

1923 Preliminary List.



7-h.p. and 2|-h.p. Motor Cycles.



Junior Tourist Trophy Winner, 1914: 1920: 1921: 1922.

Senior Tourist Trophy Winner,

: 1921. :



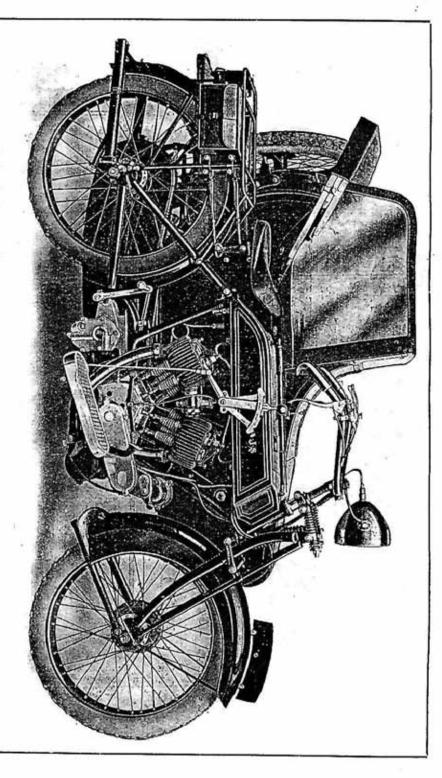
MANUFACTURED THROUGHOUT BY

### GRAISELEY HOUSE STEVENS CO. WOLVERHAMPTON. (1914)

' Fropit, Wolverhampton."

7.1.1

Telephone: 1166 Wolverhampton (3 lines).



#### Model "D" A.J.S. h.p. Passenger Combination.

Shown fitted with Side Screen "Lucas" MOTOR Electric Lighting Set, Spare CYCLE. Wheel, Tyre and Hood.

Brakes

Engline

Twin Cylinder (74x93 m.m. Bore and Stroke, 7999 958c c. capacity). Fitted with Detachable Heads Aluminium Pistons, Koller Bearings to Big Ends of Connecting Kods. Shock Absorber to Engine Shatt. Large Interchangeable mechanically operated Vaives Adjustable Vaive Tappets. Large efficient Silencer.

Forks

"Brampton" Patent "Biflex," built to our special instructions. Back and Front internal expanding pattern. Extremely powerful and smooth acting. Back operated by Foot Pedal on left-hand side of machine. Front by Pedal on right-hand side.

Protected design, with deep Rubber Tread and Heel Rest, made entirely of Rubber.

ritted to both wheels.

The Rear Stand is our patent

Tank Frame Carburetter

A M. A.C. Multiple Jet.

Ignition Lubrication

Best & Lloyd, semi-antomatic Hand Pump

Saddie pattern Supported from below on brazed on brackets. Fitted with Large Fillers for Petrol and Oil. Petrol injectors to Cylinders, Capacity--Petrol, 2/4gals. Scientifically constructed of Straight Tubing throughout,

Chain Cases

Chains

Gear Box

Our renowned Three-speed Bottom Bracket Gear Rail Bearings throughout, Operation by our Patent Gate Change-speed Lever, Gear Ratios, 5, 9, 16 to 1.

Fatent Multiple Plate, with Gork Inserts. Hand-con-trolled by Lever on left Handlebar. THE COKRECT

Horn Finish Saddle

Lucas Bulb Horn No. 60.

Lighting

Lucas "Magdyno" Bleetric Lighting Set, complete with Accumulator, Head, Side and Tail Lamps and Switch Box.

Weather proof entirely enclosing Chains "Hans Renold" extra strong Mutor Cycle. Thomson Bennet Magneto, Model A.C.V., enclosed type, Handlebar Control. Vernier Tuning Adjustment.

8 in.

Starting

Improved Design "Kick-down"
Rubber Covered Pedal. Entirely

Starter, fitted with

The new Brooks' B 600 laminated leaf spring, anti-vibratory. Large Pan Seat.

Finest Black Enamel, four coats, on Special Preventative process, including the Handlebars.

Rust

Tools

Carrier Stands Footboards

Steel tube, oxy-acetylene welded. Fitted with Pannier Bags with steel outer cases.

A Tool Roll with full kit of best quality Tools is pro-vided.

