



**Timberkits**<sup>TM</sup>

# Stephenson's Rocket

CE 

(UK) Symbols in these instructions. (FR) Symboles des instructions. (ESP) Símbolos en estas instrucciones. (IT) Simboli in queste istruzioni. (Ger) Symbole in dieser anleitung



(UK) Waiting time.  
(FR) Temps d'attente.  
(ESP) Tiempo de espera.  
(IT) Tempo d'attesa.  
(DE) Wartezeit.



(UK) Wax surface to lubricate.  
(FR) Appliquer la cire sur cette surface.  
(ESP) Aplica la cera sobre esta superficie.  
(IT) Applicare la cera su questa superficie  
(DE) Wax Oberfläche zu schmieren.



(UK) Glue.  
(FR) Coller.  
(ESP) Pegar.  
(IT) Incollare.  
(DE) Leimen



(UK) Don't glue.  
(FR) Ne pas coller.  
(ESP) No pegar.  
(IT) Non incollare.  
(DE) Nicht leimen.



(UK) Glue guard. Prevents glue getting between moving parts during build. Remove after 2 minutes.  
(FR) Piece de protection contre la colle. pendant l'assemblage, eviter tout dépôt de colle sur les pieces en mouvement. Enlever apres 2 minutes.  
(ESP) Parte de protection de el pegamento. durante la fase de esambalje, evitar que el pegamento se ponga sobre partes que se mueven. Quitar despues de dos minutos .  
(IT) Pezzo di protezione della colla. Durante l'assemblaggio evitare che la colla vada su parti non statiche . Imuovere dopo due minuti.  
(DE) Karton. Verhindert das eindringen von leim zwischen die bewegliche teile während der montage. Zwischen die beweglichen Teile.

#### Helpful hints/conseils utiles/consejos utiles/suggerimentutili/nützliche tipps

(UK) Check all parts present in trays  
(FR) Vérifier que toutes les pièces soient présentes dans les bacs  
(ESP) Controlar que hay todas la partes en la caja  
(IT) Controllare tutte le parti presenti nel kit  
(DE) Bitte prüfen sie, ob alle benötigten teile vorhanden sind

(UK) Read all instructions and look at all diagrams  
(FR) Lire toutes les instructions et regarder toutes les figures  
(ESP) Leer las intrucciones y guardar a los diagramas  
(IT) Leggere tutte le istruzioni e guardare i diagrammi  
(DE) Lesen sie alle anweisungen und betrachten sie die schaubilder

(UK) Check assembly before gluing  
(FR) Vérifier le montage avant collage  
(ESP) Controlar el montaje antes de empezar a pegar  
(IT) Controllare l'assemblaggio prima di incollare  
(DE) Montage prüfen vor dem einklebern

(UK) Some parts may need sanding  
(FR) Certaines pièces nécessiteront d'être poncées.  
(ESP) Algunas parte necesitan de ser suavizadas  
(IT) Alcune parti potrebbero aver bisogno di levigatura  
(DE) Möglicherweise müssen manche teile geschliffen werden

Colouring tips/conseils concernant l'application de peinture/ consejos para Pintar/ suggerimenti per colorare/ lackiertipps

(UK) Do not apply paint to parts which move against one another. It is easier to paint some parts before assembling  
(FR) Ne pas appliquer de peinture sur les parties qui se déplacent l'une contre l'autre. Il est conseillé de peindre avant assemblage  
(ESP) No aplique la pintura sobre las partes que se tocan. Resulta mas facil pintar las partes antes de montar.  
(IT) Non applicare la pittura su quelle parti dove ce attrito con un'altra parte. è piu semplice pitturare alcune parti prima della fase di assemblaggio.  
(DE) Teile, die aneinander reiben, sollten nicht lackiert werden. Fertig lackierte teile sind off leichter zu montieren

#### New Symbols in our Instructions



Visit our website to view instructional videos where you see this symbol.

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Pay special attention to this section.



**NEED ADVICE?**

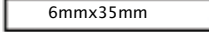
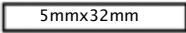
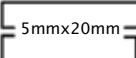
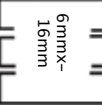
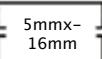
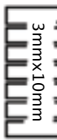
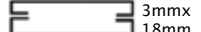
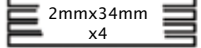
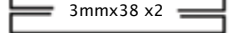
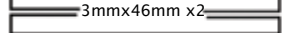
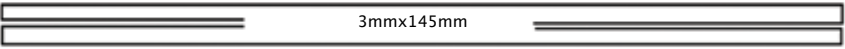
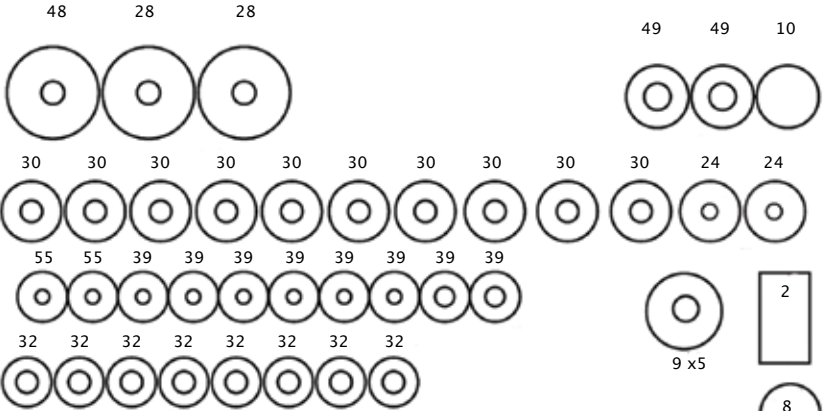


