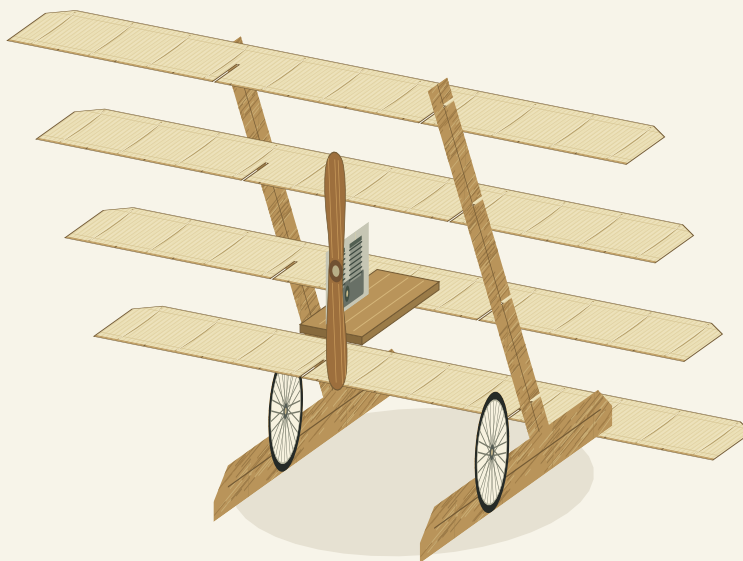


Completed model and assembly guide

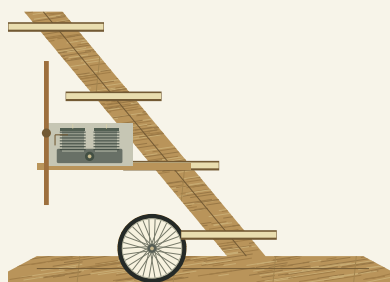
Matthew B. Sellers Quadroplane | 6-inch wingspan | Approximately 1:36 scale



Completed paper model, seen from the front. The motor and propeller sit above the ground.

SIDE VIEW: WING ORDER

FRONT
←



4 Highest

3

2 Motor level

1 Lowest

The highest wing sits furthest forward.

ASSEMBLY ORDER

1. Fold and glue the four wings. Press them flat until dry.
2. Glue each matching frame pair. Dry flat, then cut the outlines and slots.
3. Fit the wings from the bottom upward. Keep both frames parallel and the front ends aligned.
4. Glue the rear crossbar between the skids. It braces the frame.
5. Attach the double-card motor platform to wing 2, projecting toward the front.
6. Stand the motor on its platform. Add the raised front propeller last.

CHECK THE FRONT BEFORE GLUING

Wing 4 is highest and furthest forward. The propeller is at the front of the raised motor.

PRINTING

Print the parts at Actual size / 100% on cardstock. Check the 1-inch square with a ruler.

Make one paper test fit before cutting the final cardstock parts. Open tight slots a little at a time.

Motor arrangement reference: Flight, 14 October 1911, contemporary report.

Original paper model artwork. Display model; it is not designed to fly.

