



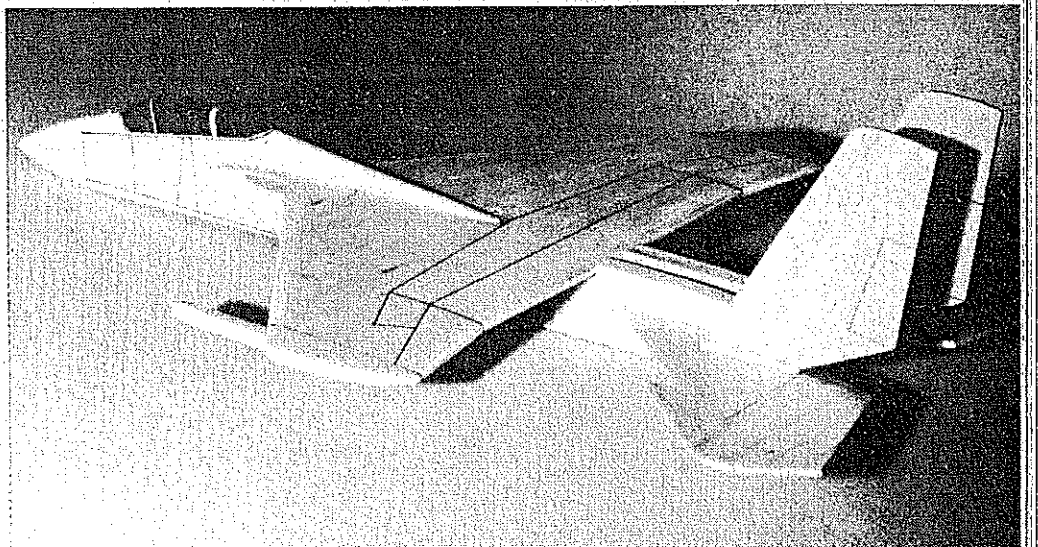
Whip Control//EAGLE

Fly the Air Force's great F-15 Eagle fighter through all sorts of maneuvers—without a noisy engine to fuss with. And there's a bonus—it's an excellent way to train for control line.

