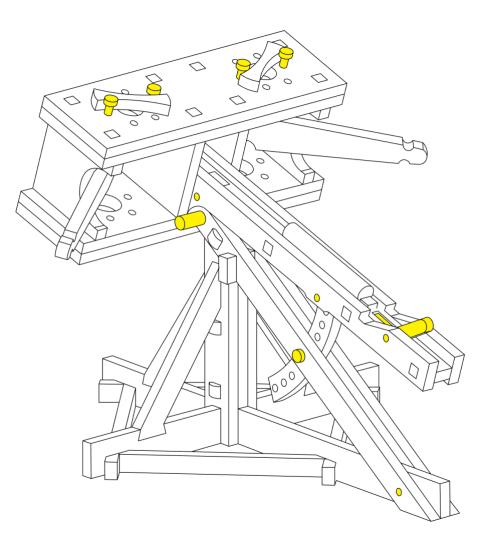
## **INSTRUCTION MANUAL**

# BASIC SERIES BALLISTA KIT

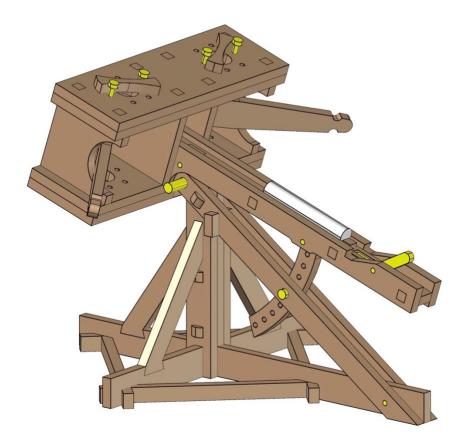


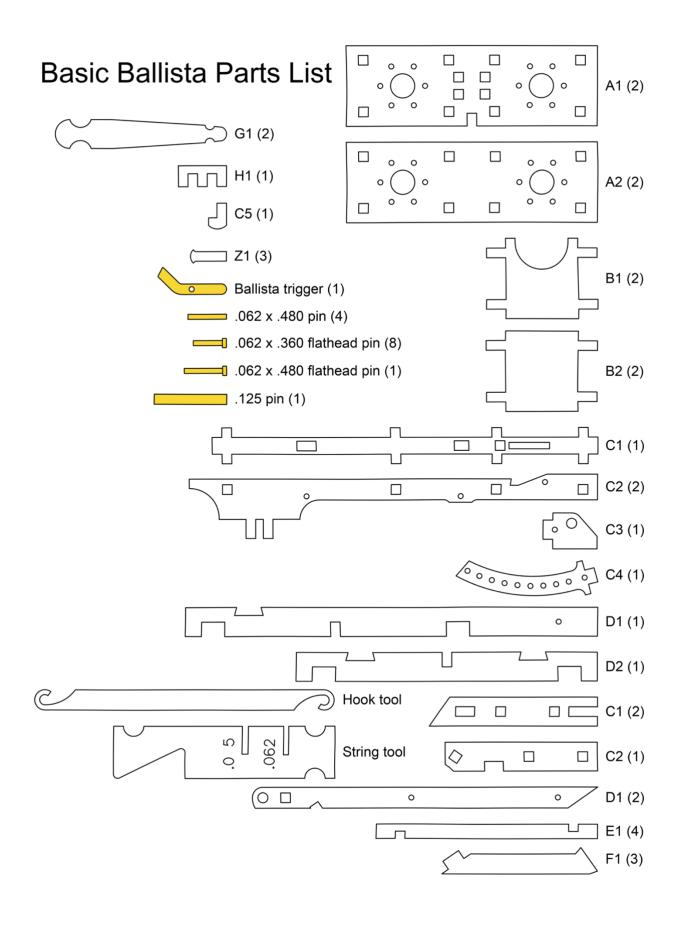
#### <u>Warning</u>

This kit contains small pieces. Keep away from children.

Do not aim at other people, pets, or yourself. Do not use this kit to launch sharp objects or anything that harms you or anyone else.

Section #Name (est. time)Section 1 – Wood Parts ( min.)Section 2 – String ( min.)Section 3 – Operation ( min.)