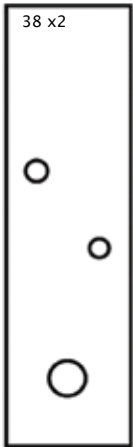
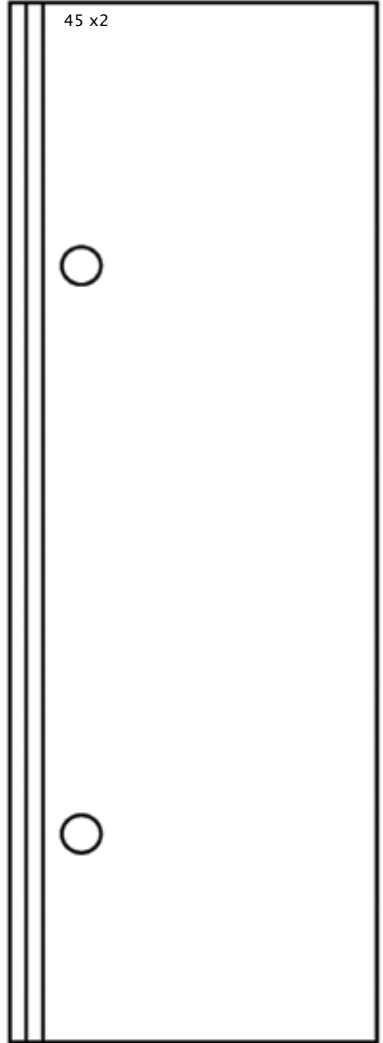
**Luise Willis - Model Expert**

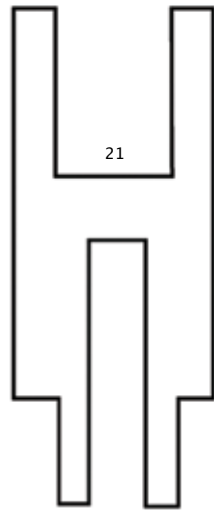
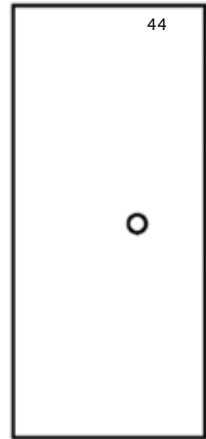
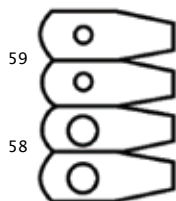
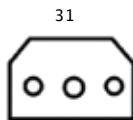
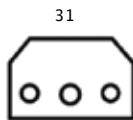
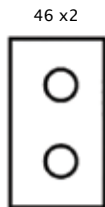
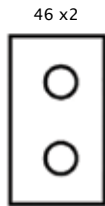
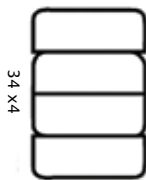
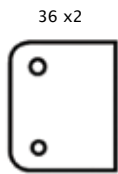
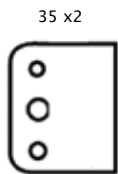
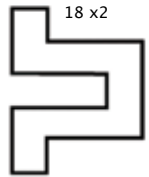
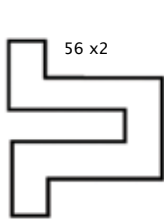
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here to help!

Or visit our website for tips, advice and instructional videos.  
All these can be found in Resources/Advice Videos on our website.

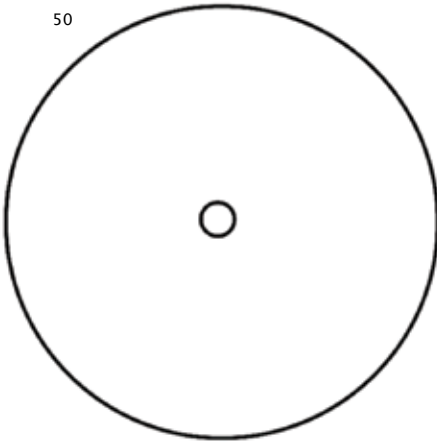
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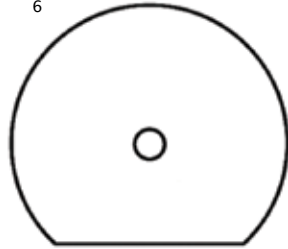