Wheels

Clutch

Tyres

Back and Front fitted with 700 x 80 m.m. Heavy Non-Skid Dunlop Tyres. A.J.S Patent. Both wheels are interchangeable and can be detached instantly.

Mudguards

Constructed of steel panelling. Beautifully upholstered. Seat and back fitted with springs. The standard equipment includes Stoum-proof Apron, Wind Screen, Side Screen, Side and Lamp. Ample room under seat for spare tin of petrol and oil.

Special understung type, the design of which enables a very spacious body to be fitted. Ground clearance, full 6 in.

Body

Wheel Chassis

Instantly detachable and interchangeable with wheels of Motor Cycle.

The F-ont Mudguard is of special design, giving perfect protection in the worst weather. Back Guard is 7 in wide. Both are fitted with Valance and Gutter. SIDECAR.

Weight

Measurements Registration

Ground Clearance, 6 in. Wheel Base, 4 ft, 9 in. Plates fitted ready for Painting.

Approx. 336 lbs.

Mudguard

Tyre

700 x 30 m m, Heavy Dunlop Non-skid.

5 in wide and fitted with Side-Shield, completely pro-tecting the passenger against mud and dirt.

Luggage Carrier Strongly made of metal. Very spacious, and is integral with the body.

Our standard colour is Black, from which no deviation can be made.

PRICE to Standard Specification £152: 10:0

(We reserve the right to modify or deviate from the above Specification without notice.)

On receipt of a

Postcard we

shall

be

pleased

6

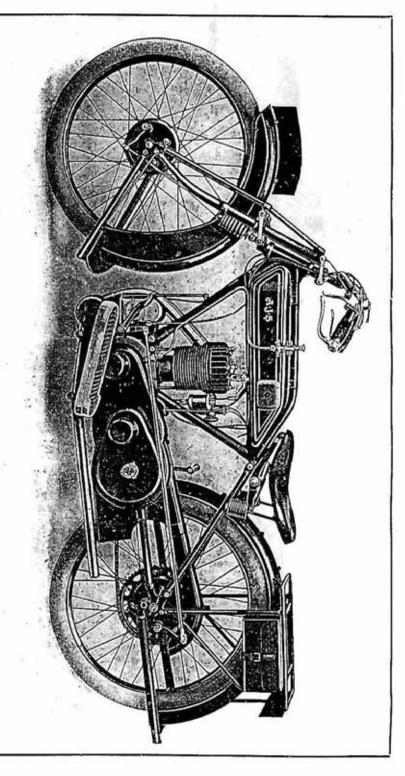
forward a

fully

illustrated

and descriptive

Catalogue.



#### $2\frac{3}{4}$ h.p. Three-Speed, Standard Touring, Model ᄧ

Fitted with All-Chain Drive •• Hand-Controlled Clutch Internal Expanding Front and Rear Brakes. .. Kick-Starter Quick Detachable Rear Wheel

Ignition Tank Engine Frame Chain Guards Chains Lubrication Carburetter ally Operation 9'3, and 14 to 1. A.J.S. Countershaft Three-Speed Gear, fitted throughout with Ball Bearings, Operated by our Patent Gate Change Lever. Ratios 5'5, "Hans Renold" \( \frac{1}{2} \) in. Pitch \( \times 5/16 \) in, wide. A Shock Absorber is fitted to the Engine "Lucas" Magneto. Semi-automatic Hand Pump. Semi-enclosed Type, giving easy access to the Improved Design. Scientifically Constructed. Single Cylinder (74x81 m.m. Bore and Stroke, 349c.c. capacity), fitted with Detachable Head. Aluminium Piston. Roller Bearing to Big End of Connecting Rod. Large Mechanically Operated Valves. Adjustable Valve Transmission. A.M.A.C. Efficient Cooling. It gal. Petrol, I qt. Oil. Handlebar Controlled. Lightness with Specification. Starting Finish Saddle Tool Cases Carrier Stands Footboards Handlebars Brakes Mudguards Finest Black Enamel, Four Coats Special Rust Preventative Process, in the Handlebars, only a few parts are Brooks' Improved Design Kick-Starter, Rubber Covered Pedal, gives Two Pannier Bags, with Full Kit of Tools. Joints. "Protected" Design of Solid Rubber. Touring Pattern. Latest Pattern "Druid." and smooth acting. Front and Rear Internal Expanding Type. Rear Brake operated by Pedal on left hand side of the machine, Front by lever on Handlebar. Both are extremely powerful Built of Steel Tubing, with Welded rection. Improved Design, affording "Kick-up" Type fitted to Front and B150 Special. , Four Coats fitted with

650 × 65 m.m. Hutchinson Heavy Rubber Studded.

