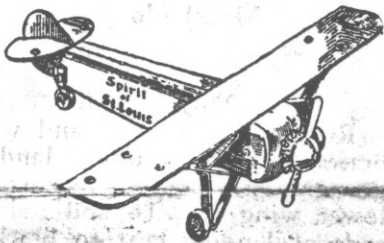


Spirit of St. Louis



Model No. 1

"SPIRIT OF ST. LOUIS"

First, take body pieces No. 17, set right and left in position, place rudder in slot in rear. While these parts are held in place, take screw No. 21, run it through center hole in rear brace No. 18, then insert screw through rear body, being sure to match up with hole in rudder, after which add the second rear brace No. 18. Put on the nut and tighten, keeping braces in vertical position. Now add stabilizer No. 3, by placing it flat on top of fuselage, then sliding it toward rear in the slot between rudder and fuselage. Bolt together with No. 26 screws and nuts, after which add screw No. 25 and wheel No. 10A to complete rear of plane.

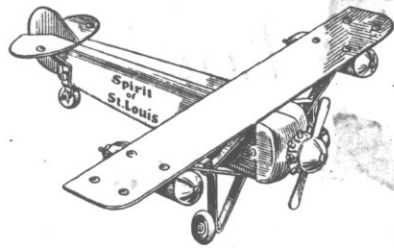
Next, take upper wing No. 13, which you will note has eight small holes (the lower wing having extra slots is not used on this model). Lay wing across top of front end of fuselage and bolt wing braces No. 16 in place, add-

ing small brackets No. 12 on either side, from upper part of cabin to center hole in each side, bolting to cabin first as other end of bracket attaches landing gear No. 11. By matching up the holes in the landing gear with those on lower end of bracket and the center of either side of front wing brace, you are ready to add the wheels which is done by placing wheel on bolt No. 25, then a nut next to wheel, then insert bolt through hole in landing gear, fastening with a second nut, then tighten. This permits the wheel to revolve freely.

Now you are ready for the engine, etc.

Take engine frame No. 6, insert a screw, No. 8, in each of the nine openings (the heads of screws to be on inside of frame); after all the screws are in place insert cup or thimble No. 9, (open side first) to keep them in place. Now that the engine is ready, take nose part No. 4 run screw No. 23 through tip of nose all the way, then slip bushing No. 7 over screw into nose, after which propeller No. 1 is slipped over bushing; then slip the engine (smooth side front) over the screw and bolt on front of cabin No. 5. Bolt cabin to front of plane, with screw No. 22.

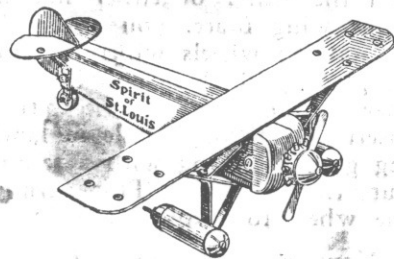
You now have a plane such as used by Lindy on his flight to Paris.



Model No. 2

"MONOPLANE with two auxiliary gas tanks"

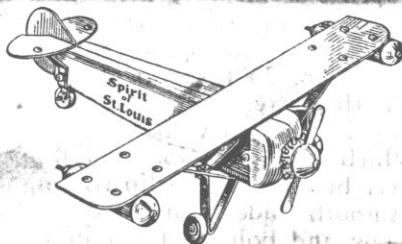
Remove propellers and engines from extra motors, replacing nose on the back of hoods No. 19.



Model No. 3

"SEAPLANE"

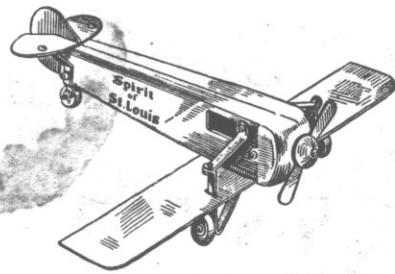
Remove wheels and attach the tanks instead of the wheels to make the seaplane.



Model No. 4

"BOMBING PLANE"

Attach tanks to bottom side of wing in outside holes.

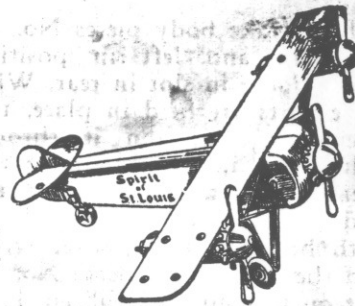


Model No. 5

"BREMEN"

MONOPLANE

Remove upper wing and wing braces No. 16, slipping landing gear No. 11 through slots in lower wing No. 14 and bolting ends of landing gear to brackets No. 12. Also remove motor from front of cabin, leaving only the nose No. 4, bushing No. 7 and propeller.