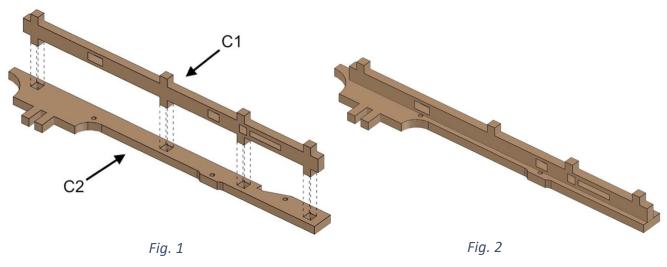
#### What's Needed:

- Hammer (for gently tapping brass pins into place)
- Scissors (to cut string)
- Superglue (to secure knots in the string)

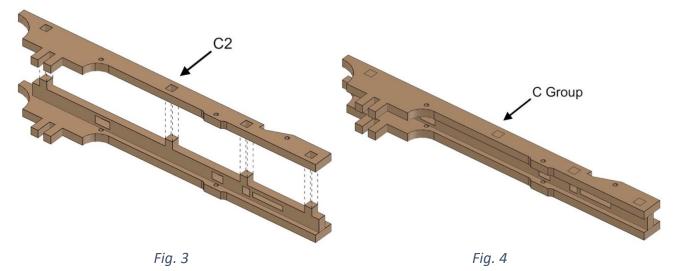
#### Tips before you get started:

- Lay out all the wood parts on the inventory list.
- Build the kit on a workbench or cutting mat to prevent damage to your table.
- Use a spare piece of wood to set the pins in place (string tool works great) or lightly tap with a hammer.

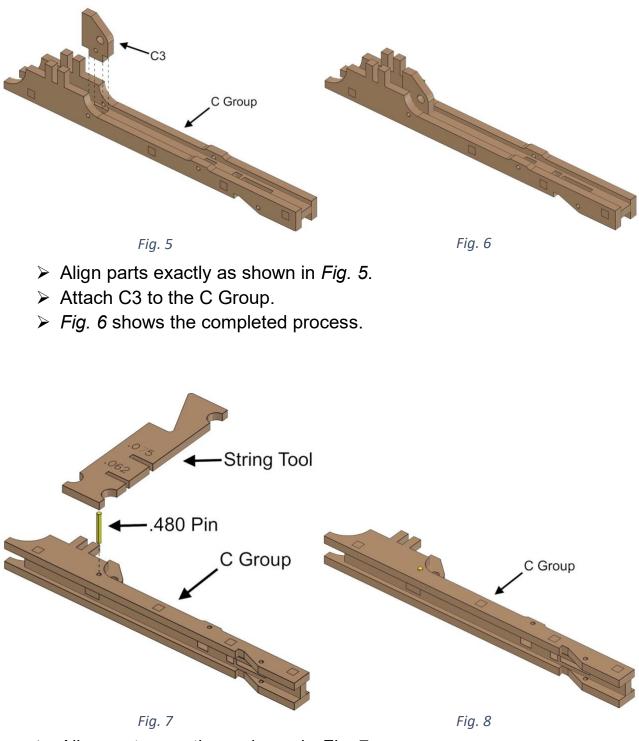
#### Section 1 – Wood Parts



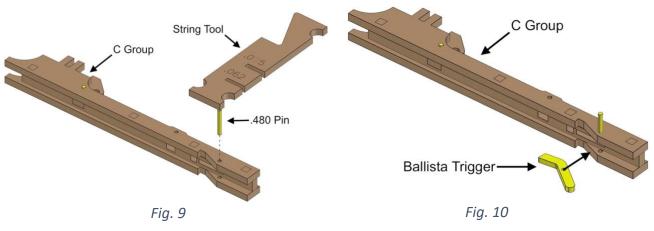
- > Align parts exactly as shown in *Fig. 1*.
- > Connect the C1 and C2 parts together.
- > Fig. 2 shows the completed process.



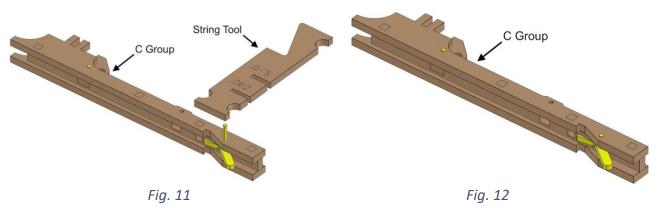
- > Align parts exactly as shown in *Fig. 3*.
- > Attach the C2 piece.
- > Fig. 4 shows the completed process.



- > Align parts exactly as shown in *Fig.* 7.
- Insert a .480" pin into the C Group.
- Use the String tool or a hammer to push down on the pin.
- > Fig. 8 shows the completed process.



