The AUSTER SPRAYER

It's ruggedly built for rugged flying

The world's most effective

SIMPLE INSTALLATION
All parts of the pump, windmill and spray bars are easily accessible for on-the-spot inspection. Ease of access reduces cost of maintenance.

FROM COTTON spraying in the Sudan a major part in World agriculture. E of experience gained by previous Aus acres of crops. The Auster Sprayer that bog down tractors; it can also spr

Capable of spraying large areas in by insect pests, it is in fact the mos gained from thousands of Austers fl tenance problems resulting in an airc

Why should you operate the Auster Sp

Let us point out just a few of its ma best "buy" in aerial sprayers.

With its reliable 145 h.p. Gipsy Maj A large power reserve is available du too, when making turns at the end pilot during spraying and provide a leaves (as well as on the top surfaces). These give up to 3½ imp. gallons per ac

A 48 imp. (58 U.S.) gallon tank is in by two levers positioned within easy is obtained—invaluable for lining up

Safe operational dependability and qu in isolated areas. When the sprayin to further profit and used as a light f

ECONOMICAL

aerial sprayer

ıe Locust annihilation in East Africa the Auster Sprayer now plays
rmers and International organisations are rapidly taking advantage
rs converted to spraying duties. These have sprayed millions of
nd spraying is only one of its jobs) can operate under conditions
crops that are so wind blown that ground machines cannot be used.

day it is the ideal machine for checking sudden attacks upon crops
nobile piece of agricultural equipment in the world. Experience
n in war-time, has given its designers the "know-how" on main-
't easily capable of round-the-clock performance.

yer?

top line features, perhaps then you will understand why it is the

engine it will operate from tiny strips close to the spraying area.
ıg spraying, providing a high safety factor. This reserve is useful
spraying runs. Robust high lift flaps are fitted which assist the
rbulent downwash of slipstream depositing the spray underneath
For varying rates of coverage, 3 different sized nozzles are available.
without overlap, and much more if narrow run spacing is employed.

ılled in the rear of the cabin, the spray fluid from this is controlled
ach of the pilot. From the pilot's position a superb forward view
ıe aircraft on ground markers, and avoiding obstructions.

k simple maintenance, make the Auster Sprayer ideal for operating
season closes, the Auster Sprayer can then be turned from profit
ghter, a high speed business run-about or for private flying.

HIGH EFFICIENCY SPRAY BARS
Produced after months of practical testing, the long-life spra
with just the right number of nozzles to ensure a perfect sw
designed spray nozzles produce perfect atomization of chemi
then dispersed by slipstream and wing flap downwash. A
gives immediate cut-off of flow preventing
possible damage to adjacent crops.

ROOMY COCKPIT →

A handily placed vertical on-off lever, controls a cock governing the spraying fluid. The lower lever brakes the windmill, avoiding unnecessary wear.

For quick easy reference, a pump pressure dial is positioned at just below eye level on the instrument panel. The cockpit sides, seats and doors are finished in hard wearing vynide, to resist mould and insect attack. For easy entry the wide cockpit doors incorporate a special "stay-open" spring mechanism.

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HIGH EFFICIENCY SPRAY BARS
Produced after months of practical testing, the long-life spray bar is fitted with just the right number of nozzles to ensure a perfect swath. Cleverly designed spray nozzles produce perfect atomization of chemicals which are then dispersed by slipstream and wing flap downwash. A shut-off cock gives immediate cut-off of flow preventing possible damage to adjacent crops.

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★ **Effective swa**
★ **Rugged steel**
★ **Superb forwa**
★ **No ground**
standing crop
★ **Handily pla**
allow the pilo
flying.

. LOW INITIAL COST . . . SUITABLE FOR MANY OTHER AGRICULTURAL FLYING

USED BY THE UNITED NATIONS

To combat Locusts in the Middle East Auster Sprayers have been purchased by the Food and Agricultural Organisation of the United Nations. These radio-equipped sprayers are completely destroying any Locust swarms they intercept.

VERSATILE TOO

Unrivalled in its capacity for hard work the Auster Sprayer can be modified quite simply to perform an unlimited number of tasks including — Crop-dusting, aerial photography, 4 seat passenger and liaison duties, flying ambulance work, aerial survey and light freighting etc.

SPECIFICATION

CONSTRUCTION

Power unit: 145 h.p. (147 c.v.) Gipsy Major 10 engine.

Fuselage: Welded steel tubing, fabric covered.

Wings: High-wing, braced to fuselage by streamlined struts. Wood spars. Light alloy and steel ribs. Fabric covered.

Ailerons: Slotted type. Light alloy ribs, wood spars. Fabric covered.

Fuel System: One 16 gall. (73 litres) tank in wing root (an additional 16 gall. tank is fitted in the other wing root for ferrying purposes).

Oil system: 3 gallons (13.6 litres) tank.

Flaps: Split trailing edge type. Light alloy skin.

Tail unit: Welded steel frame. Fabric covered. Horn-balanced rudder and elevators.