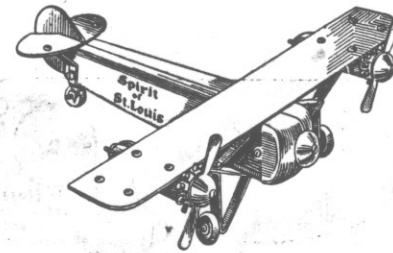


Model No. 6

THE AMERICA

Tri-motor Fokker—the ship Lieut. Commander Byrd flew across the Atlantic in.

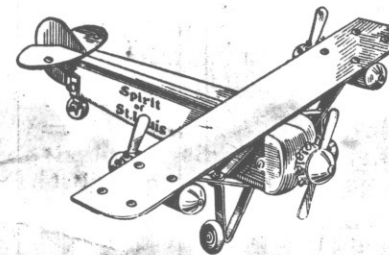
Add the two engines, which are assembled the same as the main engine, using nose, bushing, propeller and motor, after which motor hood No. 19 is bolted under upper wing, using same screws and nuts that are now in place at ends of wing braces. Now slip end of screw on which engine is assembled, through the hood and add a nose No. 4 on rear.



Model No. 7

"FOKKER PLANE"

To make a two-motor monoplane, remove front of cabin. Unscrew, taking out engine, thimble, propeller and bushing, bolting the nose only to front of cabin and put back in place.

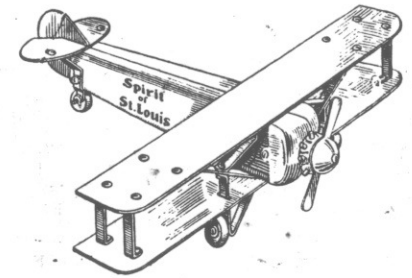


Model No. 8

"DE PINEDO'S
AROUND THE WORLD
PLANE"

"MONOPLANE with 1 pull and 2 push motors"

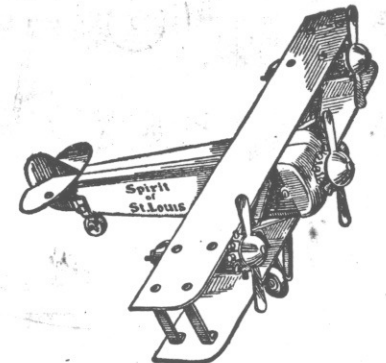
Replace engine and propeller on cabin—then reverse the side motors so propellers and motors are back of wing bushing.



Model No. 9

"WACO ONE MOTOR
BI-PLANE"

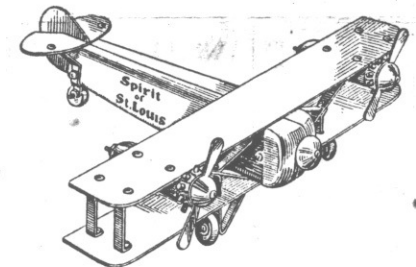
Add wing braces No. 16 and upper wing using wing ties No. 20 on each corner to fasten wings together.



Model No. 10

"KEYSTONE 3 MOTOR
BI-PLANE"

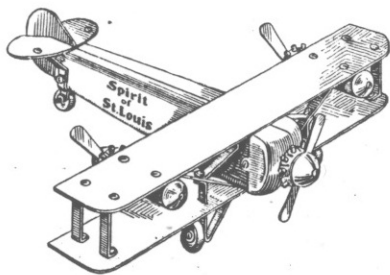
Add two side motors.



Model No. 11

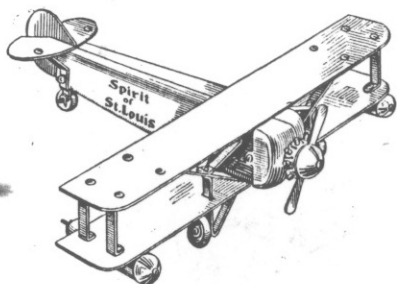
"MAIL PLANE"

Remove engine and propeller from cabin replacing nose and cabin only.