Rear A.J.S. Patent Quick Detachable

Measurements

plated.

Wheel Base 4 ft. 51 inches. Height of Saddle 28 inches.

Ground Clearance 5 inches.

Approx. 214 lbs.

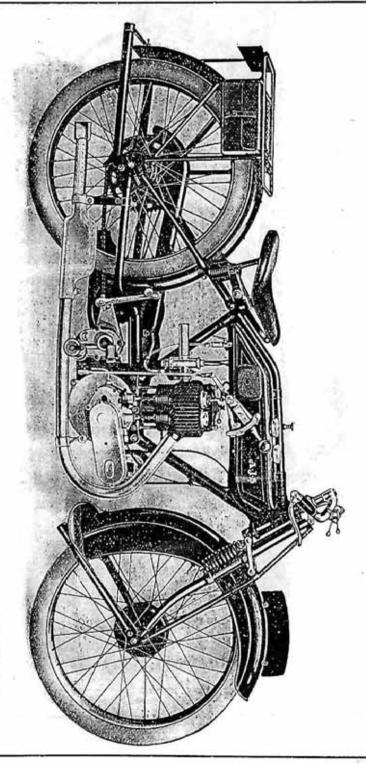
Hand-Controlled, Multiple Plate, with Cork

Wheels Tyres

Clutch

reserve the right to modify or deviate from the above Specification without nolice.

On receipt of a NOTE THE BROOKS' CANTILEVER SADDLE CAN BE FITTED TO THE ABOVE Postcard we shall be pleased to forward a fully illustrated and descriptive Catalogue. MODEL (See Price List).



he  $2\frac{3}{4}$  h.p. Three-Speed Standard Sporting Quick Detachable Rear Wheel Model

One of these models, absolutely Standard in every respect, and fully equipped, was officially timed by the A.C.U. Timekeeper on Oct. 28th, 1921, and lapped Brooklands at a speed of 6247 miles per hour (flying start) and 61 miles per hour (standing start.) Fitted with All-Chain Drive •• Hand-Controlled Clutch Hand-Controlled Clutch : Kick-Starter : Internal Expanding Front and Rear Brakes.

#### SPECIFICATION.

Tyres

Engine

Single Cylinder (74x81 m.m. Bore and Stroke, 349c.c. capacity) fitted with Detachable Head. Aluminium Piston. Roller Bearing to Big End of Connecting Rod. Large Mechanically Operated Valves. Adjustable Valve reciprocating parts are lightened. Aluminium Piston. August Mechanic-End of Connecting Rod. Large Mechanic-ally Operated Valves. Adjustable Valve Tappets Efficient Cooling. Fitted with large diameter Exhaust Pipe, carried to the rear. detachable

Carburetter A.M.A.C. Two-lever.

Tank Frame Scientifically Strength. Constructed. Lightness with I qt Oil.

Semi-automatic Hand Pump Improved Design. 14 gal. Petrol.

Ignition Lubrication "Lucas" Magneto. Handlebar Controlled.

"Hans Renold" 1 in. Pitch × 5/16 in. wide, A Shock Absorber is fitted to the Engine

Chains

Chain Guards

Gear Box

Semi-enclosed Type, giving easy access to the Transmission.

A.J.S. Countershaft Three-Speed Gear, fitted throughout with Ball Bearings, Operated by our Patent Gate Change Lever. Ratios 5'5,

9.3 and 14 to 1.

Wheels Clutch Flat Base Rims. I Quick Detachable. Inserts Hand-Controlled, Multiple Plate, with Cork Rear Wheel A.J.S. Patent

Forks Stands Mudguards Carrier

Handlebars

Foot Rests

Fitted instead of Footboards

Strong "Kick-up" Type fitted to Front and

Wheels.

"T.T." Racing Type.

Latest Pattern "Druid."

smooth bar.

Both acting.

extremely

powerful

Front and Rear Internal Expanding Type. Rear Brake operated by Pedal on left-hand side of machine. Front by Lever on Handle-

Special design, affording excellent protection

with minimum of wind resistance.

