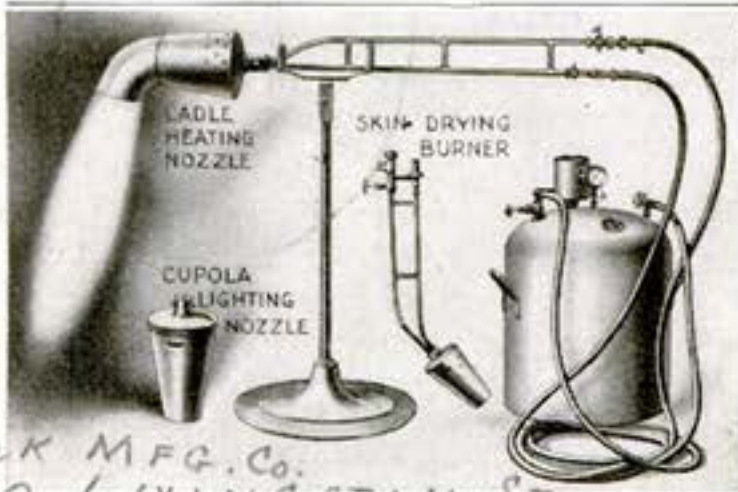


water, while its draft when under way is but 2 in. The builders propose to substitute a more powerful but lighter motor of the rotary type which their tests lead them to believe will drive the glider at more than 30 miles an hour. The craft is so constructed that ice runners can be substituted for the floats.

2832 —

FOUNDRY BURNER HAS SPECIAL FEATURES

A portable burner for lighting cupolas in foundries, heating ladles, etc., is now being manufactured, in which are combined a number of desirable features. The burner consumes crude oil, kerosene, or distillate which is discharged in a fine spray produced by compressed air that is pumped into the tank. Three nozzles are included with the outfit, one for skin-drying molds, one for heating ladles, and the third for lighting cupolas. A stand



HAUCK MFG. CO.
140 LIVINGSTON ST.
 A Burner for Foundries Which Consumes Crude Oil or Kerosene and is Equipped with Three Interchangeable Nozzles
BROOKLYN, N.Y.

is provided to support the burner when heating a ladle. The tank is equipped with a safety valve, which automatically shuts off the oil supply in case the hose is accidentally cut. The outfit is comparatively light and can be moved about easily.

3209 —

CAMERA FOR AEROPLANES OF MILITARY TYPE

A camera recently introduced to the attention of military airmen takes a 4 by 6-in. photograph every four yards during the flight of an aeroplane, and

INV: → A. J. MOTT LAU

can keep up that rate for a considerable length of time, according to the inventor. It is designed for use with army machines. An airman flying over the



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 Camera Designed for Use with Aeroplanes, Taking Photographs Every Few Yards during Flight

enemy's lines could thus obtain photographs showing details of the scenes below that would not be visible to the eye of the keenest observer.

— 3250

SIMPLE TIRE CARRIER FOR MOTOR CARS

Spare tires carried on the side of a motor car are generally regarded as unsightly and *Hoover Spring Co., Inc.,* they are often in the way. Hence the growing tendency in favor of rear-end tire carriers. A new carrier of this type, which has lately made its appearance in the West,



TURK SE
SAN FRANCISCO

holds one or two tires in such a manner that there is nothing in contact with them to chafe the casing, no straps, chains, or pans being used. A simple system of toggles or arms is used to hold the tires firmly in place, and a padlock protects tires and rims from theft. To remove a tire it is necessary only to unlock the padlock and push in the toggles, no tools being required.