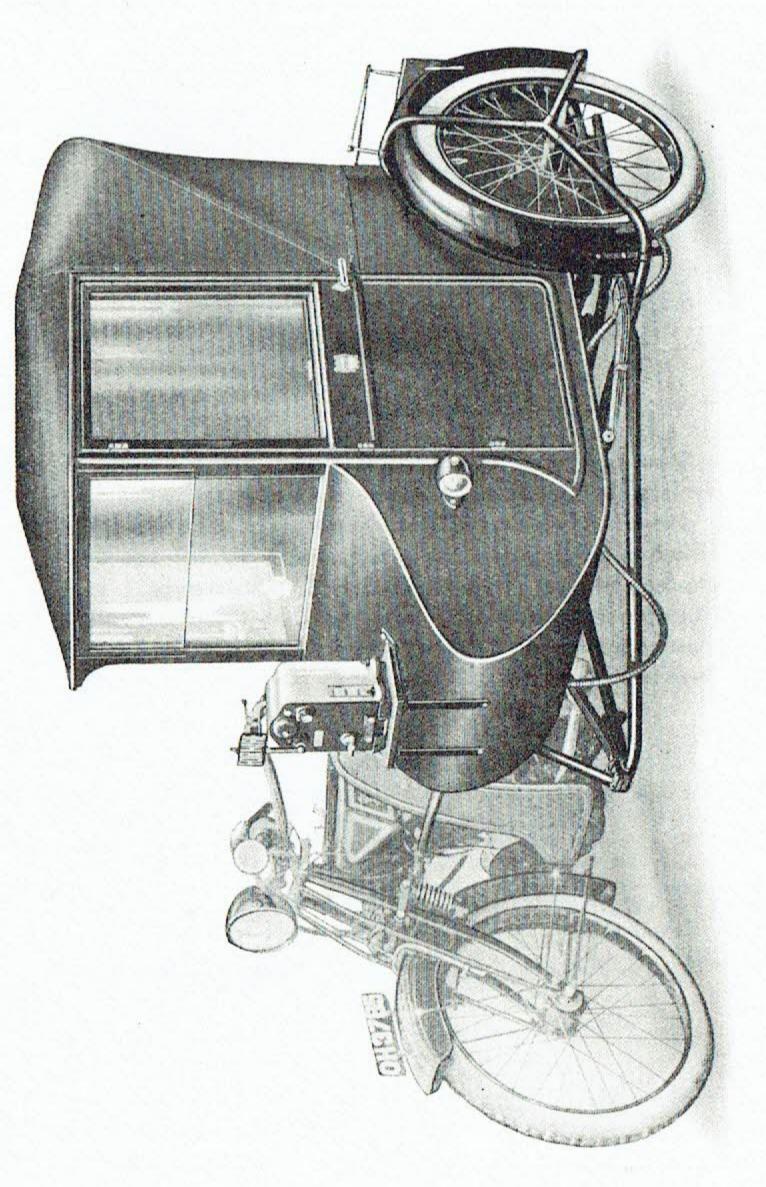
£26 0 0

Less Tyre ... £23 15 3

For motor cycles above 4 h.p. we advise Chassis Model U at an extra charge of £2 10 0

Watsonian

Watsonian Taxi Sidecar



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Watsonian

Watsonian Taxi Sidecar

WATSONIAN Sidecar Taxies are designed and built to withstand all conditions and strains imposed on a vehicle used for public hire. Comfort has been studied to a degree never before attained in Sidecar construction. A wide, deep and well sprung seat and back are provided, giving ample accommodation for two adults. A pocket is fitted for newspapers, etc., and the Sidecar is built to comply with the Birmingham Police Rules and Regulations adopted by the Watch Committee of the City. We are prepared to supply complete combinations guaranteed to pass Police Regulations of any town, or to fit Taxi Sidecars to customers' own Motor Cycles. Where this course is adopted it is advisable in all cases to have the Cycle at our works to build the chassis as a complete unit to the machine.

CHASSIS .- Main frame built entirely of double "D" section reinforced best quality weldless steel tube, giving 81 in ground clearance. Five points of attachment are provided and built to Motor Cycle making a complete unit.

SPRINGS. Semi-elliptic at rear and leaf springs at front, tested to stand abnormal loads.