Created by the Restoring What Was Lost History Workshop

Matthew B. Sellers Quadroplane

Four separate wings | Finished model: 6 in wide x 4 in long x about 3 in tall

6-INCH VERSION | US LETTER | PRINT AT ACTUAL SIZE / 100%

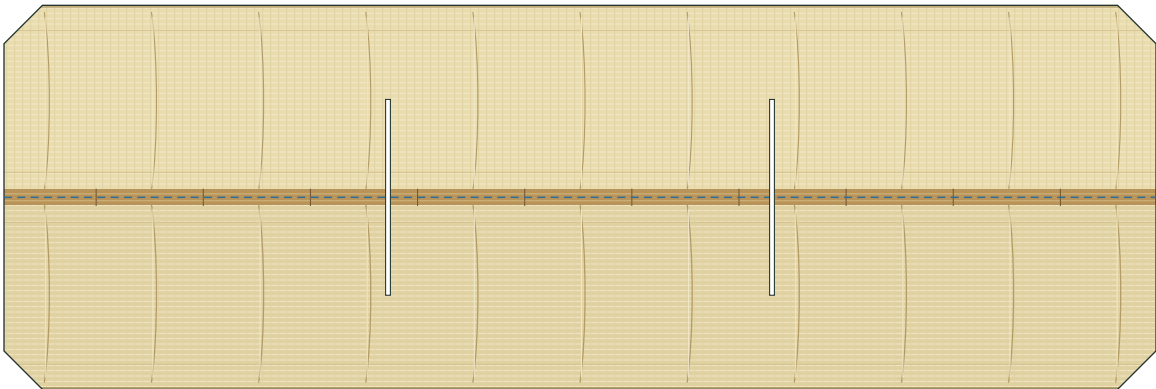
Solid = cut

Blue dashed = fold

Gray tabs = glue

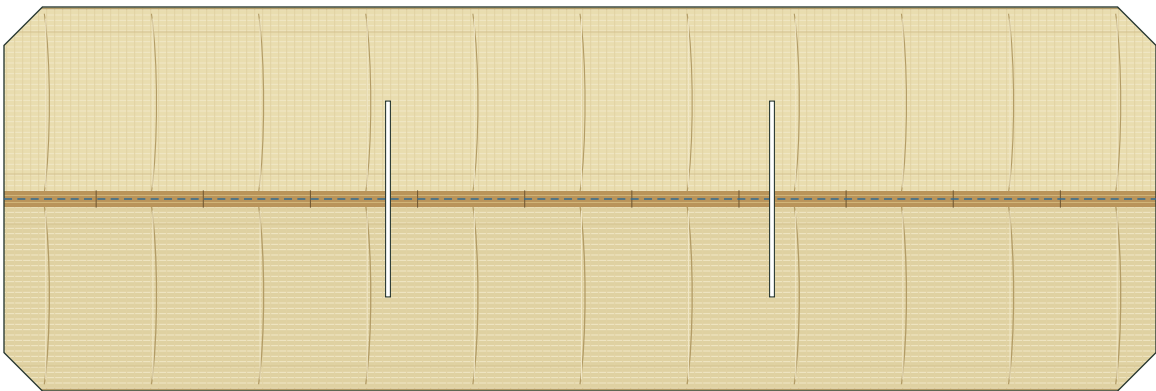
2 / 5

WING 4 / HIGHEST



Fold in half; glue blank faces together. Press flat until completely dry.
Then cut the two narrow slots from the folded FRONT edge.

WING 3 / MIDDLE



Fold in half; glue blank faces together. Press flat until completely dry.
Then cut the two narrow slots from the folded FRONT edge.

TWICE THE ORIGINAL SIZE

Each finished wing is 6 inches wide by 1 inch deep.
Print these five pages single-sided on medium cardstock.
Use a thin, even layer of glue and dry the wings under a flat book.
The blue fold faces the front; the angled corners face the rear.
If a joint is tight, widen its slot a little at a time.
All parts are already enlarged. Keep printer scaling at 100%.