650 × 65 m.m. Hutchinson Studded.

Heavy Rubber

Tool Cases

Sturof

Two Pannier Bags, with Full Kit of Tools.

Built of Steel Tubing, with Welded Flush

Starting

Saddle

Finish

Finest Black Enamel, Four Coats on our Special Rust Preventative Process, including the Handlebars, only a few parts are Nickel-Brooks' B150 Special. starting Improved Design Kick-starter, fitted Rubber Covered Pedal, gives very

Measurements Wheel Base 4 feet 5½ inches.

Height of Saddle from ground 28 in.

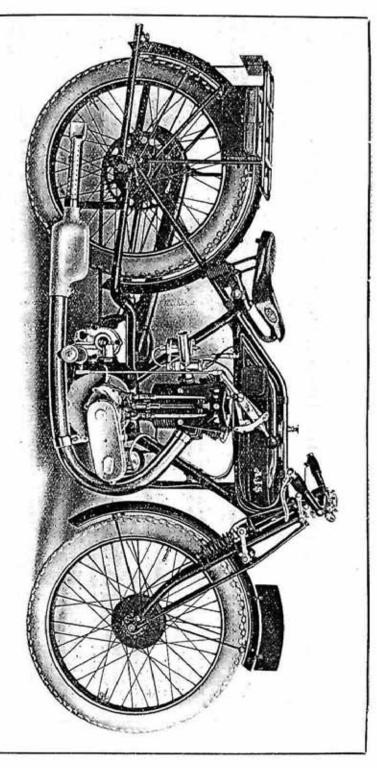
Ground clearance 5 in. plated. 5 in.

Approx. 210 lbs.

Weight

(We reserve the right to modify or deviate from the above Specification without notice.)

On receipt of a Postcard we shall be pleased to forward a fully illustrated and descriptive Catalogue.



#### The 243 h.p. hree-Speed Overhead Valve T.T. Model.

Fitted with All-Chain Drive ive: Hand-Controlled Clutch: Quic Internal Expanding Front and Rear Brak SPEED APPROXIMATELY 70 M.P.H. Quick Detachable Rear Brakes. Wheel

#### SPECIFICATION

Engine Frame Carburetter Single Cylinder (74x81 m.m. Bore and Stroke, 349c.c. capacity) fitted with Detachable Head. Aluminium Piston. Roller Bearing to Big Eud of Connecting Rod. Large Mechanically Operated Overhead Valves. Adjustable Tappets. Efficient Cooling. Large diameter Exhaust Pipe, carried to rear, with Detachable Expansion Chamber. All reciprocating parts are lightened, and the Engine is specially tuned and timed for hill climbs and speed events. Strength. A.M.A.C. Two-lever.

Scientifically Constructed. Lightness with

Lubrication Semi-Automatic Hand Pump. Improved Design. Il gal. Petrol. I qt. Oil.

Ignition "Hans Renold" in Pitch x !
A Shock Absorber is fitted to
Shaft. "Lucas" Magneto. Handlebar Controlled. Pitch × 5/16 in. wide the Engine

Chains

Chain Guards The top half only of the Chain is covered, providing easy access to the Sprocket and Transmission.

Gear Box A.J.S. Countershaft Three-Speed Gear, fitted throughout with Ball Bearings. Operated by our Patent Gate Change Speed Lever. The Gear Box is of the close ratio type, giving 5'52, 6'78, and 10'3 to 1, with a 21-tooth Sprocket.

Inserts. Hand-Controlled, Multiple Plate, with Cork

Clutch

Wheels Quick Detachable. Flat Base Rims. Rear Wheel A.J.S. Patent

Tyres

Studded. Hutchinson Heavy Rubber

Brakes Mudguards Straight Guards, without Side Valances

and smooth acting. Rear Brake operated by Pedal on left hand side of the machine, Front by Lever on Handlebar. Both are extremely powerful Front and Rear Internal Expanding Type. Rear Brake operated by Pedal on left hand

Forks

Latest Pattern, "Druid."

Handlebars T.T. Racing Type.

Foot Rests Fitted instead of Footboards.

Carrier Built of Steel Tubing, with Welded Joints. The Carrier can be detach speed events and hill climbs. Fitted to Rear Wheel only, "Kick-up" Flush type.

detached for

Tool Cases Two Pannier Bags, with Full Kit of Tools.