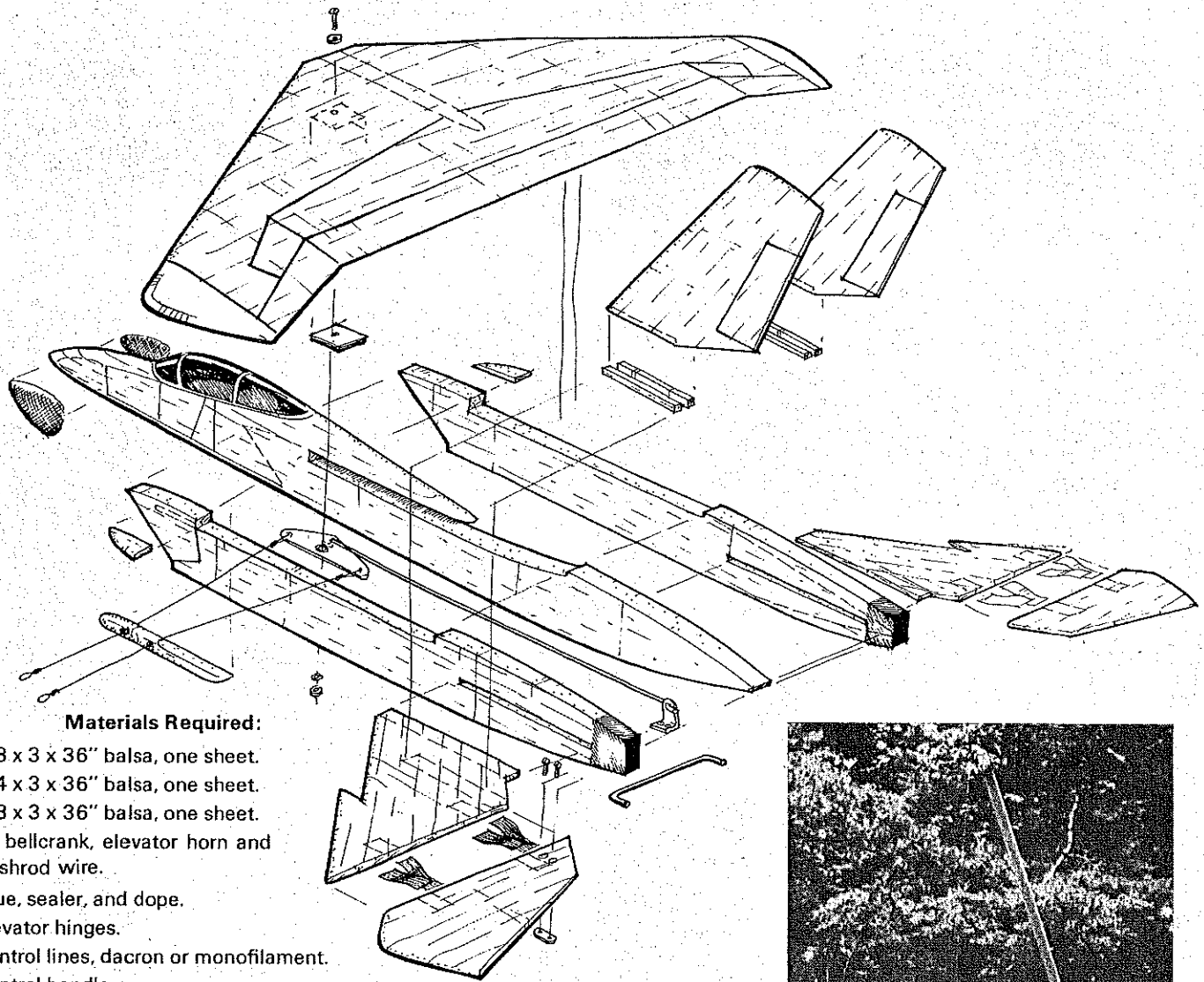
■ John Hunton

THIS F-15 Eagle whip model represents one of the most basic forms of control line flying. As well as providing the thrill of controlled flight through a surprising number of maneuvers, this whip-powered airplane is an excellent trainer for control-line flying.

Jim Walker, the inventor of U-control, produced whip powered kits for models of



Flying the Eagle is freedom from the trouble of engines. In flight the little F-15 creates its own realistic sounds. Below: It's really not difficult to make your ship look as well as ours. It is finished with sealer and clear dope with felt-tip pen markings and yellow wing tips.



Materials Required:

- 3/8 x 3 x 36" balsa, one sheet.
- 1/4 x 3 x 36" balsa, one sheet.
- 1/8 x 3 x 36" balsa, one sheet.
- 2" bellcrank, elevator horn and pushrod wire.
- Glue, sealer, and dope.
- Elevator hinges.
- Control lines, dacron or monofilament.
- Control handle.
- Modeling clay. Long pole.

the Aircobra and Mustang in the 1940's, so this concept is not new. With the whip model there is no engine to start, throw oil, burn fuel, or make noise, so perhaps this is the time to look at the whip model again.

With the lack of suitable, economical jet engines on the market there has been a lack of interest in flying models of the jets. The jet provides an ideal subject for a whip model.

The subject chosen is the F-15A by McDonnell-Douglas. The F-15 Eagle was conceived to outperform any fighter in existence or on the drawing board. The Eagle is now in operation and has been called the best, most maneuverable fighter ever built.

Cut out all of the shapes indicated on the plans, noting the direction of the grain. Provide two each of the engine nacelles, fins, elevators, stabilizers and fillets, and four fin doublers.

Glue the wing and stabilizer joints together as required. Sand all sides and edges flat and true with a sanding block, then round the edges indicated on the plan. Taper the wing trailing edge to 1/8" from the

top and bottom.

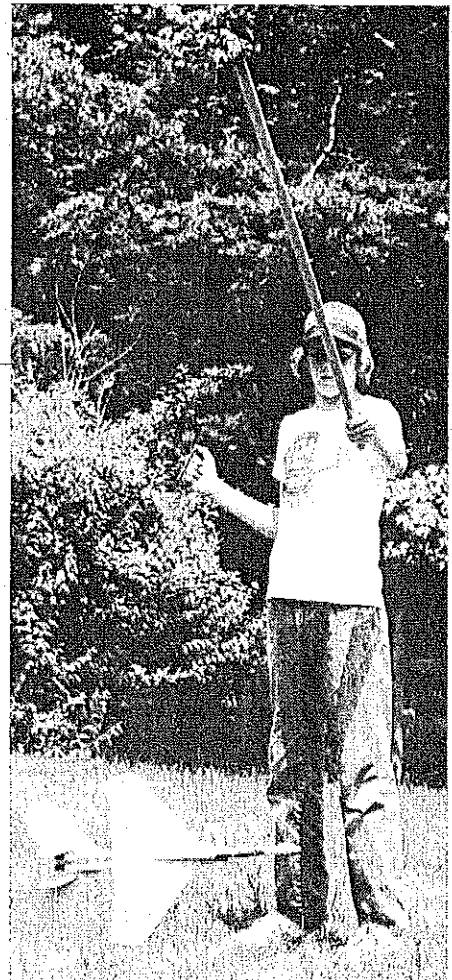
Mask off all contacting surfaces then prime, sand and prime again, sanding lightly. Put on ruled lines with a felt tipped pen using a straight edge.

Assemble the airframe with white glue. Place line guide on left tip for counter clockwise flight.