Model No. 12

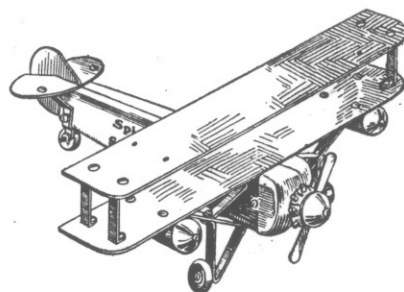
Replace engine and propeller on cabin—then reverse the side motors so propellers and motors are back of wing pushing.



Model No. 15

"MARTIN BOMBER"

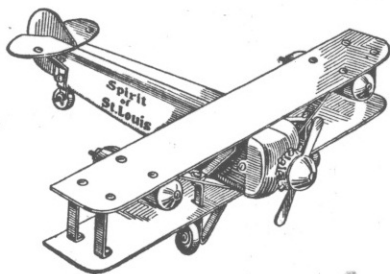
Attach the tanks to lower side of bottom wing, fastening with same bolts that hold the wing ties No. 20.



Model No. 18

PLANE WITH EXTRA GAS TANKS

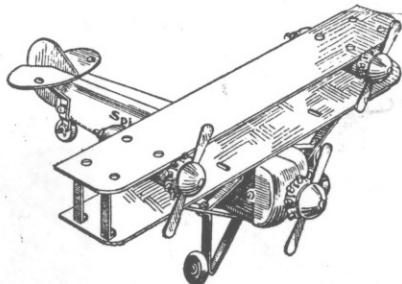
Remove the propeller and engine from extra motors, moving them to the second holes where they will serve as auxiliary gas tanks.



Model No. 13

"BI-PLANE with two auxiliary gas tanks"

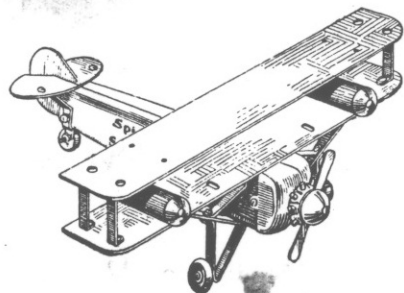
Remove propeller and motor from extra motors, replacing nose on back of hoods No. 19.



Model No. 16

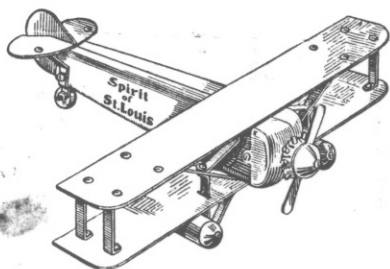
THREE MOTOR BIPLANE

Is built the same as Model No. 1, placing lower wing immediately on top of the fuselage, then adding the upper wing and extra motors.



Model No. 19

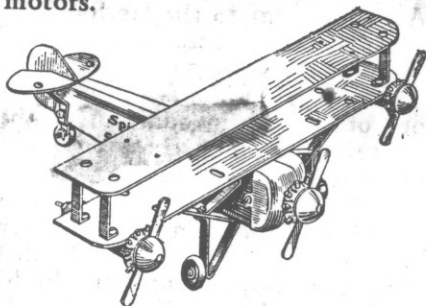
Place the tanks on top of lower wing instead of underneath.



Model No. 14

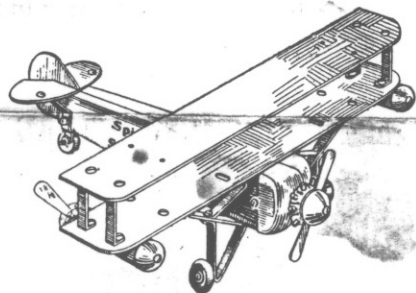
"DOUGLAS WORLD CRUISE TWO WING SEAPLANE"

Remove the wheels and attach the tanks instead of the wheels.



Model No. 17

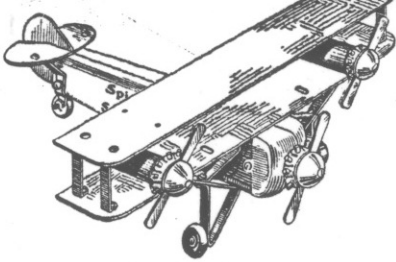
Move extra motors to the bottom of lower wing, attaching them with same bolts that hold wing ties.



Model No. 20

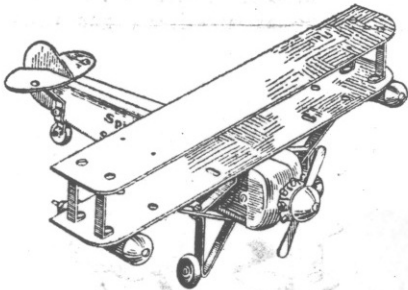
I PULL AND 2 PUSH MOTOR PLANE

Attach the two motors to the bottom of lower wing as shown in picture with the propellers behind, so that these two motors are pushing.