MUDGUARD. - Domed, 5 in. wide, with deep valance.

STAND.—Stand provided.

WHEEL - Is provided with Sidecar, but chassis is built to suit interchangeable cycle wheel when required, which should be ordered with Motor Cycle.

BODY. - Landaulette type of body, built on best American ash frame, with top half of front screen to open. The window in door can be raised and lowered and the window near the machine can be lowered sufficiently to converse with the driver. Triplex Safety Glass is used throughout, ample seating accommodation is arranged for two adults side by side, and all adjustments for hood, windows and door are operated from inside.

COLOUR. - Any shade to suit customers' requirements.

UPHOLSTERY. Of superior quality leather cloth with deep spring seat cushion and back.

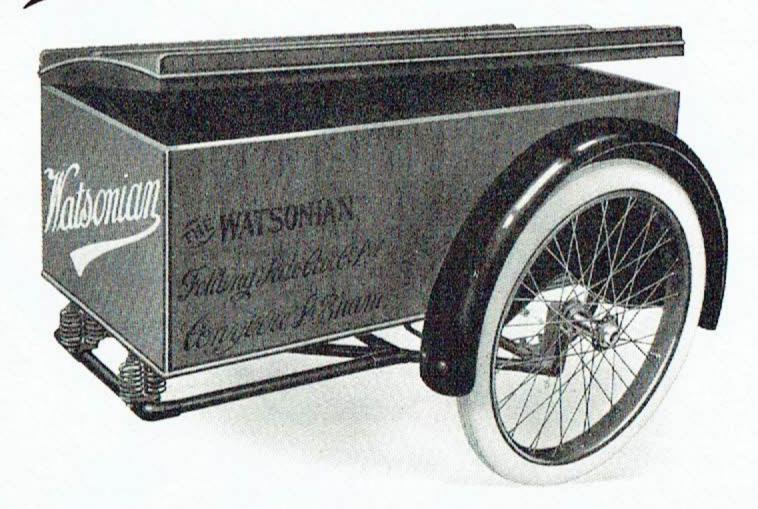
HOOD.—From the door post is arranged to open as required and is fitted into a metal recess, being draught and water proof when closed.

LUGGAGE.—A large locker is arranged at the rear for carrying spares, petrol and accumulators. The top is covered with aluminium, provided with strap staples and luggage rail.

SPARE WHEEL is carried at back.

Matsonian

Commercial Box



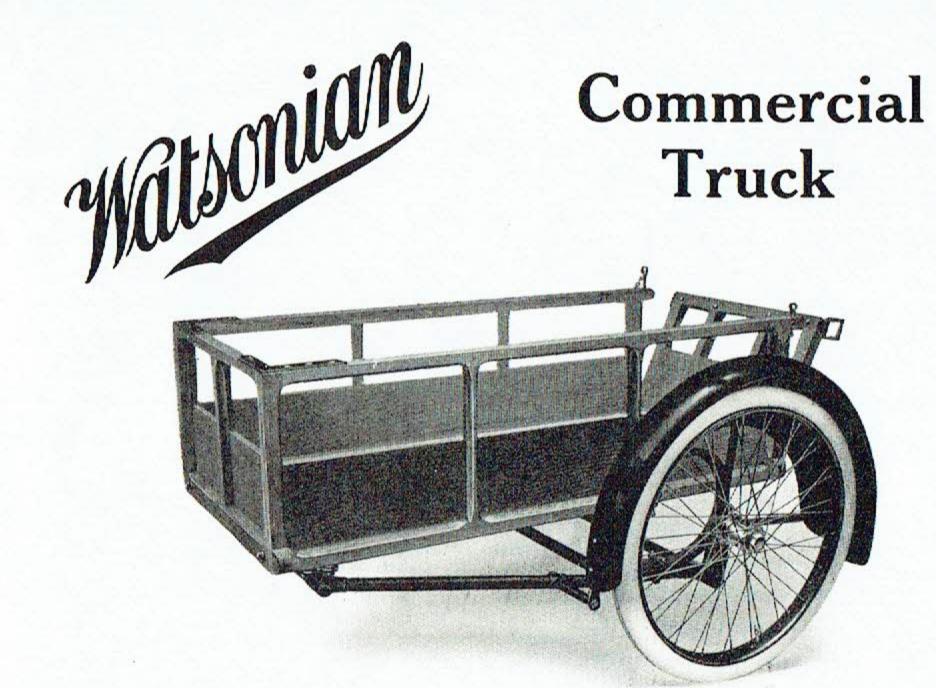
Commercial Sidecars are now recognised by the up-to-date tradesman as the most economical and expeditious method of transport. Whilst loads up to 3 cwt. may be safely carried, the springing is so arranged that fragile goods can be transported without fear of breakage. The advertising possibilities of a vehicle of this description cannot be too highly estimated and a well-written body serves as a running advertisement throughout the district in which you operate.