Check with a ruler

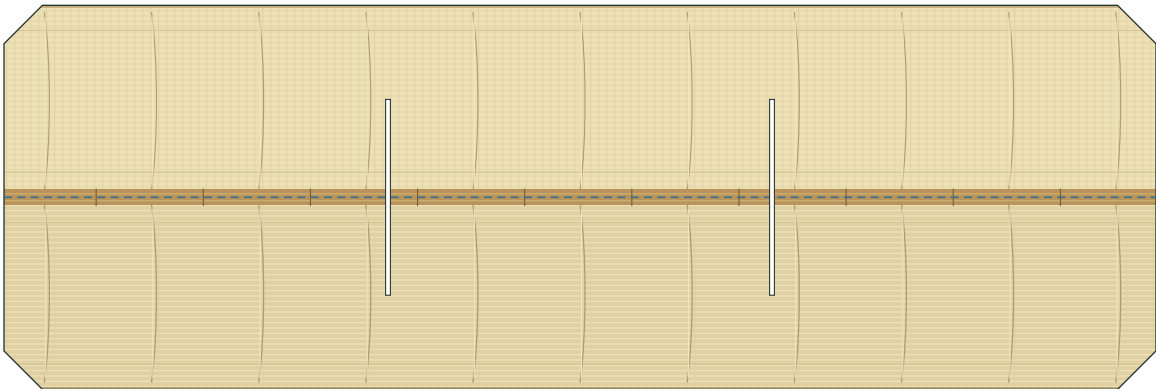
Matthew B. Sellers Quadroplane

Four separate wings | Finished model: 6 in wide x 4 in long x about 3 in tall

6-INCH VERSION | US LETTER | PRINT AT ACTUAL SIZE / 100%

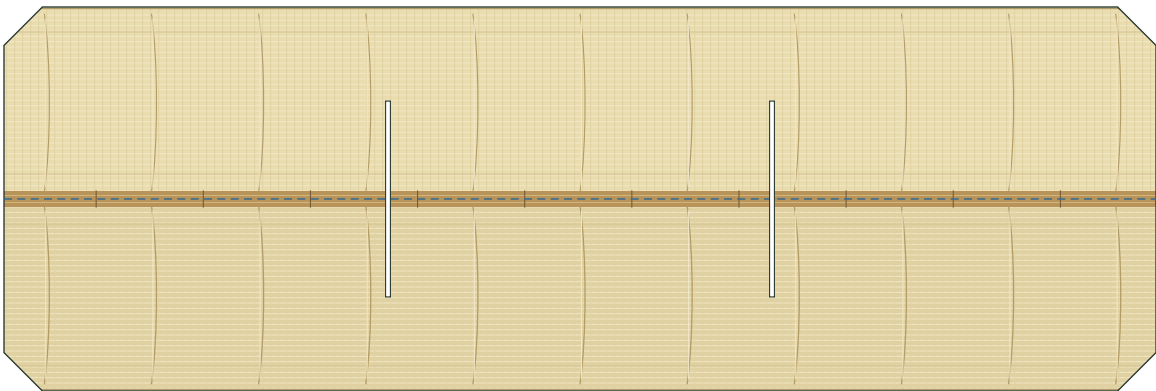
— Solid = cut - - - - - Blue dashed = fold  Gray tabs = glue 3 / 5

WING 2 / MIDDLE



Fold in half; glue blank faces together. Press flat until completely dry.
Then cut the two narrow slots from the folded FRONT edge.

WING 1 / LOWEST



Fold in half; glue blank faces together. Press flat until completely dry.
Then cut the two narrow slots from the folded FRONT edge.

TWICE THE ORIGINAL SIZE

- Each finished wing is 6 inches wide by 1 inch deep.
- Print these five pages single-sided on medium cardstock.
- Use a thin, even layer of glue and dry the wings under a flat book.
- The blue fold faces the front; the angled corners face the rear.
- If a joint is tight, widen its slot a little at a time.
- All parts are already enlarged. Keep printer scaling at 100%.



