

★ KOLLSMAN ★

synonymous with precision

Its dependability established through the years, the Kollsman name signifies the ultimate in craftsmanship and engineering skill. In the fields of instrumentation and remote control — especially where a pressure-sensitive element is the prime mover — Kollsman has no peer.

Aircraft Instruments and Controls
Varying Resistance Pickups • Flight Test Instruments

•
Special Purpose Miniature Motors

•
Optical Instruments
Binoculars • Periscopic Sextants • Optical Components

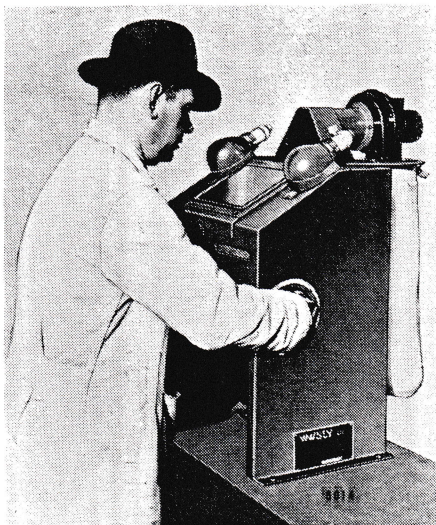
•
Remote Indicating and Control Systems
as functions of
Air Speed, Altitude, Acceleration,
Mach Number, Differential Pressure, etc.

*For precision and dependability
look to*

KOLLSMAN
INSTRUMENT CORPORATION
Elmhurst, New York • Glendale, California

IN CANADA:
Ontario Hughes Owens Company, Ltd., 527 Sussex Street, Ottawa, Canada.

RL.896-1957
ing with finger-tip pressure. It is claimed they will not pop, peel or curl even in extreme changes of heat and humidity. E-Z Code fluid Line markers are available in standard symbols and codes to conform to the new international AND-10375 as well as AAF-27643 and can be produced to desired size and printing specifications.



SANDBLAST CABINET

A new sandblast cabinet for cleaning dies, tools, pistons, piston rings, valves and other small parts has been introduced by The W. W. Sly Manufacturing Company, 4700 Train Ave., Cleveland, Ohio.

It includes two light fixtures for illuminating the interior, an exhaust fan and a dust bag for making the operation dustless.

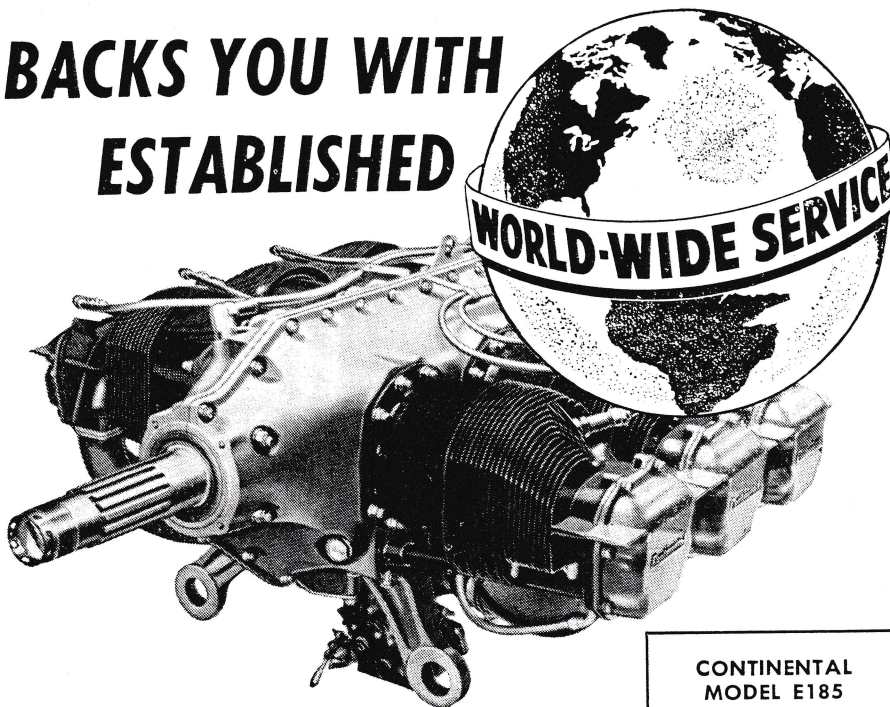
Its primary use is for cleaning small metal parts by the use of soft abrasives, such as ground corn cobs or ground nut shells. These will thoroughly remove all surface impurities without scoring the metal. It can also be used with sand or metal abrasives.