Model No. 21

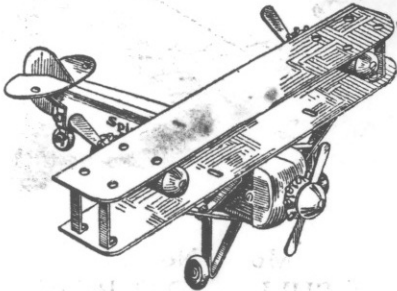
The auxiliary motors should be moved into the second holes on top of the lower wing so they are pulling.



Model No. 22

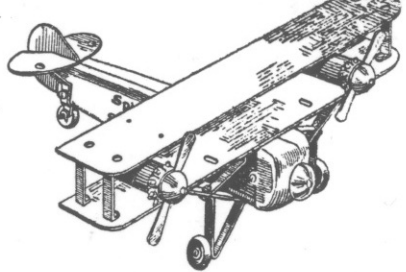
BOMBING PLANE

Attach auxiliary gas tanks on the bottom of lower wing with the same bolts that hold the wing ties, so they will serve as bombs.



Model No. 23

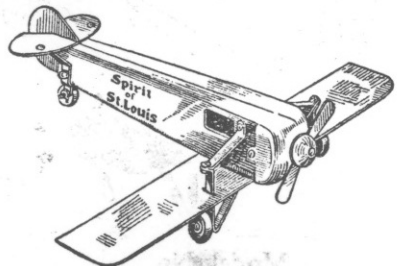
The two auxiliary motors should be attached to the upper wings so that they are pushing, as shown in illustration.



Model No. 24

SIKORSKY TWIN ENGINE 18 PASSENGER

Remove the center propeller and engine so that you have a two motor Sikorsky Plane.



Model No. 25

"AIR PROPELLED SNOW GLIDER"

Can be made as shown above or the lower wing can be omitted. Add pontoons to the landing gear for runners instead of wheels.

Many other planes can be built out of this set in addition to the above. If you purchase two sets of parts you can combine the sets, building many other planes, such as Three wing planes with five motors, etc. Every redblooded American boy wants to build airplanes and we believe you will want one of the larger sets.

No. 820 builds over 100 planes.
No. 830 builds over 250 planes.

Your dealer has them or can secure them for you.