- > Align parts exactly as shown in *Fig.* 9.
- Insert a .480" pin into the C Group.
- > Use the String tool or a hammer to push down on the pin.
- > Do not insert the pin all the way through.
- > Attach the Ballista trigger to the .480" pin. (*Fig. 10*)



- > Align parts exactly as shown in *Fig. 11*.
- ➤ Use the String tool or a hammer to push down on the pin.
- > Fig. 12 shows the completed process.

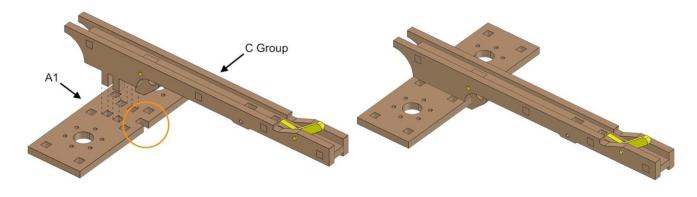


Fig. 13

Fig. 14

- > Align parts exactly as shown in *Fig.* 13.
- > <u>The orange circle highlights the correct orientation.</u>
- > Attach the A1 to the C Group.
- > Fig. 14 shows the completed process.

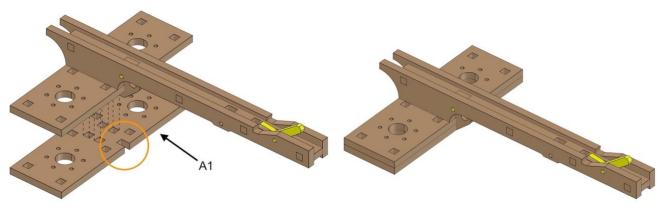
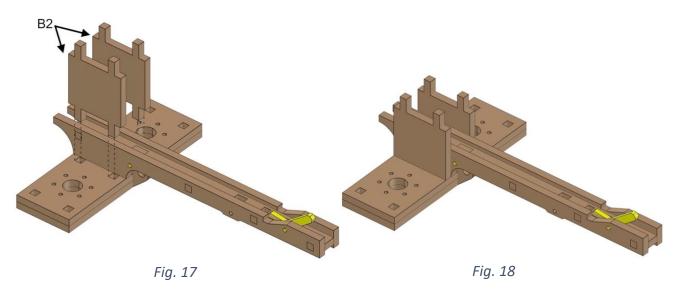


Fig. 15

Fig. 16

- > Align parts exactly as shown in *Fig. 15*.
- > The orange circle highlights the correct orientation.
- > Attach the A1 to the C Group.
- > Fig. 16 shows the completed process.



- > Align parts exactly as shown in *Fig.* 17.
- > Attach two B2 pieces.
- > Fig. 18 shows the completed process.

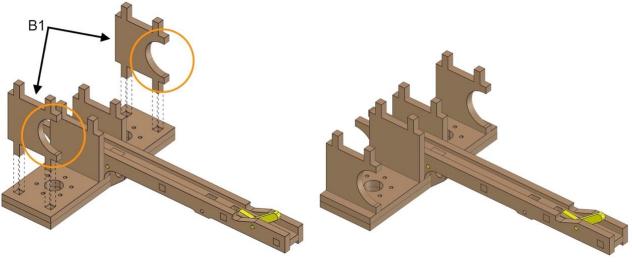
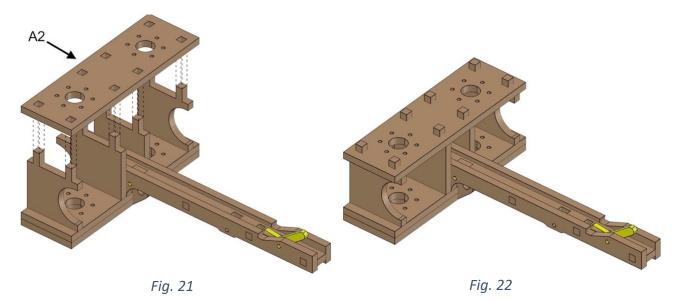


Fig. 19

Fig. 20

- > Align parts exactly as shown in *Fig.* 19.
- > The orange circle highlights the correct orientation.
- > Attach two B1 pieces.
- > Fig. 20 shows the completed process.



- > Align parts exactly as shown in *Fig. 21*.
- > Attach the A2 piece.
- > Fig. 22 shows the completed process.