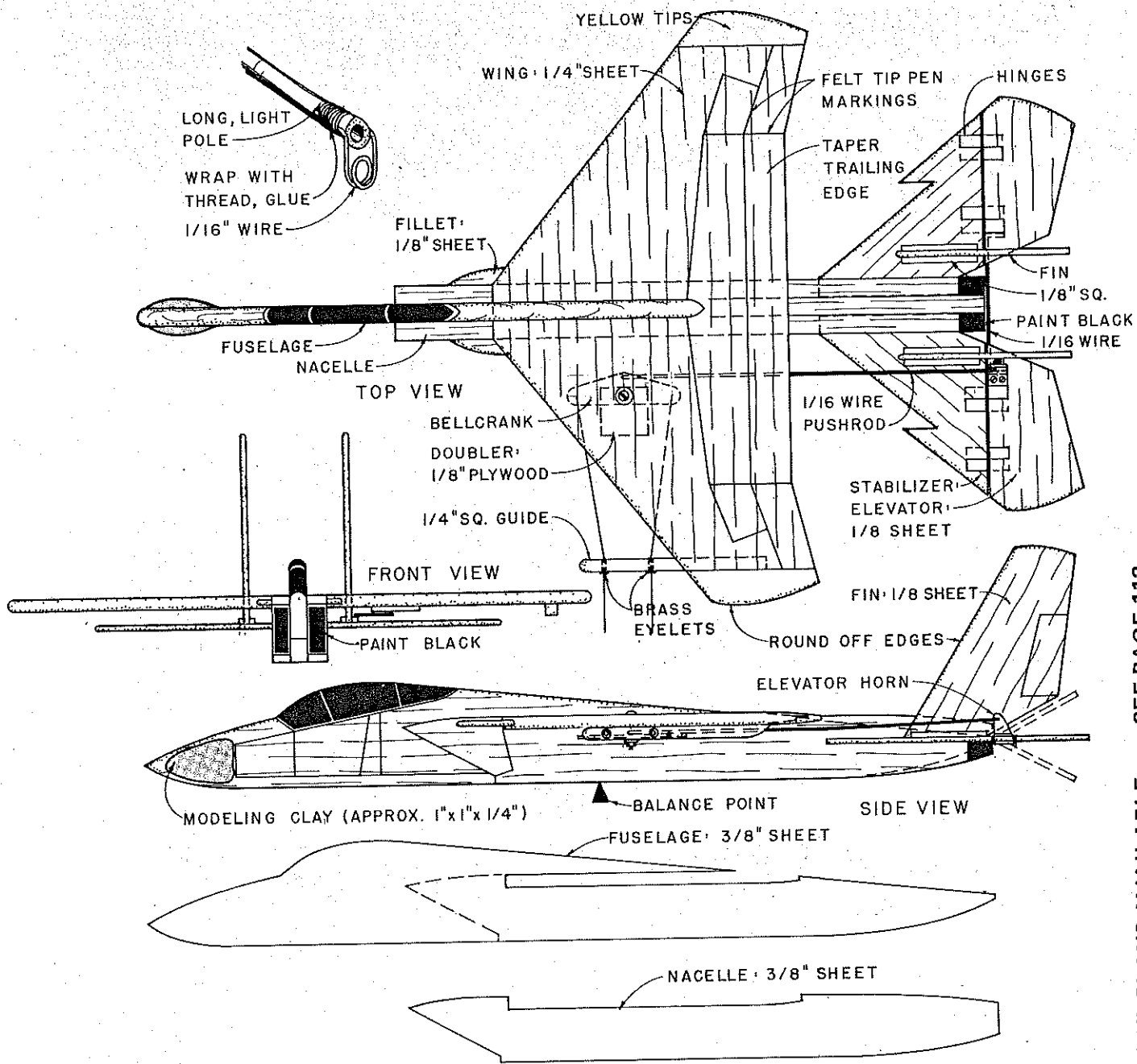
Add paint trim and a final coat of dope or spray. Install the control system, then add modeling clay to the nose to bring the balance point to the position shown on the plan. Hook up the controls so that pulling back on the top of the handle gives you up.

Find a pole, the longer and, lighter the better. For first flights make certain that your line length is so that you can raise the pole and have the model clear the ground. You will never crash the model but may get dented shins. Begin flying with the controls hooked up to give the least sensitive output. Over controlling will lead to stalling.

For clockwise flight grasp the pole in your left hand and the control handle in your right. Begin whipping to the left and



By using a whip pole you can avoid contact with the ground and control speed better. Dizziness can be conquered with practice. Anyone can have fun piloting this fighter.



F-15 EAGLE WHIP POWERED CONTROL LINE MODEL

JOHN HEATH HUNTON

FULL-SIZE PLANS AVAILABLE ... SEE PAGE 112

the plane will erect itself.

You will tend to get dizzy quickly. Do not overdo it. You will get used to turning but you must get in shape slowly (even world class control-line fliers like J. E. Albritton get dizzy if they have not flown for a while). Of course, as you gain proficiency, you can use longer lines and turn slower, and when you learn to fly inverted (controls reversed) then you can easily unwind.

A word of caution: this F-15 model can be flown extremely fast so exercise care with your lines and know where bystanders are.

You will quickly be able to do wingovers and loops. Keep the wind at your back and it will help you. Enjoy the F-15.