SPECIFICATION

BODY.—Built of best selected three-ply on American ash frame, with top only to open. Fitted with lock, key and chains, well-painted inside, and highly finished outside, in any colour to suit customers' requirements. Size inside measurements: 15 in. deep, 18½ in. wide, 47 in. long. Weight, 54 lbs.

	47 in. long. Weight, 34 los.						
CHASSIS MODEL U. Weight, 70 lbs. CHASSIS MODEL P.—Weight, 65 lbs.		For full specification see page 13.					
Price	(On U Chassis, complete with $26 \times 2\frac{1}{2}$ Heavy Studded Tyre) Less Tyre	- £21	- 15	£25	0	0	
Price	(On P Chassis, complete with $26 \times 2\frac{1}{2}$ Sidecar Tyre) Less Tyre	- £20		£22	10	0	

10



THE Truck illustrated above is designed specially for the farmer, and will accommodate two standard milk churns or small live stock.

Although primarily designed for the farmer this truck is eminently suitable for any tradesman requiring a vehicle for hard work, and is particularly adaptable for a builder, painter, plumber etc.

Although the two cars illustrated will serve for most trades, we are willing to quote for any design or to offer suggestions to anyone requiring a special vehicle.

SPECIFICATION.

An open body built of oak, reinforced with iron supports, with one end to open. Fitted with chain and peg fixing for back. Well painted inside and out, and finished any colour to suit various trades. Size inside measurement: 13 in. deep, 21½ in. wide, 46 in long. Weight, 49 lbs.

CHASSIS MODEL U. Weight, 70 lbs.

CHASSIS MODEL P. Weight, 65 lbs.

For full specification see page 13.

Less Tyre

 Price
 (On U Chassis complete with 26 × 2½ Hy. R. S. Tyre)
 £25
 10
 0

 Less Tyre
 ...
 £22
 5
 6

 Price
 (On P Chassis complete with 26 × 2½ Sidecar Tyre)
 £23
 0
 0

Extra if both ends open, £2.

...

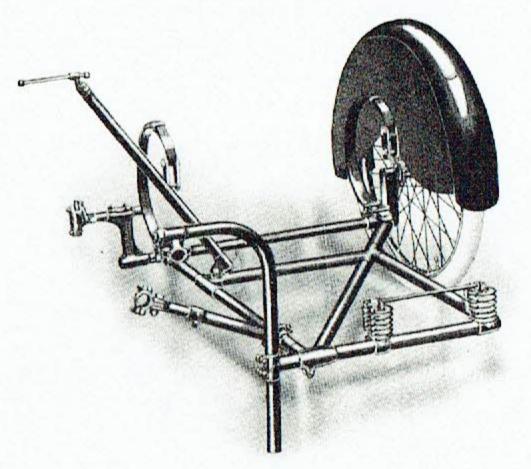
15 3

£20



Model Q

Price (Complete with $26 \times 2\frac{1}{4}$ in. Sidecar Tyre) £10 10 0 Less Tyre ... £8 8 6



Model U

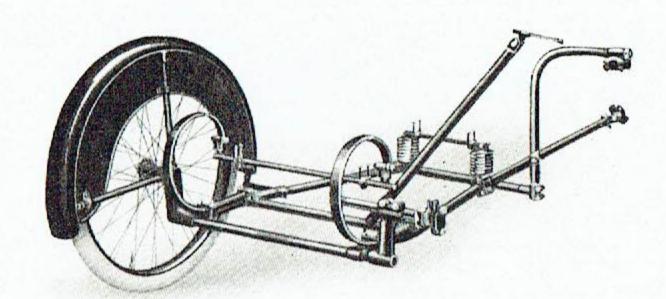
Pat. No. 26297/20

Price

(Complete with $26 \times 2\frac{1}{2}$ in. Studded Tyre or 28×3 in. Heavy Sidecar)

£15 10 0

Less Tyre, £12 5 6



Model P Pat. No. 26297/20 Price (Complete with 26 × 2\frac{1}{4} or \pm 13 0 Complete 26 × 2\frac{1}{2} in. Sidecar Tyre) \pm 13 0 Complete Sidecar Tyre) \pm 15 3

Chassis

Model Q.