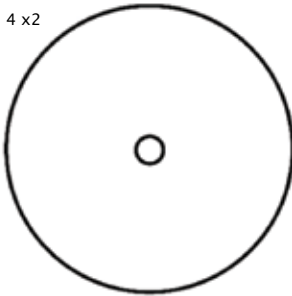
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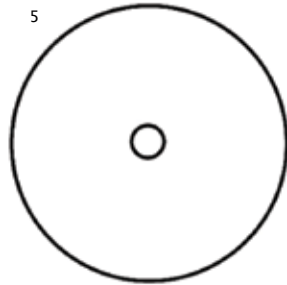
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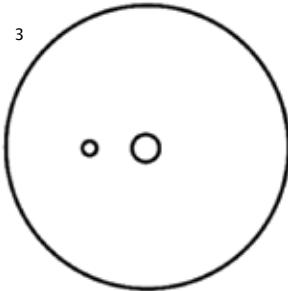
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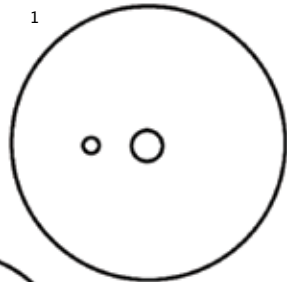
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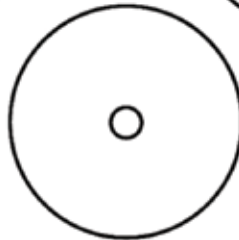
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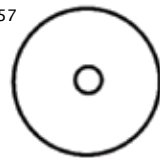
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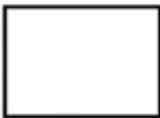
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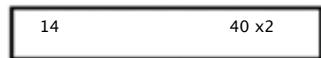
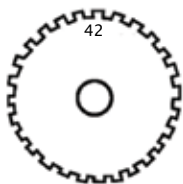
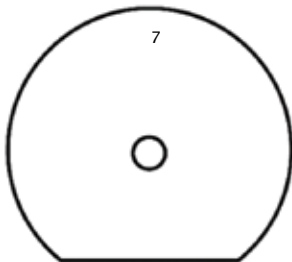
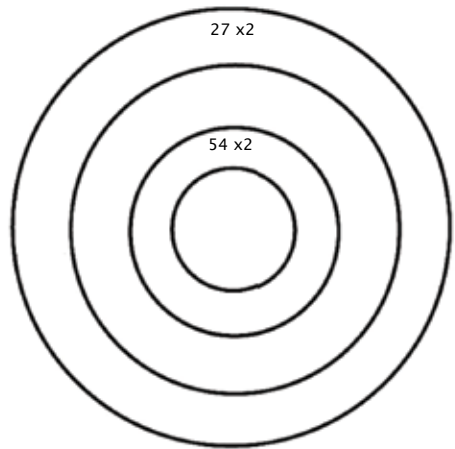
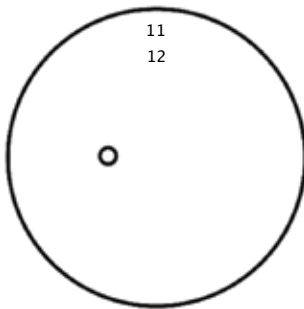
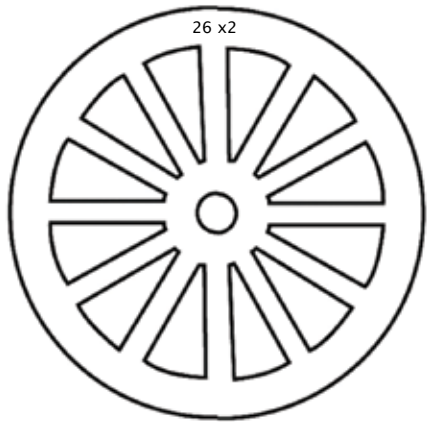
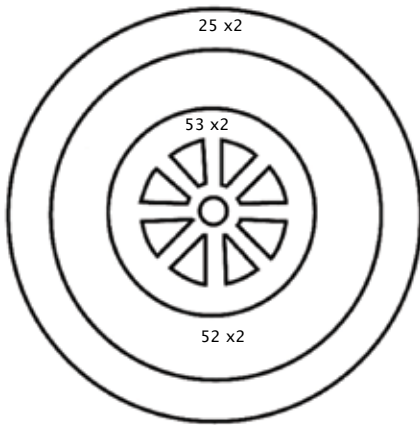


57



37 x2





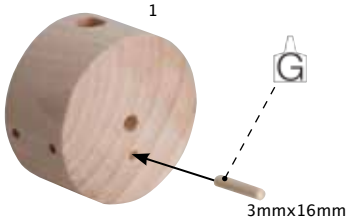




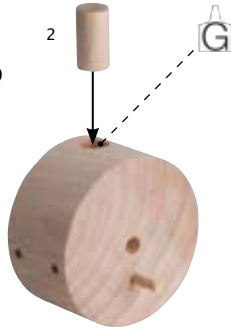
If you are mounting this model on a Battery or Electric Drive Kit please refer to the Battery or Electric Drive Kit instructions before building the model as drive pulleys need to be fitted part way through the building process

1

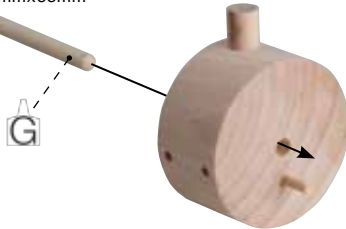
1a



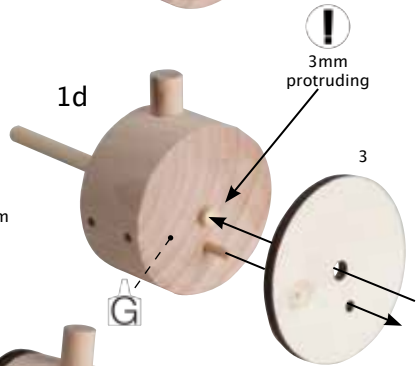
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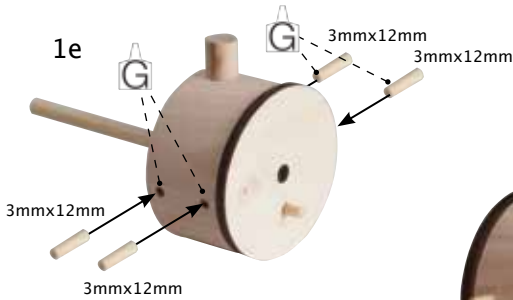
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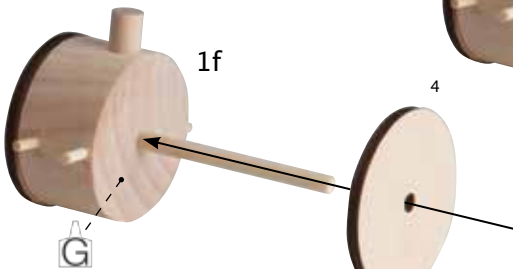
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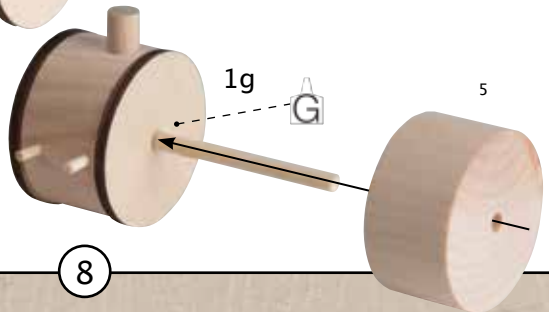
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1f