Landing gear: Welded steel tubular frame, with rubber shock absorber cords.

Tail wheel: Fully castoring with solid electrically-conductive tyre.

DIMENSIONS AND LOADING

Span	36′ 0″ (11m.)
Length	23′ 2″ (7m.)
Height (propeller horizontal, tail on ground)	6′ 6″ (2m.)
Tailplane span	10′ 0″ (3m.)
Wheel track	6′ 0″ (1.8m.)

Wing gross area 185 sq. ft. (17.14 sq.m.)

Maximum A.U.W. 2,350 lbs. (1,066 Kg.).

Wing loading at 2,350 lbs.: 12.7 lb./sq.ft. (62Kg./sq.m.)

Power .. .. 145 h.p. (147 c.v.)

Power loading at 2,350 lb.: 16.2 lb./h.p. (7.2 Kg./C.V.)

Spray tank capacity: 48 Imp. gallons (58 U.S.) (218.2 litres).

PERFORMANCE

Maximum cruising speed (at 2,350 lbs.): 93 m.p.h. (149.7 km./p.h.)

Take-off run (at 2,350 lbs., in 5 m.p.h. wind): 230 yds. (210.3 m.)

Landing run (at 2,350 lbs.): 130 yds. (118.8 m.)

Effective swath width (aircraft flying 5 ft. above the ground): 45 ft. (13.7 m.)

Recommended spraying speed range: 50 m.p.h. to 75 m.p.h (80.5 km./hr. to 120.7 km./hr.)

Average cruising fuel consumption: 7½ to 8 Imp. gallons./hr. (34.1 to 36.4 litres per hour.)

(Fuel consumption during spraying will be less depending on the operational technique employed.)

AUSTER AIRCRAFT LIMITED, REARSBY, LEICESTER, ENGLAND.

Telephone: REARSBY 321-6 Telegrams and Cables: AUSTER LEICESTER.

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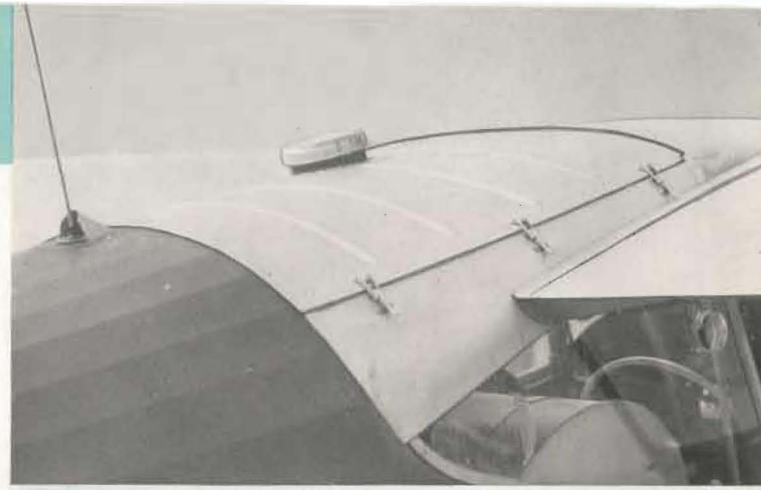
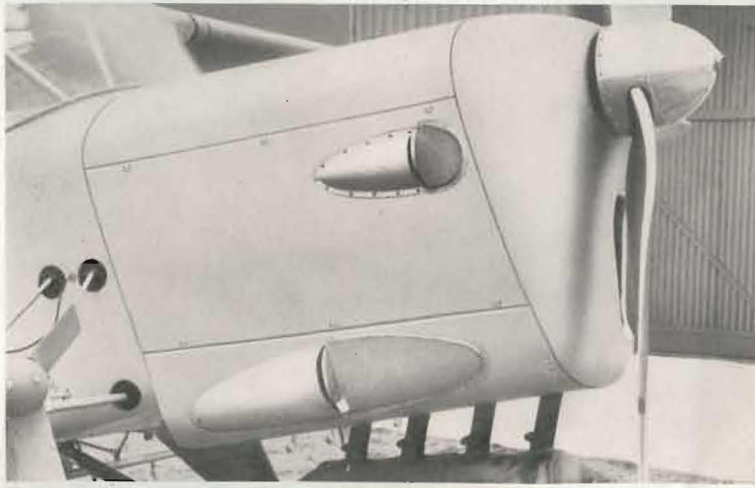


CONVENIENT LOADING

The easy-fill neck has a built-in filter and a quick-release cap. The top canopy is specially reinforced to withstand damage when filling the tank. Forward of this canopy a wide-vision perspex top is fitted: giving the pilot an uninterrupted view when making steep turns—just another standard safety feature of the Auster Sprayer.



MAINTENANCE EASED

Ease of engine accessibility is assured by a liberal use of quick release cowls. Both engine and accessories can be quickly uncovered, making maintenance far easier than that of an average automobile. The air intake anti-locust guards seen here can be supplied as optional extras.