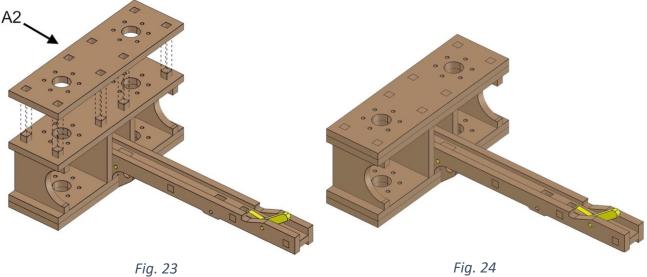
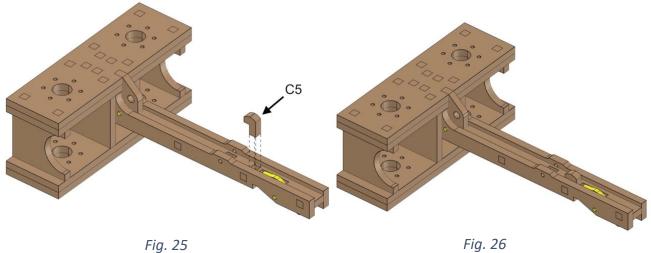


Fig. 24

- > Align parts exactly as shown in *Fig.* 23.
- > Attach the A2 piece.
- > Fig. 24 shows the completed process.





- > Align parts exactly as shown in *Fig.* 25.
- > Attach the C5 piece.
- > Fig. 26 shows the completed process.

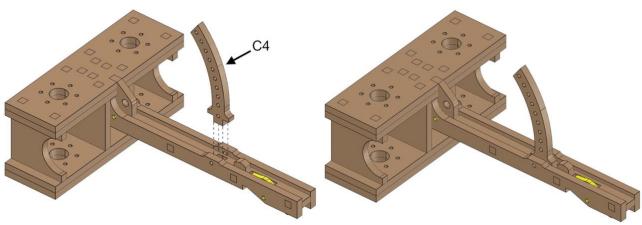
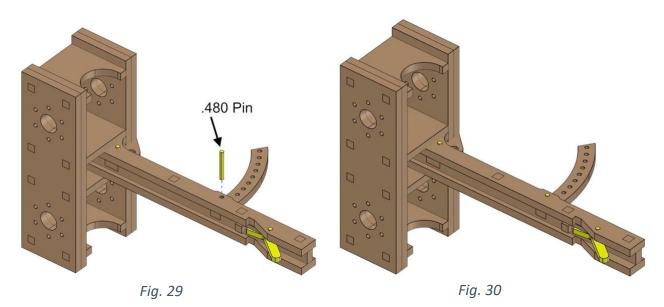


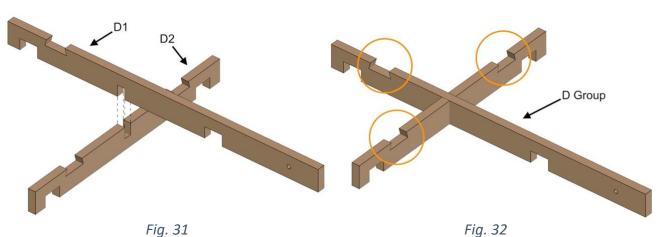
Fig. 27

Fig. 28

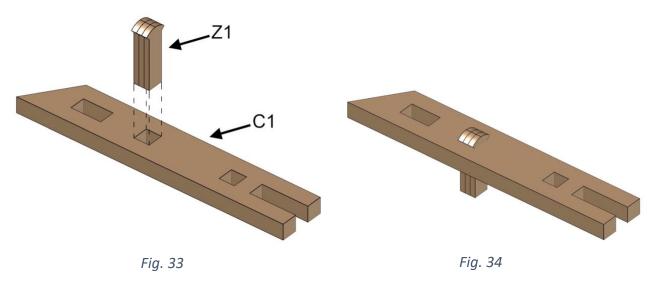
- > Align parts exactly as shown in *Fig.* 27.
- > Attach the C4 piece.
- > Fig. 28 shows the completed process.



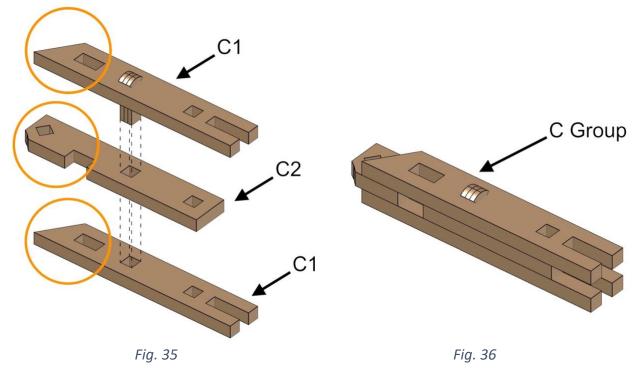
- > Align parts exactly as shown in *Fig.* 29.
- ➢ Insert one .480" pin.
- > Fig. 30 shows the completed process.