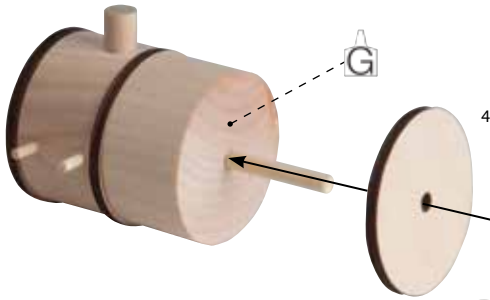


1g



8

1h



4



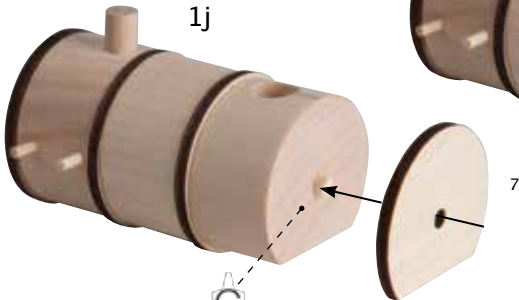
Line up hole with part #2



1i

6

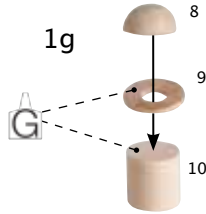
1j



7



1g

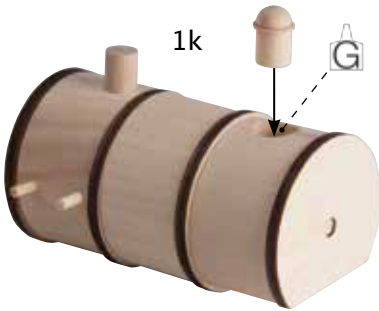


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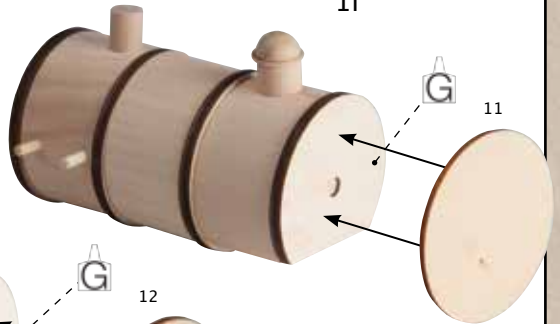
9