Starting No Kick-starter is fitted,

Brooks' B150 Special.

Finest Black Enamel, Four Coats on our Special Rust Preventative Process, including the Handlebars, only a few parts are Nickel-

Finish Saddie

Measurements Wheel Base 4 feet 5½ inches. Height of Saddle from groun Height piated. from ground, 5 inches. 28 inches,

Weight Approx. 204 lbs.

Ground Clearance

(We reserve the right to modify or deviate from the above Specification without notice.)

0 receipt of a Postcard we shall be pleased to forward a fully illustrated and descriptive Catalogue

#### Successes Ξ. Important Competitions, 1922.

The 7 h.p. Sidecar Combination and 21 h.p. Solo Model in Reliability Trials.

GLASGOW WESTERN M.C.C. NEW YEAR TRIAL, Jan 2nd. Five First Class Awards gained by the 2\footnote{1}\text{h.p. and 7 h.p.} Models.

Sutton Coldfield and North Birmingham M.C.C. Colemore Cup Trial, Feb 25th. Six Silver Medals gained by the 27 h.p. and 7 h.p. Models.

A.C.U. Stock Machine Trial, March 15th. Highest Awards gained by the 2½ h.p. Models. Two Special Certificates of Merit.

Birmingham M.C.C. Victory Cup Trial, March 18th. Six Gold Medals and Two Silver Medals gained by the 2½ h.p. and 7 h.p. Models.

EAST MIDLAND CENTRE A.C.U. ONE DAY TRIAL, March 25th. Two Gold Medals awarded the 7 h.p. and 24 h.p. Models.

Western Centre A.C.U. "Arctic Trial," April 1st. Special First Class Award gained by the 7 h.p. Combination.

M.C.C. London-Lands End Trial, April 14th-15th. Four Gold Medals and Two Silver Medals gained by the 2\frac{3}{4} h.p. and 7 h.p. Models.

Glasgow Western M.C.C. Easter Two Days' Trial, April 15th-17th. Won the Agents' Team Prize with the 23 h.p. and 7 h.p. Models. Also Best Performance by a private owner made on an A.J.S. 7 h.p. Sidecar outfit. Gained One Gold and Four Silver Medals.

NEWCASTLE & DIST. M.C.C. TRAVERS TROPHY TRIAL, April zznd. Gold Medal gained by the 2\frac{3}{2} h.p. Model.

FALKIRK AND DISTRICT M.C.C. RELIABILITY TRIAL, April 29th-May 1st. Best Performance in the Sidecar Class and Gold Medal.

Scottish Six Days' Trial, May 1st-6th. Won the Solo Team Prize with the 23 h.p. Model, also Seven Gold Medals.

NORTHERN CENTREA.C.U. RELIABILITY TRIAL, May 13th. The Barrow Trophy, Won by the 2\frac{1}{2} h.p. A.J.S. and Side-Car. Also Two Gold Medals awarded the 2\frac{1}{2} h.p. and 7 h.p. Models.

EDINBURGH & DIST. M.C.C. ONE DAY TRIAL, May 23rd. Five First Class Awards for no loss of marks to the 21 h.p. and 7 h.p. Models.

M.C.C. London-Edinburgh Trial, June 2nd-3rd. Nine Gold Medals awarded. Five gained by the 24 h.p. Models and Four by the 7 h.p. Combination.

MIDLAND CENTRE A.C.U. RELIABILITY TRIAL, June 24th. Gold Medal awarded the 7 h.p. Combination.

DARLINGTON & DISTRICT M.C.C. RELIABILITY TRIAL, June 25th. The President's Cup and Gold Medal won by the 7 h.p. Combination.

M.C. & A.C. Holyhead & Back Trial, July 7th,-8th. The Premier Award, The M.C. and A.C. Trophy gained by the A.J.S. 7 h.p. Combination for the best Performance in the Trial. Also the Jordison Trophy for the best Sidecar Performance and Gold Medal for Completing the Trial without loss of marks.

Swiss International Six Days' Trial, August 3rd-8th. Won the Manufacturers' Team Prize with the 7 h.p. A.J.S. Combination and Two 2½ h.p. Models. Awarded Three Gold Medals, including the Grand Medaille d'Or. Best performance in the 350 c.c. class made by the 2½ h.p. A.J.S. Also Best Performance of any Visiting Competitor.

