



Barling Bomber, World's Greatest Plane, Soon May Be Surpassed

WILL the coming summer see new records in the conquest of the air—surpassing even the amazing feats of airplane construction and operation of a year ago?

The giant bomber shown above, designed by Walter H. Barling and success-

fully tested at McCook Field, Dayton, Ohio, last summer, still retains its place as the largest airplane in the world. Yet the United States Army Air Service is reported to have planned the construction of other planes of similar type, but still larger!

With a wing spread of 120 feet, this giant is said to be capable of carrying enough explosives to wreck any modern city. Its fuselage is 55 feet long and 10 feet in diameter. Driven by six 450-horsepower Liberty engines, it is designed to fly at not less than 90 miles an hour.

Manifold Inlet Valve Is Designed to Save Gas

ADMITTING air directly into the manifold in front of the butterfly valve of the carburetor, a new gasoline saver—an inlet valve—is claimed to effect unusual economies.

It is attached to the vacuum tank connection and extends over the engine block. When the motor is cold, the valve remains tightly closed, permitting a start on a rich mixture. But as the engine warms up, the heat causes a thermostat in the valve to open gradually. The hotter the engine, the leaner will be the mixture entering the carburetor.

The attachment can be installed in a few minutes, and is claimed not to decrease the power from the engine. It is easily adjustable.



Adjusting the inlet valve attachment



Three Wire Legs Safeguard the Creeping Baby

THE baby can crawl, but he cannot fall backward, if he is wearing this new guard. Three wooden balls on three sturdy wire legs that support a padded belt fastened about the baby's body.

Advise Diet of Sea Fish to Prevent Goiter

GROWING girls should eat sea fish and shell fish, particularly oysters, clams, and lobsters, several times a week, advises the United States Fisheries Service, for these foods have a high content of iodine, useful in preventing goiter, to which girls are susceptible.

Medical science says that goiter is caused by the failure of the thyroid gland in the neck to function, because the body is not receiving sufficient iodine. Epidemics of goiter usually are traced to insufficiency of iodine in drinking water. For this reason many communities have added iodine to their water supplies.

All-Season Door Contains Interchangeable Panels

SCREEN doors in summer and storm doors in winter—without touching the hinges. This feat is said to have been made possible by interchangeable door panels lately placed on the market.

Turning four screw locks a quarter of a turn each attaches a panel to the door frame or releases it when it is to be removed. This operation is said to require less than half a minute.

A wide variety of panels is available, providing an all-season combination door. No planning nor fitting of panels is required.



Removing the storm panel for summer