10

1k

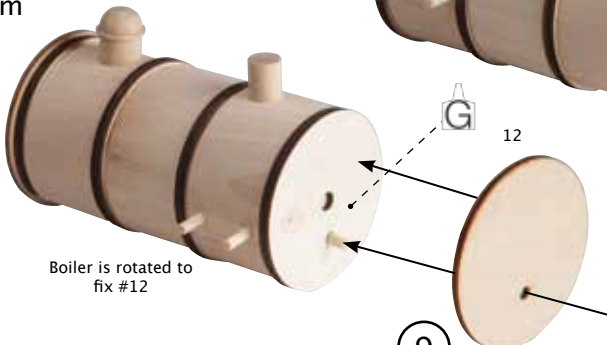


1l



11

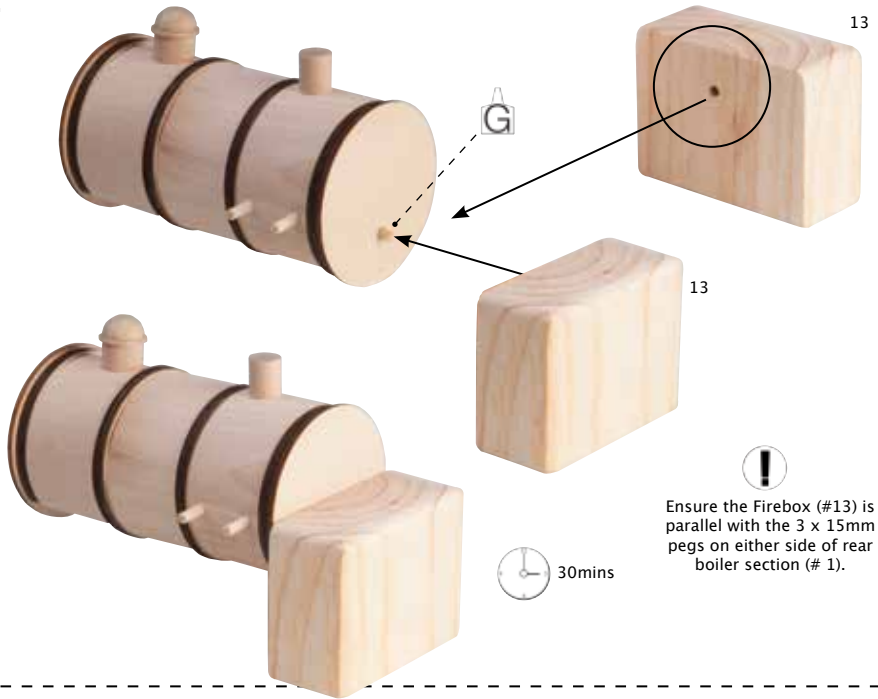
1m



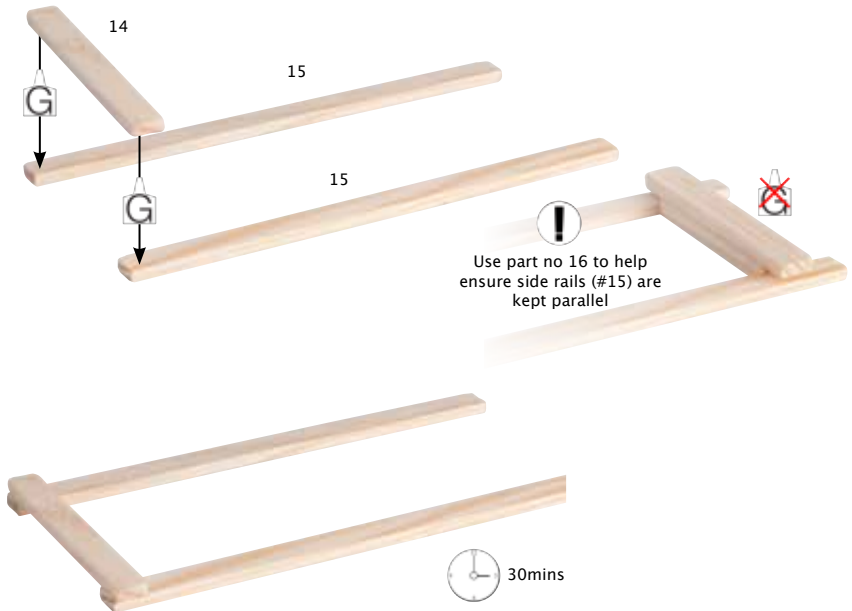
12

Boiler is rotated to fix #12

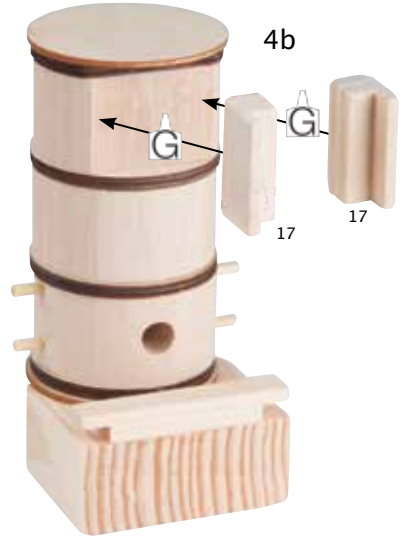
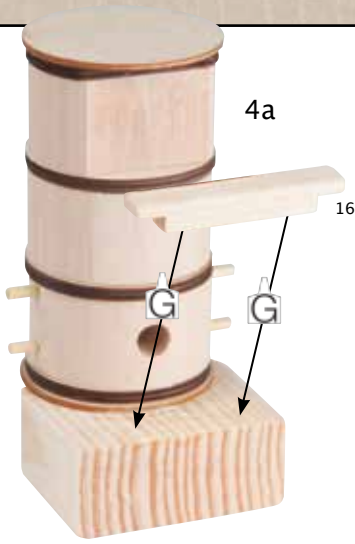
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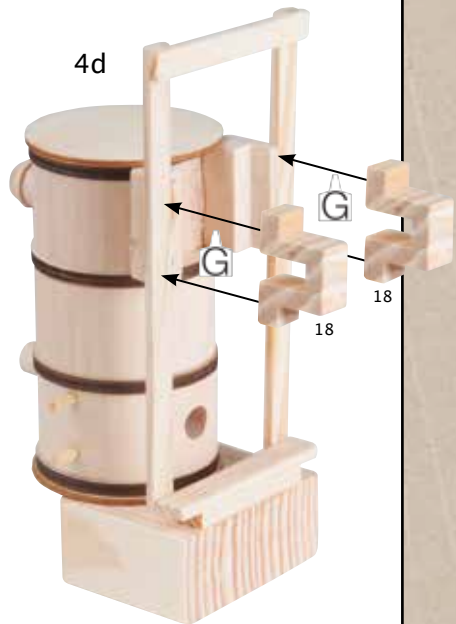