As supplied with Watsonian Feather-weight Sidecar (see page 4).

A strong light-weight chassis, suitable for attaching to Motor Cycle up to $3\frac{1}{2}$ h.p.

Built entirely of $1\frac{1}{8} \times 14g$. tubing, with 1 in. solid steel spindle, British hub, 26×2 wheel, with rustless spokes. Two-leaf C springs at rear, with segment leaf spring at front

Three-point attachment, extra strong front and rear quickly detachable connections turned from steel. Weight 42 lbs.

Model U

Designed entirely on a triangulated principle. Built of weldless tube of gauges to withstand abnormal usage, particular attention having been paid to the axle, which is of the finest quality steel, reinforced with double section D tube. The wheel is built on extra wide hub, with oil retaining and grit excluding disc fitted. Four points of attachment are provided to cycle, of our own well-known design. Springing is effected with coil springs at front, 3-leaf C springs at rear, clamped down to brazed-on platforms. No arrangements are made on chassis for mudguard blade, but a 5 in domed guard, with side valance attached, is supplied with all bodies when fixed to this chassis. Weight 70 lbs.

This chassis can be supplied suitable for spring frame machines with right or left-hand kick starter at £1 5 0 extra.

Model P.

As supplied with "Tourist," R 34, "Monarch" and Commercial Sidecars (see pages 5, 6, 7, 10 and 11).

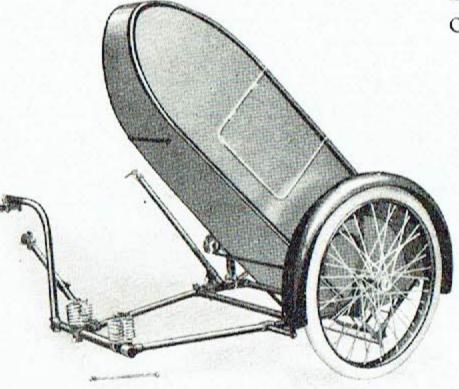
This is a chassis of exceptional strength, but its scientific design has enabled the weight to be kept within most reasonable limits. It has $4\frac{1}{2}$ in mudguard, with side curtain secured to chassis at three different points; short Cee springs at rear and coil springs at front; quick detachable joints, turned from steel rod; $26 \times 2\frac{1}{4}$ in. or $2\frac{1}{2}$ in tyre on wheel, with black rim, rustless spokes; British hub; 1 in. spindle. Well enamelled throughout and bright parts heavily plated; 4-point attachment and 5 in. drop axle. Weight 65 lbs.

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Luggage Grid £1 10s.

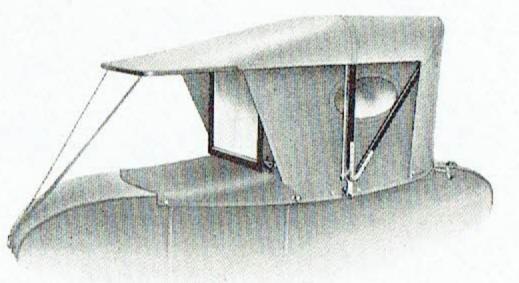
Complete with Petrol Tin Carrier.

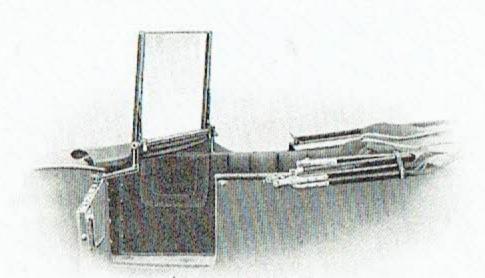


All Watsonian Sidecars with the exception of the Featherweight are fitted with quickly detachable spring bars back and front to allow of easy access to engine.