A.C.U. English Six Days' Trial, August 21st-26th, Tied for the 1,000 c.c. Sidecar Team Prize with the 7 h.p. Passenger Combination and Second in the 350 c.c. Solo Team. The A.C.U. Reliability Premiership of England and Wales, and the Hopwood Prize gained by the 7 h.p. A.J.S. Sidecar Outfit for the Best Performance of any machine in the Trial.



V h.p. A.J.S. Sidecar Team which Tied for the 10 in the 1922 A.C.U. 6 Days 1000 c.c. Sidecar Team Prize

# A.J.S. Successes.-Continued.

Yorkshire Centre A.C.U. Reliability Trial, October 28th, Premier Award—The Ilkley Trophy (Gained by the A.J.S. for the Second Time in succession). Gold Medal and First-Class Certificate won by the 2\frac{1}{2} h.p. A.J.S. for the Best Performance of the Day.

# SPEED EVENTS WON BY THE A.J.S.

JUNIOR TOURIST TROPHY RACE, Isle of Man. May 30th. FIRST & SECOND places, FOURTH Consecution Victory.

PUBLIC SCHOOLS M.C.C. BROOKLANDS MEETING, Apr, 1st. First in the 350 c.c. Kilo Race.

CARMARTHEN & DISTRICT M.C.C. SPEED TRIALS, PENDINE, June 5th, First in the 350 c.c. 2½ miles Sprint Race.

Middlesbro' & District M.C.C. Saltburn Speed Trials, July 1st. Won the 20 Miles Championship and the Six Miles Race with the 2‡ h.p. A,J,S.

Liverpool M.C.C. Colwyn Bay Speed Trials, July 8th. 2 h.p. A.J.S. won the Baxter Trophy and Three Firsts.

Temple M.A. and C.C. 51 Miles Road Race at Bally-nahinch, Ireland, July 29th First Place and Special Prize for Fastest Lap gained by the 2# h.p. A.J.S.

Scottish Western M.C.C. Hill Climb, Aug. 5th. Six First Places and Fastest Time of the Day.

Welsh Open Speed Championship Trials, Pendine, August 7th, 24 h.p. A.J.S. Winner of the 10 miles (350 c.c.) Championship.

Neath and District M.C.C. Welsh T.T. Race, Pendine, August 8th. 23 h.p. A.J.S. First.

WISHAW HILL Climb, August 8th. Six Firsts gained by the 23 h.p. A.J.S.

LARKHALL & DIST. M.C.C. HILL CLIMB, August 19th. Thirteen Firsts gained by the 2\(^2\) h.p. A.J.S.

Ulster M.C.C. Magilligan Strand Speed Trials, Sep. 9th. 27 h.p. A.J.S. First in the 10 Miles Handicap and 5 Miles Scratch Race.

Montalto F.C. 50 Miles Road Race at Ballynahinch Ireland, September 16th. 27 h.p. A.J.S. First.

### OVERSEAS SUCCESSES.

Pretoria M.C.C. Handicap Trials, February 25th. 27 h.p. A.J.S. First.

Natal M.C.C. Speed Trials, May 27th. 2 h.p. A.J.S. First.

Rand M.C.C. 100 Miles Lightweight Trial, July 30th. 27 h.p. A.J.S. First and Winner of Trophy. Second Successive Victory.

Kadina (South Australia), 100 Miles Championship, April 15th. 2<sup>3</sup> h.p. A.J.S. First.

1922 Swiss Speed Championship. Won by the 23 h.p. A.J.S.

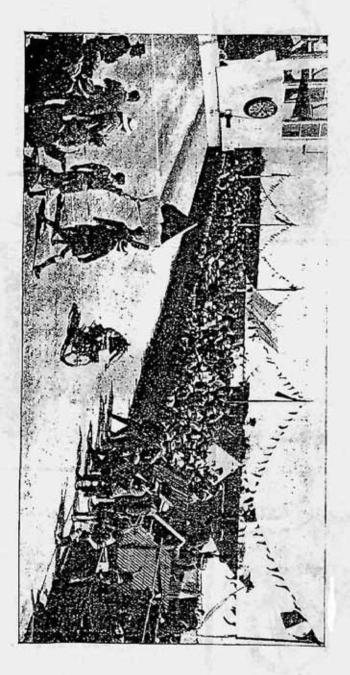
1922 Swiss Championship Endurance Trials, Three 24 h.p. A.J.S. completed the Trial without loss of marks.