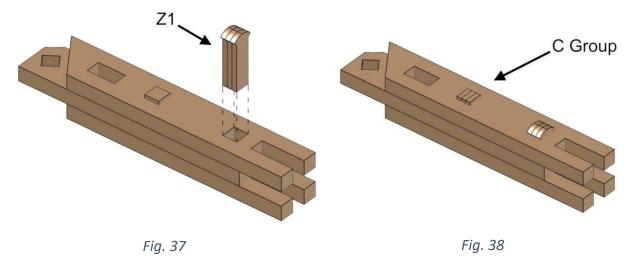
- > Align parts exactly as shown in *Fig.* 31.
- > Connect the D1 and D2 parts together.
- > Fig. 32 shows the completed process.
- > The orange circles highlight the side that goes up.



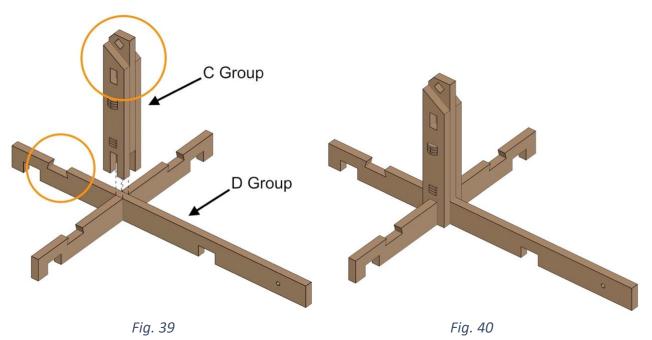
- > Align parts exactly as shown in *Fig.* 33.
- $\succ$  Insert the Z1 piece.
- > Fig. 34 shows the completed process.



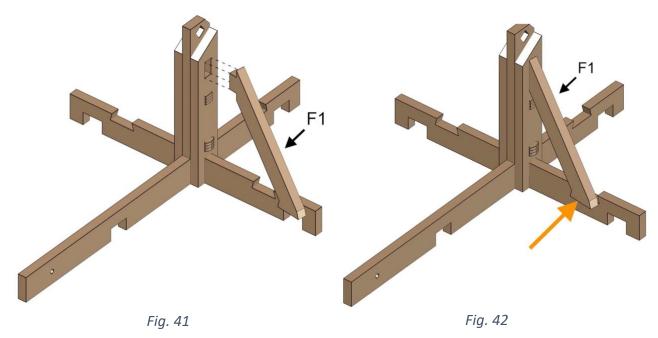
- > Align parts exactly as shown in *Fig.* 35.
- > <u>The orange circles highlight the correct orientation.</u>
- > Attach the C2 and C1 pieces.
- > Fig. 36 shows the completed process.



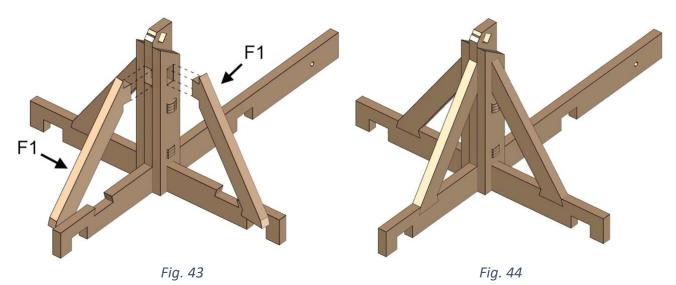
- > Align parts exactly as shown in *Fig.* 37.
- Insert the Z1 piece so it enters the opposite side of the other Z1 piece.
- > Fig. 38 shows the completed process.



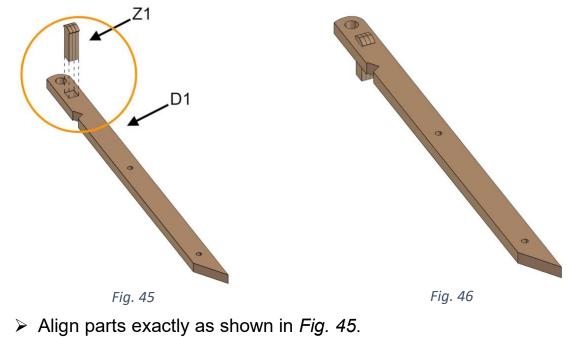
- > Align parts exactly as shown in *Fig.* 39.
- > <u>The orange circles highlight the correct orientation.</u>
- > Attach the C Group to the D Group.
- > Fig. 40 shows the completed process.