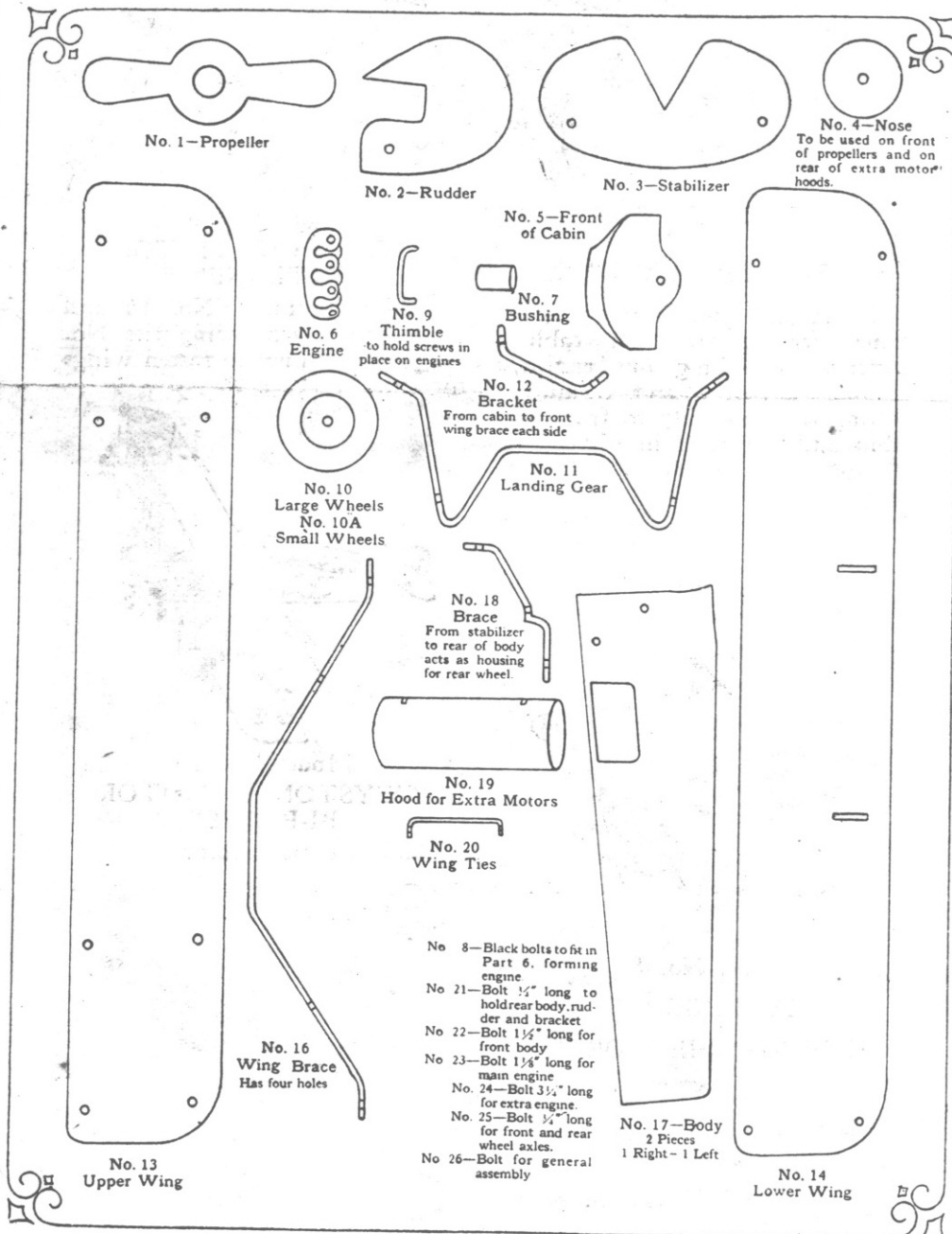
NOTICE

This set has been carefully packed and should be complete. If any parts are missing, write us direct, describing fully what is short.

To determine left or right body—assume you are sitting in plane.

This set contains the following parts:

- 3—No. 1 Propeller
- 1—No. 2 Rudder
- 1—No. 3 Stabilizer
- 5—No. 4 Noses
- 1—No. 5 Cabin Front
- 3—No. 6 Engines
- 3—No. 7 Bushings
- 27—No. 8 Black Bolts to form engine
- 3—No. 9 Thimble
- 2—No. 10 Large Wheels
- 1—No. 10-a Small Wheel
- 1—No. 11 Landing Gear
- 2—No. 12 Brackets
- 1—No. 13 Upper Wing
- 1—No. 14 Lower Wing
- 2—No. 16 Wing Brace
- 1—No. 17 Body (Right)
- 1—No. 17 Body (Left)
- 2—No. 18 Brace
- 2—No. 19 Hoods
- 4—No. 20 Wing Ties
- 4—No. 21 Bolts $\frac{3}{4}$ " long
- 1—No. 22 Bolt $1\frac{1}{2}$ " long
- 1—No. 23 Bolt $1\frac{1}{8}$ " long
- 2—No. 24 Bolts $3\frac{3}{8}$ " long
- 18—No. 26 Bolts
- 26—Nuts
- 1—Combination Screw Driver-Wrench



No. 1—Propeller

No. 2—Rudder

No. 3—Stabilizer

No. 4—Nose
To be used on front of propellers and on rear of extra motor hoods.

No. 5—Front of Cabin

No. 6 Engine

No. 9 Thimble to hold screws in place on engines

No. 7 Bushing

No. 12 Bracket From cabin to front wing brace each side

No. 11 Landing Gear

No. 10 Large Wheels
No. 10A Small Wheels

No. 18 Brace From stabilizer to rear of body acts as housing for rear wheel.

No. 19 Hood for Extra Motors

No. 20 Wing Ties

No. 8—Black bolts to fit in Part 6, forming engine

No. 21—Bolt $\frac{1}{2}$ " long to hold rear body, rudder and bracket

No. 22—Bolt $1\frac{1}{2}$ " long for front body

No. 23—Bolt $1\frac{1}{4}$ " long for main engine

No. 24—Bolt $3\frac{1}{2}$ " long for extra engine

No. 25—Bolt $\frac{1}{4}$ " long for front and rear wheel axles.

No. 26—Bolt for general assembly

No. 17—Body
2 Pieces
1 Right—1 Left

No. 13 Upper Wing

No. 16 Wing Brace Has four holes

No. 14 Lower Wing