It has two rubber sleeves for both arms of the operator, with rubber gloves attached. It measures 14 in by 17 in, and can be placed on a work bench, connecting it to a compressed-air line and to a 110-volt lighting circuit for the lights and the exhaust fan.

JET FUEL INJECTOR

A combined igniter-fuel injector with improved starting qualities for combustion systems is in the process of development at A. V. Roe Canada Limited, Malton, Ont. It will be used

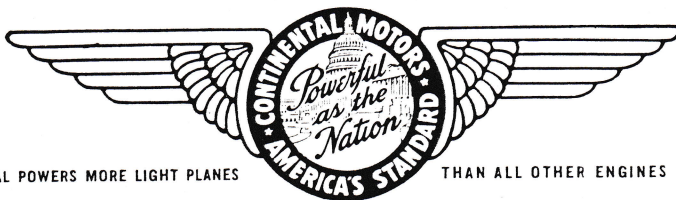
ONLY CONTINENTAL BACKS YOU WITH ESTABLISHED



CONTINENTAL MODEL E185

471 Cu. In. Displacement
185 h.p. at 2300 r.p.m.

The fact that Continental aircraft engines hold all major performance records doubtless has much to do with the preference they enjoy. But at least equally important from the standpoint of owner and pilot is Continental Motors' unreserved acceptance of the obligations which that preference has imposed. This attitude is reflected in Continental Motors' maintenance of parts and service facilities wherever people fly. You may not have occasion to use them this trip, or next—but it's reassuring to know they're always there ahead of you, waiting to speed you on the way.



CONTINENTAL POWERS MORE LIGHT PLANES

THAN ALL OTHER ENGINES COMBINED

Continental Motors Corporation
Aircraft Engine Division
MUSKEGON, MICHIGAN

in the combustion chambers of gas turbine engines like the Orenda.

Normally such systems have a series of supply jets which direct fuel into vaporizer tubes leading into the centre of the combustion chamber. Since these tubes extend into the flame zone, the fuel inside them is vaporized before combustion, thus giving better mixing with the air. In form, these vaporizer tubes resemble walking sticks: the crook on their ends serving to eject the vaporized fuel upstream into a region of stable flow for better mixing with the air.

In the Avro Canada starting system designed by F. D. M. Williams, an igniter and an auxiliary injection jet are mounted centrally in the baffle by which the vaporizer tubes are supported. By this construction a flame from the auxiliary jet is provided for "lighting up" and this flame will play on the vaporizer tubes, furnishing the heat necessary to vaporize the fuel before the normal combustion and self-vaporizing process has started.



CRADLE FOR POURING

The GS easy-pour tilter No. 15 provides a safe and easy method of pouring liquids from cans into small containers. Built on scientific lines, it is designed to prevent accidents caused by spilling, splashing and carelessness in pouring liquids.

The cradle is made of steel, fits any standard five-gallon can. All members are riveted or welded to insure a strong and durable device for this purpose. Excellent for mixing or pouring. Just pour together the ingredients you wish to mix, a few rocking motions of the "Easy-pour" and the content is thoroughly mixed. Further information from General Scientific Equipment Co., 2700 W. Huntingdon Street, Philadelphia 32, Pa.