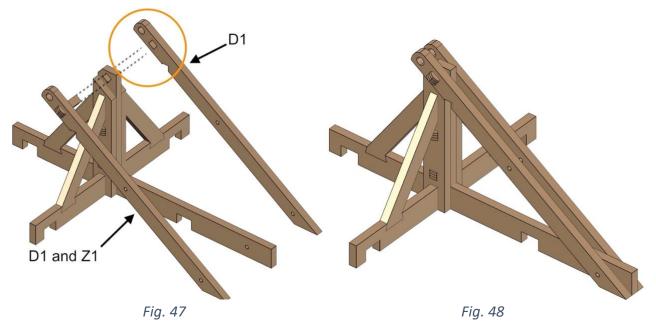
- > Align parts exactly as shown in *Fig. 41*.
- ➢ Insert the F1 piece.
- > Push the bottom of the F1 piece into place (*Fig. 42*).



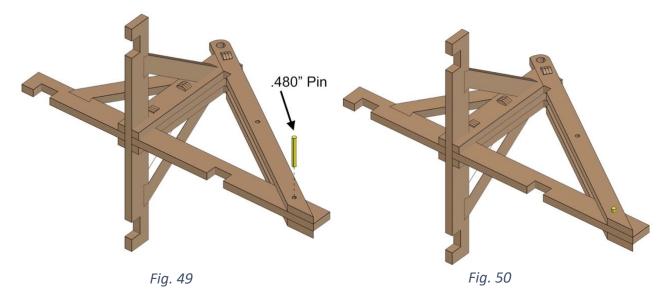
- > Align parts exactly as shown in *Fig.* 43.
- > Attach the F1 pieces as shown in previous steps.
- > Fig. 44 shows the completed process.



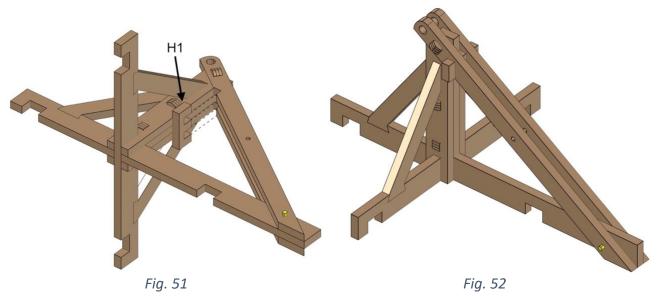
- > The orange circles highlight the correct orientation.
- > Insert the Z1 piece.
- > Fig. 46 shows the completed process.



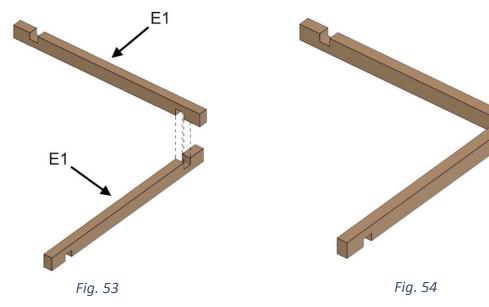
- > Align parts exactly as shown in *Fig. 47*.
- > Attach the D1 pieces.
- > Fig. 48 shows the completed process.



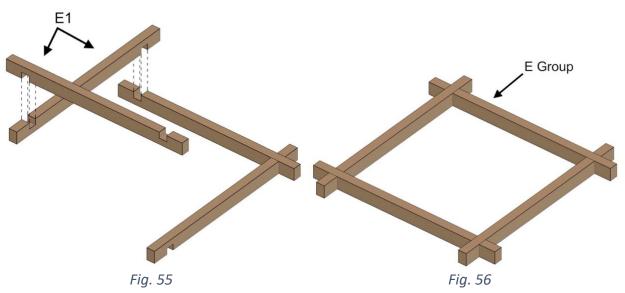
- > Align parts exactly as shown in *Fig. 49*.
- ➢ Insert one .480" pin.
- > Fig. 50 shows the completed process.



- > Align parts exactly as shown in *Fig. 51*.
- > Attach the H1 piece.
- > Fig. 52 shows the completed process.