Check with a ruler

Matthew B. Sellers Quadroplane

Frame A and details | Match the printed front and back before cutting

6-INCH VERSION | US LETTER | PRINT AT ACTUAL SIZE / 100%

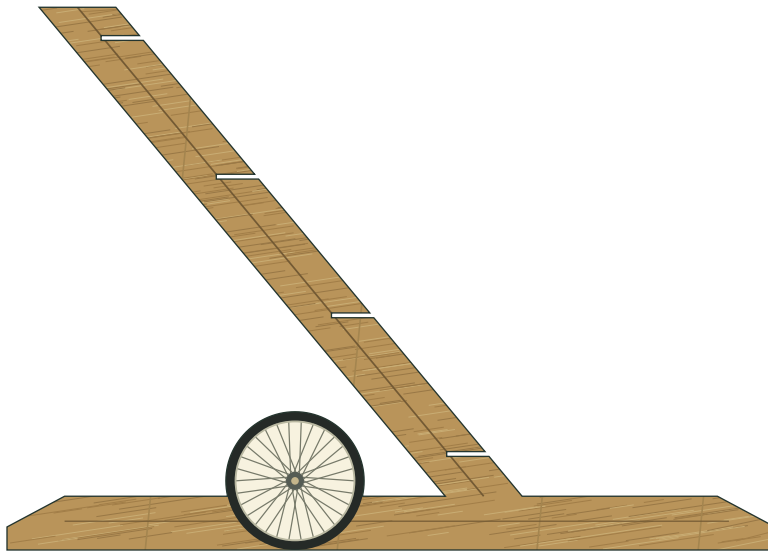
—— Solid = cut

- - - - Blue dashed = fold

Gray tabs = glue

4 / 5

FRAME A - FRONT



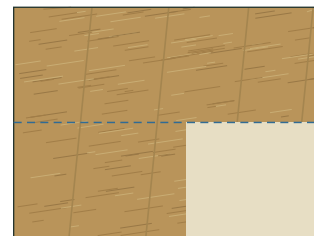
REAR SPACER



Fold end tabs down.

Glue between the rear skids.

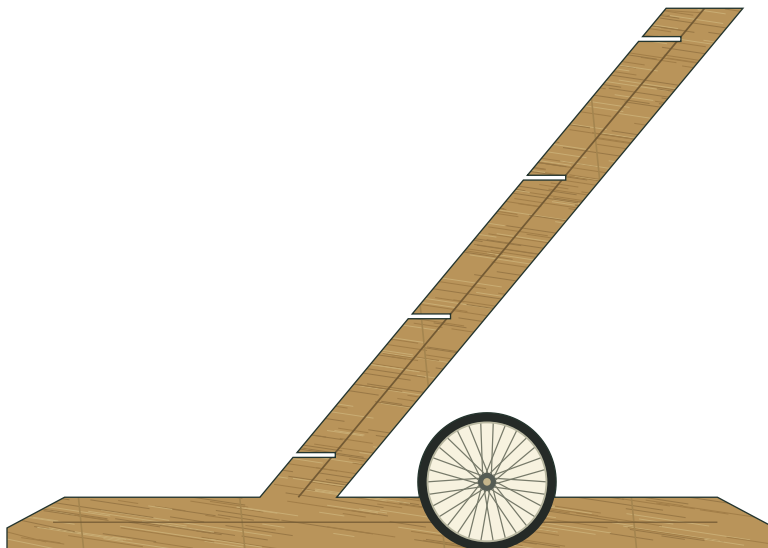
RAISED MOTOR PLATFORM



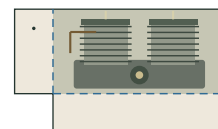
Fold and glue blank faces together.

Pale rear patch glues onto WING 2.

FRAME A - BACK



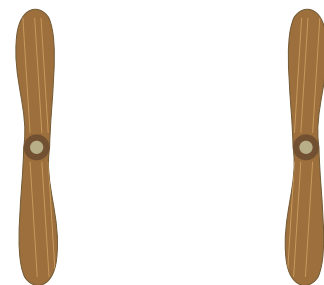
MOTOR + FRONT PROP TAB



Bottom tab glues to the platform.

Fold both tabs behind the picture.

FRONT PROPELLER



MAKE ONE DOUBLE-LAYER FRAME

Glue blank sides together and align the wheel and skid.

Dry flat; cut the outline and four notches.

Repeat for Frame B on page 5.

Original paper model artwork. For display; it is not designed to fly.

Created by the Restoring What Was Lost History Workshop

Glue these two propeller faces back to back.

Align the outline, dry flat, then cut.

Glue the hub onto the front-tab dot.