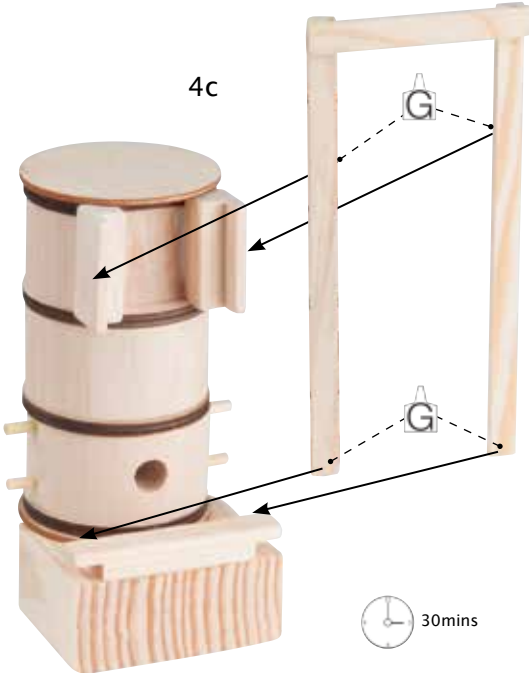
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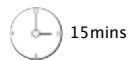
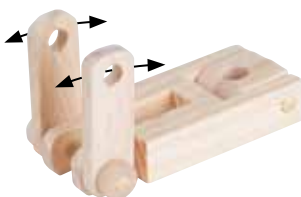
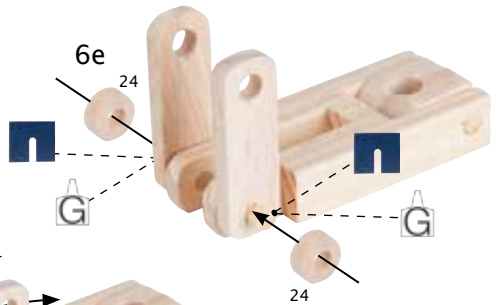
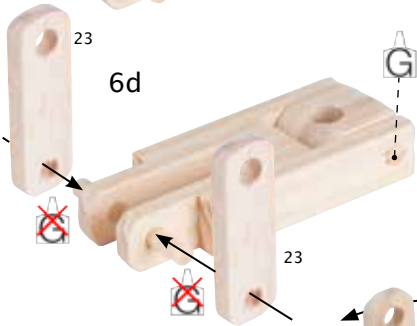
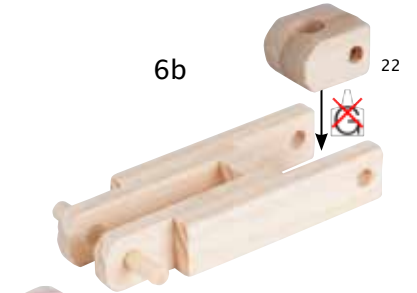
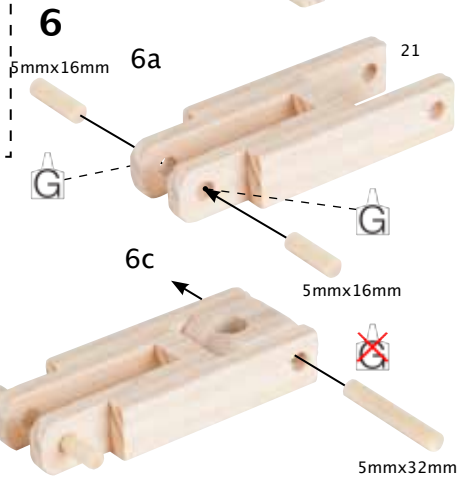
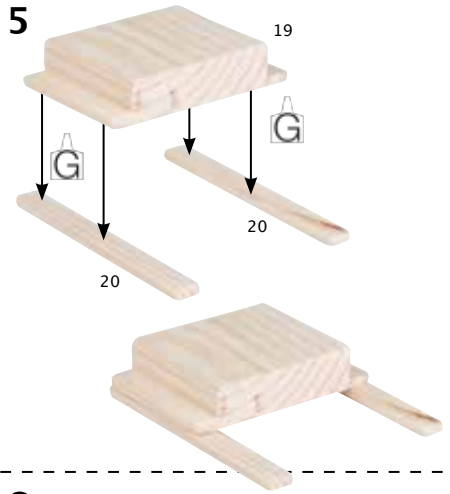
4