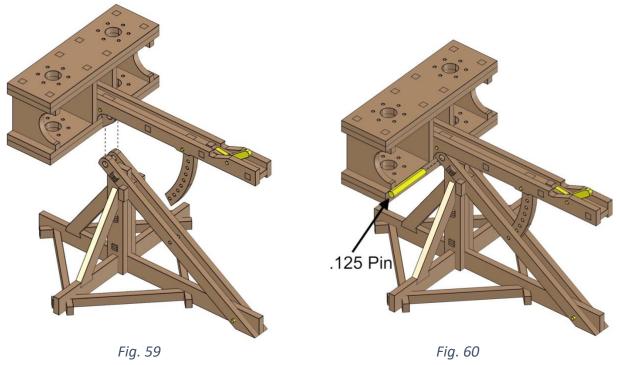
- > Align parts exactly as shown in *Fig.* 53.
- > Connect the E1 pieces together.
- > Fig. 54 shows the completed process.



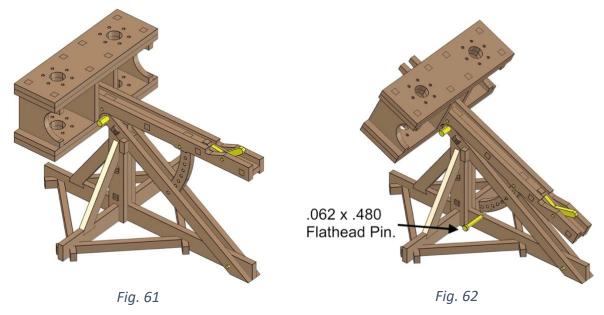
- > Align parts exactly as shown in *Fig. 55*.
- > Connect the E1 pieces together.
- > Fig. 56 shows the completed process.



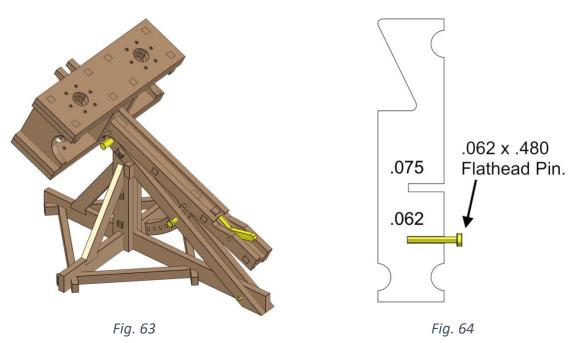
- > Align parts exactly as shown in *Fig.* 57.
- > Attach the E Group.
- > Fig. 58 shows the completed process.



- > Align parts exactly as shown in *Fig.* 59.
- > Attach the parts together.
- ➢ Insert the .125" pin (*Fig. 60*).