Matthew B. Sellers Quadroplane

Frame B and assembly | Raised motor and propeller go at the front

6-INCH VERSION | US LETTER | PRINT AT ACTUAL SIZE / 100%

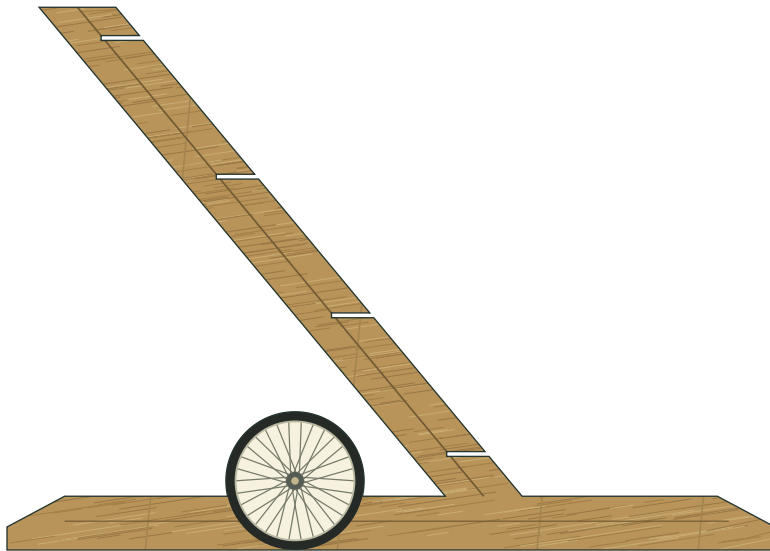
——— Solid = cut

- - - - - Blue dashed = fold

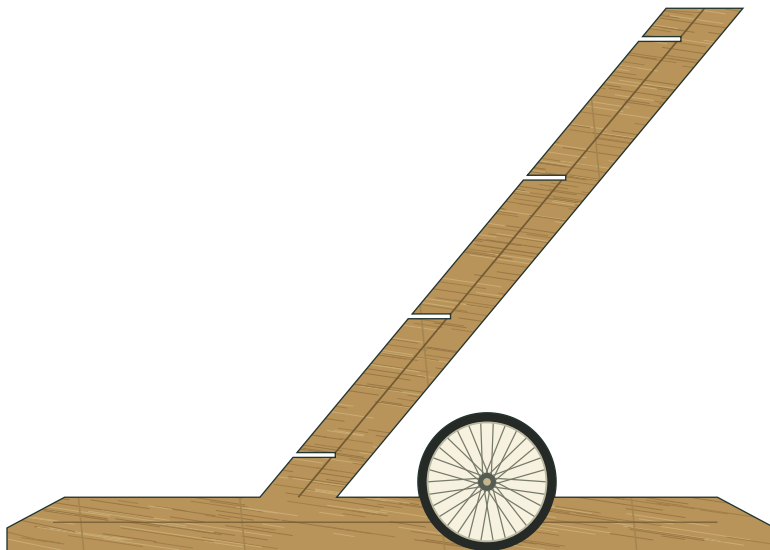
Gray tabs = glue

5 / 5

FRAME B - FRONT



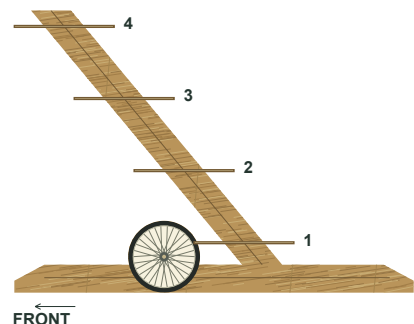
FRAME B - BACK



ASSEMBLE

1. Fold and glue all four wings. Glue the matching frame pairs and propeller faces. Let everything dry flat.
2. Cut the outlines, wing slots and frame notches. Keep the small parts nearby.
3. Dry-fit the rear crossbar between the parallel skids, with both front ends aligned.
4. Start with the lowest wing. Slide each wing from the rear toward the front until its fork slots meet the frame notches. Repeat upward.
5. Let the wings set the frame spacing, about 2 inches apart. Square the model, then glue the eight wing joints and crossbar tabs.
6. Glue the platform pale patch onto WING 2 with its long end projecting forward. Add the motor to the platform. Fold both motor tabs behind its picture. Glue the propeller hub to the front-tab dot.

WING ORDER



1908-inspired display model. Broader card supports simplify the original frame.

References: Aviation Museum of Kentucky replica and Smithsonian Sellers biographical record.

Original paper model artwork. For display; it is not designed to fly.

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