Hood Price £5

Complete with Side Curtains and Celluloid Window.





Wind Screen
Price £3

Complete with Short Apron.

Fits near passenger and automatically opens with door.

Matsonian

Extras and Replacements

Apron (Coverall poncho) £	0	17	6
Auxilliary Arm (short) with 14in, or 18in, clips	0	14	9
Bolts and Nuts, $1\frac{1}{2} \times 7$, 16in. Nickel Plated, each	0	0	6
Cameo Windscreen	3	0	0
Chain Stay Connection Clip (any section)	0	5	0
Chain Stay Telescopic Tube, complete with ratchet nut, Nickel Plated	0	7	0
Chain Stay Connection, to suit lugs incorporated in Motor Cycle Frames	0	5	6
Chain Stay Telescopic Tube with lug to suit fittings brazed on Motor Cycle Frame	0	7	6
Cone (inside) No. 3B Hub \	0	3	0
Cone (outside) No. 3B Hub	0	2	2
Cup (inside) No. 3B Hub		1	4
Cup outside No. 3B Hub Do not fail to give number	0	1	2
Cone inside No. 2 Hub when ordering replacements	0	2	2
Cone outside No. 2 Hub	0	1	7
Cup inside No. 2 Hub	0	1	2
Cup outside No. 2 Hub /	0	1	0
Discs (sheet steel), enamelled	1	7	6
Douglas Lugs, Nickel Plated for attaching standard fittings to pins incorporated in Frame	^		2
Daugles Short Arm guarrelled for attachment under foot heard	0	3	0
Door Handler Wielel Blotal	0	2	6
Besting Windsgreen (Standard Tupe)	4	10	0
Posting Windowson (Post Tomo)	5	10	0
Facting Windscreen (Raby Type) suitable for R31	3	10	0
Front Connection Clip anomaled this or thin	0	4	6
Hub Can Nickel Plated	0	1	6
I Breaksta to halt to hady straight or graphed	0	2	6
Mudguard, 4in., 3 arm with 1½ in. clip (enamelled)	0	13	0
Mudguard, 4½in. with Valance, 3 arm with 1½in. clip (enamelled)	0	16	6
Mudguard 42in, with Valance and all fittings for Model "P" Chassis (enamelled)	0	16	6
Mudguard, 5in with Deep Valance and fittings for attaching to Body (enamelled)	0	19	0
Press Buttons, N.P., complete with screws, each	0	0	1
Plug Nut (Front Connection), Nickel Plated, each	0	0	9
Rubber Buffer Shock Absorbers, each	0	0	3
Seat Arm, complete for "C" Chassis	0	19	6
Seat Pins, 14in. and 14in. ×5/16in. Nickel Plated, each	0	0	3
Spring Coil for Front Chassis (1921) each	0	0	8
Springs, Front, complete with eye bolt, enamelled, for 1920 Chassis, per pair	0	4	6
Spring, Small Check, for 1920 Chassis, each	0	0	3
Spring "Cee" Short 2 Leaf, (enamelled), per pair	0	13	0
Spring "Cee" short 3 Leaf (enamelled), per pair	0	15	0
Spring Compound, outer coil, enamelled with bolt	0	2	6
Spring, Compound, inner coil, enamelled with bolt and stem	0	1	6
Spanner (Watsonian)	0	2	6
Seat Pillar Pin with tongue attachment, Nickel Plated	0	2	3
Split Tongue Clip, enamelled 14 in. or 14 in	0	3	0
Square Bend, complete with front connection plug, enamelled	0	8	0
Square Bend with spring clip for telescopic tube, enamelled	0	7	9
Square Bend with special fittings brazed in to suit lugs incorporated in frame			
design	0	8	6
Square Bend, long, with special fittings for head of Scott Motor Cycle (enamelled)	0	13	6
Telescopic Tube (front) with Tee Clip, Nickel Plated	0	6	0
Turn Buttons, N.P. with Washers and Screws, each	0	0	4
Tyres, variation in standard charged at difference in makers list prices.			
Union Ratchet, Nut N.P., for Back Connection	0	2	0
Washer, Cotter Pin and Lock Nut for Wheel Spindle	0	1	0