Liege Hill Climb, May 7th. The Wallonie and John Bull Cups won by the 2\frac{1}{2} h.p. A.J.S. for the Outstanding Performance of the day.

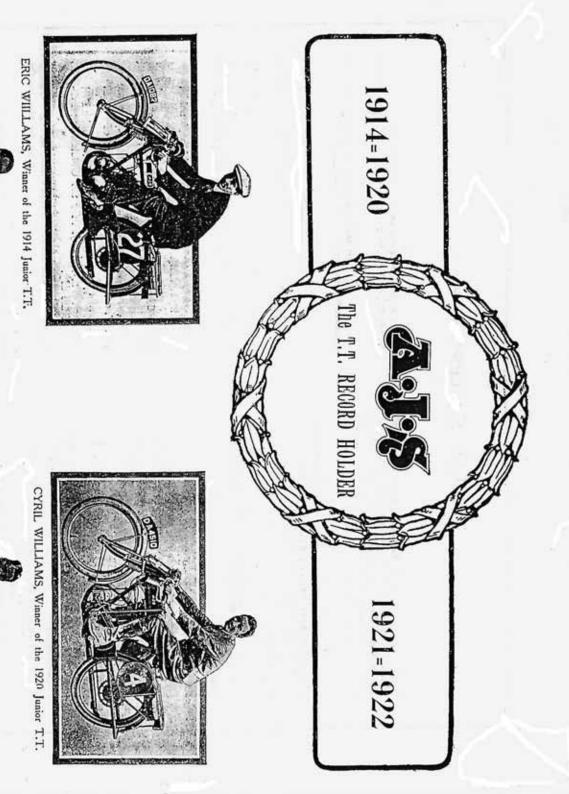
Moravia (Czecho Slovakia) Hill Climb, for the "Wander Prize"--The Premier Award of the year-won by the 2th.p. A.J.S.

Baden (Germany) Mountain Race of Pforzheim 23 h.p. A.J.S. First.

Race of Mannheim (Germany), 21 h.p. A.J.S. First and Second.



Mr. 7 Z. Sheard-23 h.p. A.J.S-Winner of the Crossing the Finishing Line. 1922 Junior T.T.





H. R. DAVIES, Winner of the 1921 Senior T.T.

## HISTORY IN THE RACES

COMMENCING with the year 1914, when the A.J.S. won the Junior Race for the first time, in addition to occupying 2nd, 4th, and 6th positions, their record in these Classic Races has been one long list of unbroken success.

In 1920 the A.J.S. Lightweight again won the Junior Event, and in 1921 the culminating triumph was achieved. In this year the A.J.S. had the unique distinction of winning both the Junior and intitis year the A.J.S. had the unique distinction of winning both the Junior and Senior T.T. Races with the same horse-power machine viz.: the 2½ h.p. model. The A.J.S. in the 1921 Races also set up new records for the course. The Junior Race was won in the record time of 3h 37m. 23s., for the 1883 miles, at an average speed of 52 miles p.h. A record lap was also put up by H. R. Davies at 55 m.p.h. A.J.S. machines also occupied 2nd, 3rd, and the data and the serior time of 3h and 3rd, and 3rd,



T.M SHEARD, Winner of the 1922 Junior T.T.

ERIC WILLIAMS, Winner of the 1921 Junior T.T.

## HISTORY IN THE RACES

In the Senior Race the 2½ h.p. A.J.S. covered the 226 miles in 4h. 9m. 22s. at an average speed of 54 m. p.h., or 13 min. faster than the winning 3½ h.p. machine of 1920.

The 1922 Junior T.T. Race was a repetition of previous years, the 2\frac{1}{2} h p. A.J.S. coming in 1st and 2nd. Records were again broken, T. M. Sheard, the winner, covering the course in 3h. 26m. 48s., at an average speed of 543m.p.h. faster time than 1921.

In the whole history of the T.T. Races nothing has approached the phenomenal and overwhelming Success achieved by the 2½h.p. A.J.S. Machines, and the result of the accumulated knowledge and ex-