Whilst the glue holding the two parts #17 is still drying, position and glue the frame built in section 3. Adjust the two parts #17 to fit against the inner rims of the frame. The bottom of the two parts #17 must be level with the underside surface of the frame as the two front axle blocks (#18) need to be glued in place at that point.

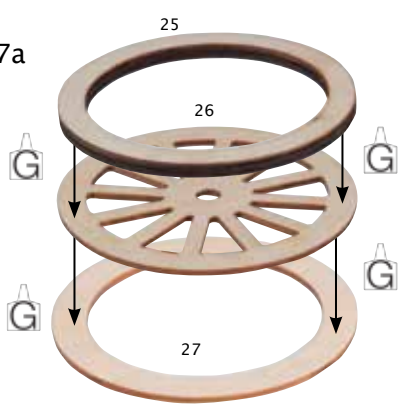


 30mins

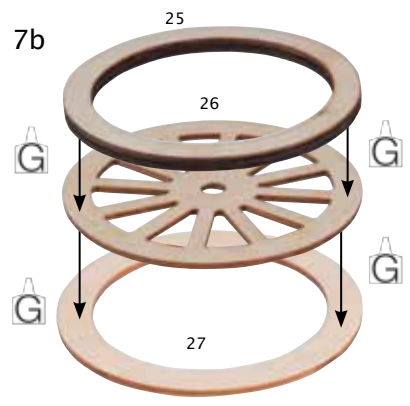


# 7

7a



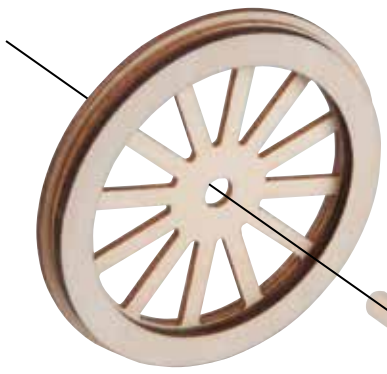
7b



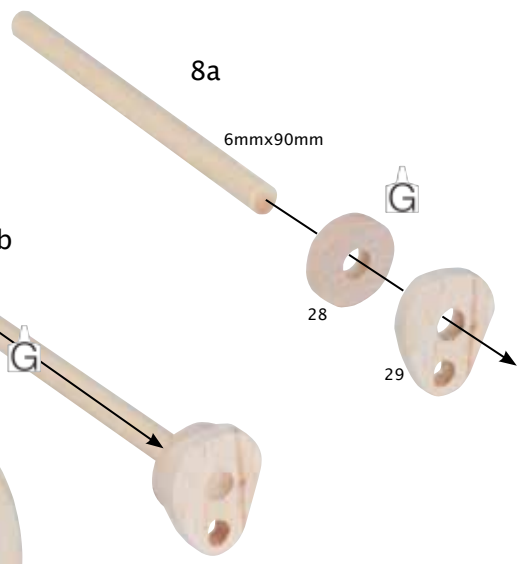
10mins



# 8

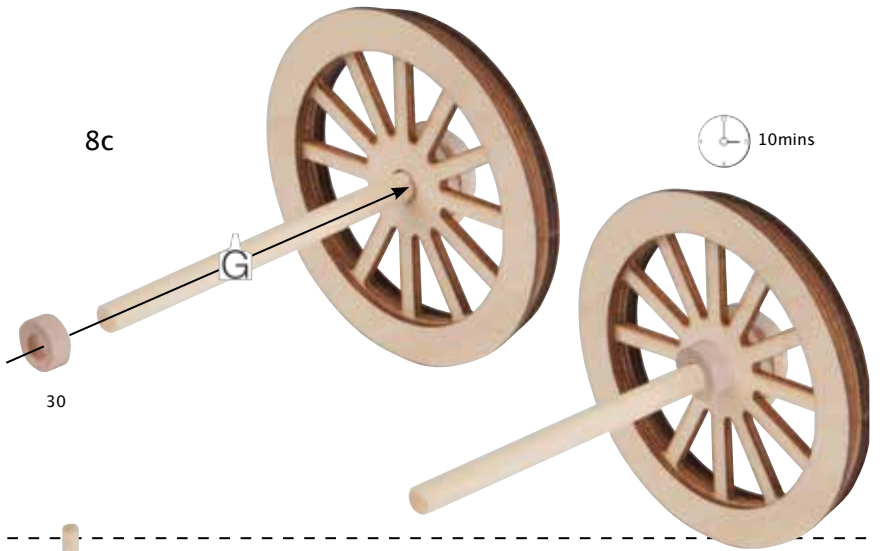


8b



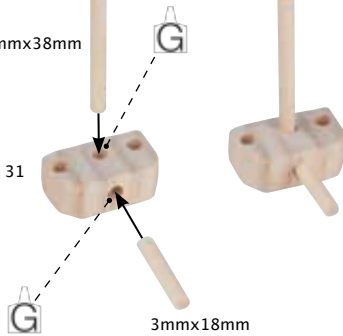
8c

10mins

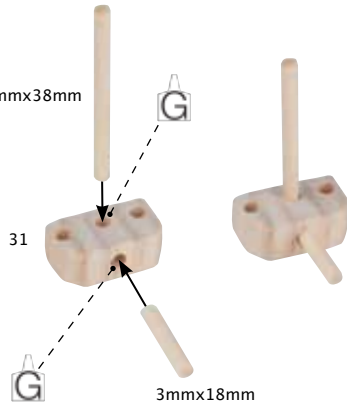


9

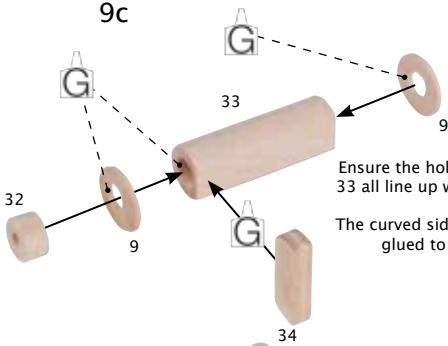
3mmx38mm  
9a



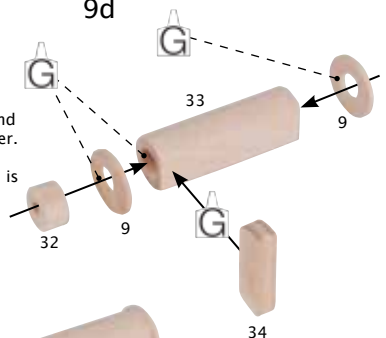
3mmx38mm  
9b



9c



9d



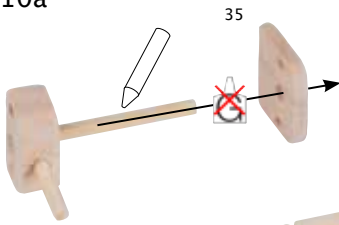
Ensure the holes in 32, 9 and 33 all line up with each other.

The curved side of part #34 is glued to part #33.

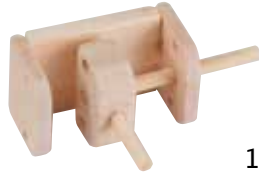
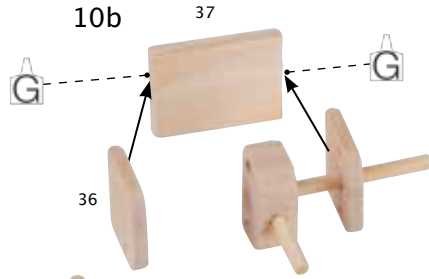
10mins

# 10

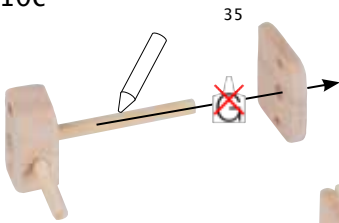
10a



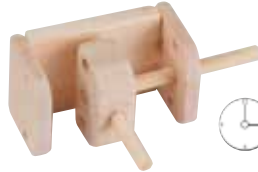
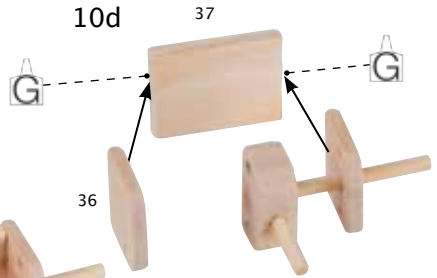
10b