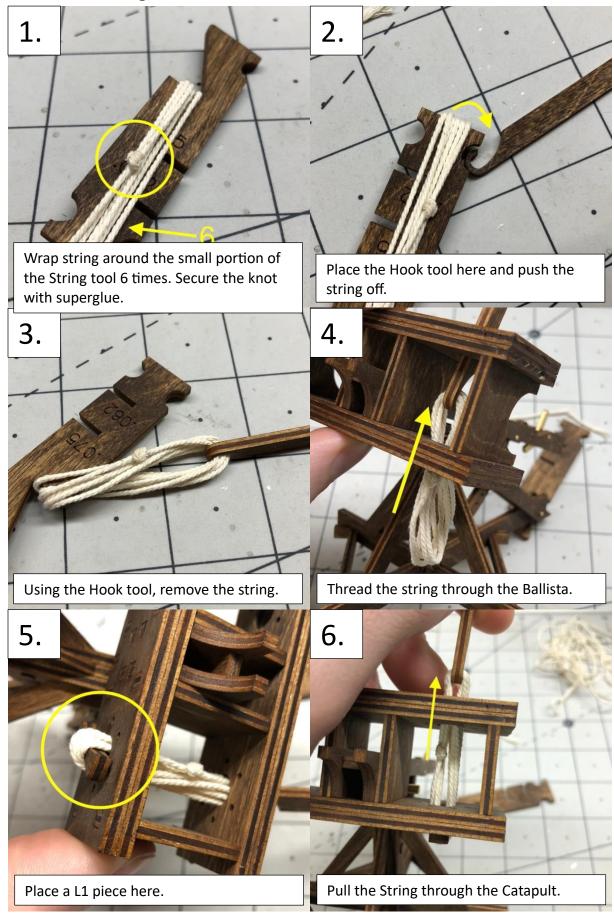


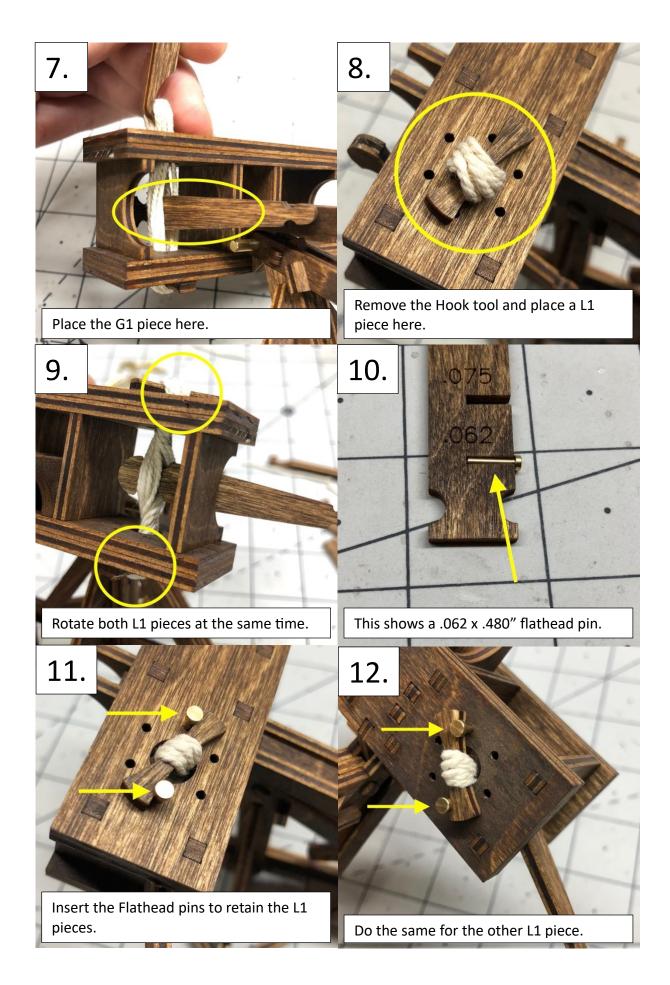
- > The Ballista should now be attached to the base.
- A .062 x .480 Flathead pin can be used to lock the Ballista in place (*Fig. 62*).

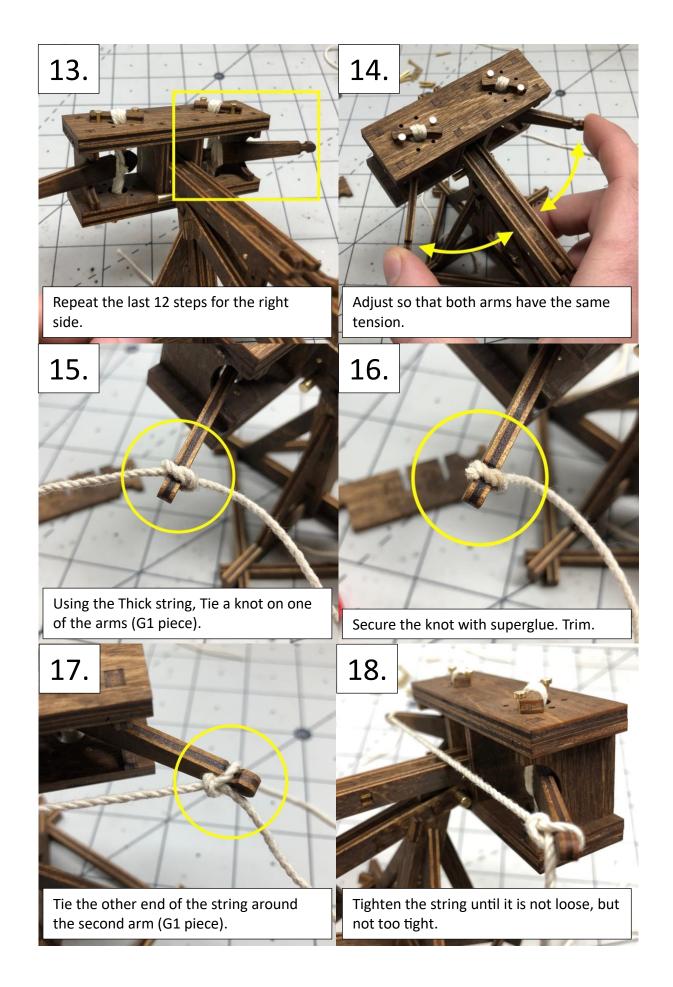


- > Fig. 63 shows a ballista that is locked in position.
- > Fig. 64 shows how to use the string tool to measure the pins.

Section 2 – String







19.

The G1 pieces should be touching the Ballista here. If not, loosen the string. 20.

Secure the knot with superglue. Trim.

### Section 3 – Operation