Guarantee

We give the following guarantee with our Sidecars instead of the guarantee implied by statute, or otherwise, as to the quality or fitness of such machines for the purpose of beng attached to or used with Motor Cycles for riding; any such guarantee being in all cases of Sidecars which have been used for "hiring out" purposes, or from which our Trade Mark or manufacturing number has been removed, no guarantee of any kind is given or is to be implied. We guarantee, subject to the conditions mentioned below, that all precautions which

are usual and reasonable have been taken by us to secure excellence of materials and work-manship; but this guarantee is to extend and be in force for tweve months only from the date of such purchase, and damages for which we make ourselves responsible under this guarantee are limited to the free supply of a new part in exchange for the part of the Sidecar which may have proved defective. We do not undertake to replace, or refix, or bear the cost of replacing or refixing such new part. We undertake, subject to the conditions mentioned below, to make good at any time within twelve months any defect in these respects. This guarantee does not apply to defects caused by wear and tear, misuse or neglect.

The term "misuse" shall include amongst others the following acts:-

[1] The attaching of a Sidecar to Motor Cycle in such a manner as to cause damage, or calculated to render the Sidecar unsafe when ridden.

[2] The use of a Sidecar or of Motor Cycle or Sidecar combined when carrying more persons or a greater weight than that for which the Sidecar was designed by us.

[3] The attaching of a Sidecar to a Motor Cycle by any form of attachment not provided or supplied by us.

[4] The attaching of a Sidecar designed only for a given h.p. or weight, to a heavier or higher h.p. Motor Cycle.

We do not give a guarantee with any form of attachment to the Motor Cycle which is not made in accordance with our standard patterns as illustrated in our current catalogues.

Any Sidecar sent to us to be plated, enamelled or repaired, whether the repairs are required for the purpose of making good the defects before referred to or otherwise will be repaired upon the following conditions, i.e., we guarantee that all precautions which are usual and reasonable have been taken by us to secure excellence of material and workmanship, such guarantee to extend and be in force for twelve months only from the time such work shall have been executed, and this guarantee is in lieu of and in exclusion of any common law or statute warranty, and the damages recoverable are limited to the cost of any further work which may be necessary to amend and make good the work found to be defective.

Conditions of Guarantee. If a defective part should be found in our sent to us carriage paid, and accompanied by an intimation from the sender that he desires to have it repaired free of charge under our guarantee, and he must also furnish us at the same time the number of the Sidecar, which will be found stamped on axle tee lug, nearest chain stay attachment, the name of the Agent from whom he purchased, and the date of the purchase, or the date when the alleged defective part was replaced as the case may be.

Failing compliance with the above, no notice will be taken of anything which may arrive, but such articles will lie at the risk of the senders AND THIS GUARANTEE AND ANY IMPLIED GUARANTEE SHALL NOT BE ENFORCEABLE.

We guarantee only those Sidecars which are bought either direct from us or from one of our authorised agents, and under no other conditions.

We do not guarantee the specialities of other firms, such as tyres, lamps, etc., or of any component part supplied to the order of the purchaser differing from our standard specification, and supplied with our Sidecars or otherwise.

The Term "Agent" is used in a complimentary sense only. Those firms whom we style our Agents are not authorised to advertise, incur any debts, or transact any business whatsoever on our account, other than the sale of goods which they may purchase from us; nor are they authorised to give any warranty or make any representation on our behalf other than those contained in the above guarantee.

Term's of Business.

A Cheque or M.O. for 25 per cent. the value must be enclosed with all orders, and the balance on receipt

We do not hold ourselves responsible for damage in transit. Please examine consignment carefully on receipt, and claim in case of damage immediately to Company delivering goods. Repairs must be sent "Carriage Paid," with full name and address attached.

CRATES FREE. Export Packing Cases including packing, at Cost. Goods forwarded by cheapest route, "Carriage Forward."

Orders for abroad will be promptly shipped to nearest Port at lowest shipping rates (Carriage Forward) on receipt of same, with two-thirds of value in cash with order, balance collected against delivery.

All goods sent Carriage Forward Goods train, unless otherwise arranged. If goods are sent Passenger Train they are consigned at owners' risk, unless otherwise ordered.

The illustrations show general appearance, but are not binding in details, and all weights and measurements are as accurate as possible, but must be taken as approximate.

We reserve the right to alter design or price as occasion may arise without notice.

Reprint 1987 by M. Franitza