10c



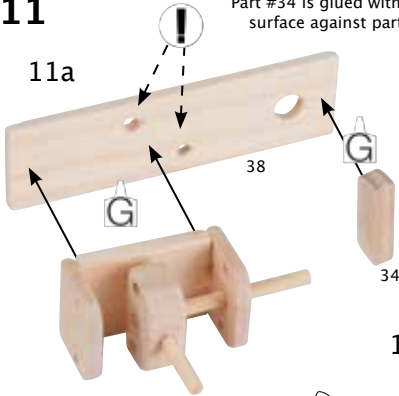
10d



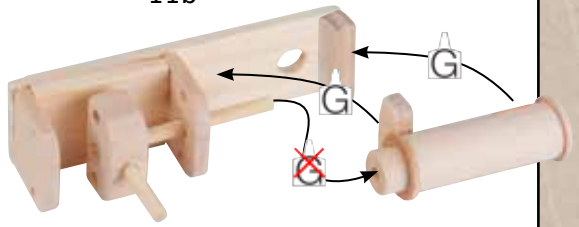
# 11

Part #34 is glued with the flat surface against part #28.

11a



11b

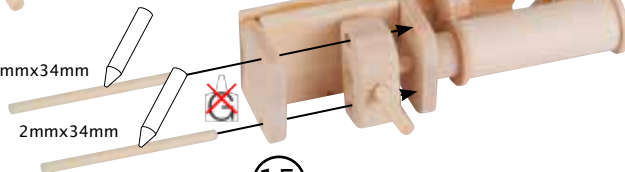


11c



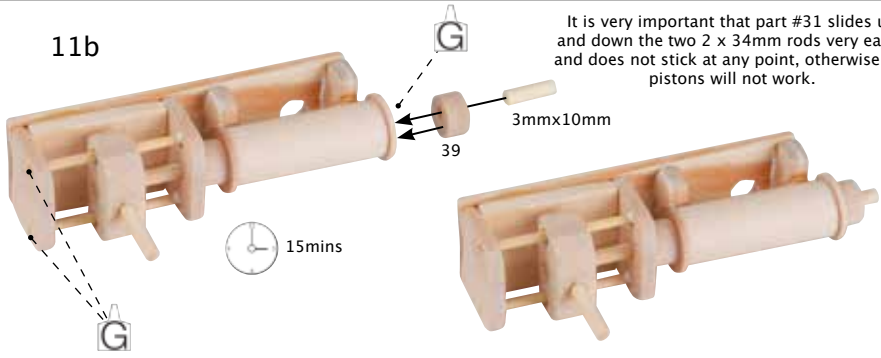
2mmx34mm

2mmx34mm





11b



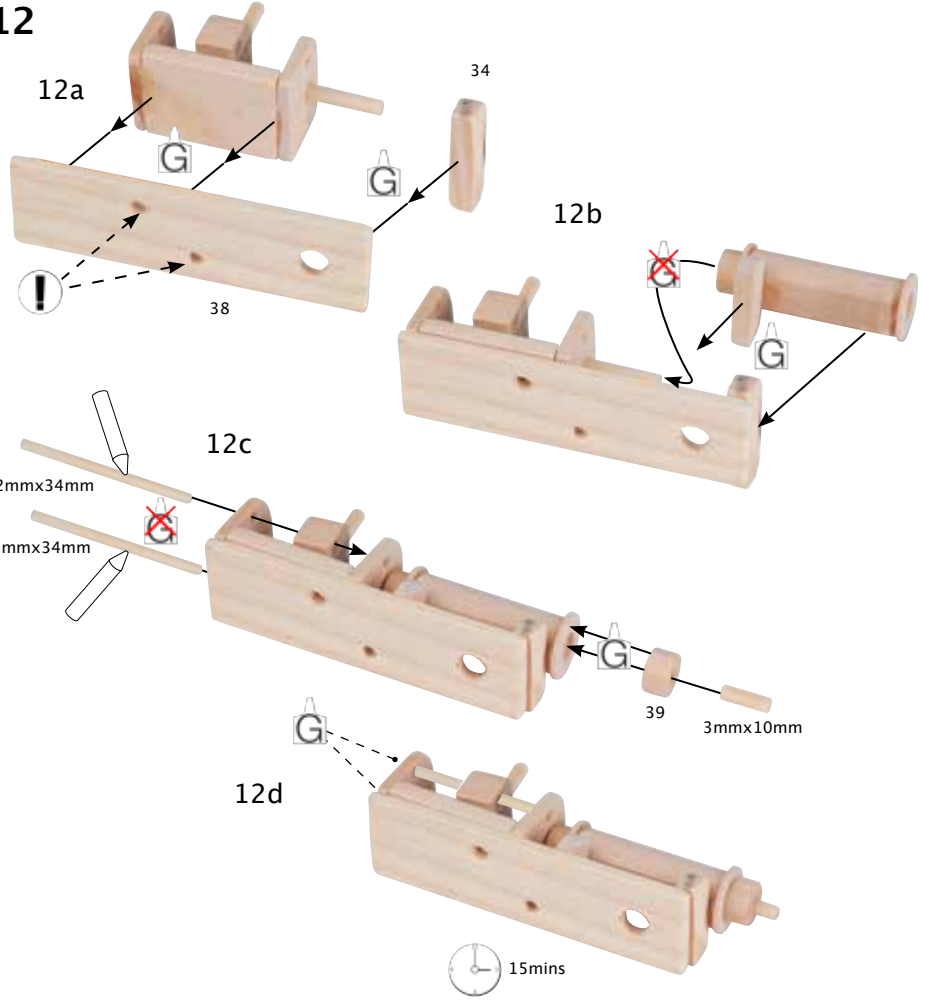
It is very important that part #31 slides up and down the two 2 x 34mm rods very easily and does not stick at any point, otherwise the pistons will not work.

15mins

3mmx10mm

39

12



12a

34

12b

38

12c

2mmx34mm

2mmx34mm

39

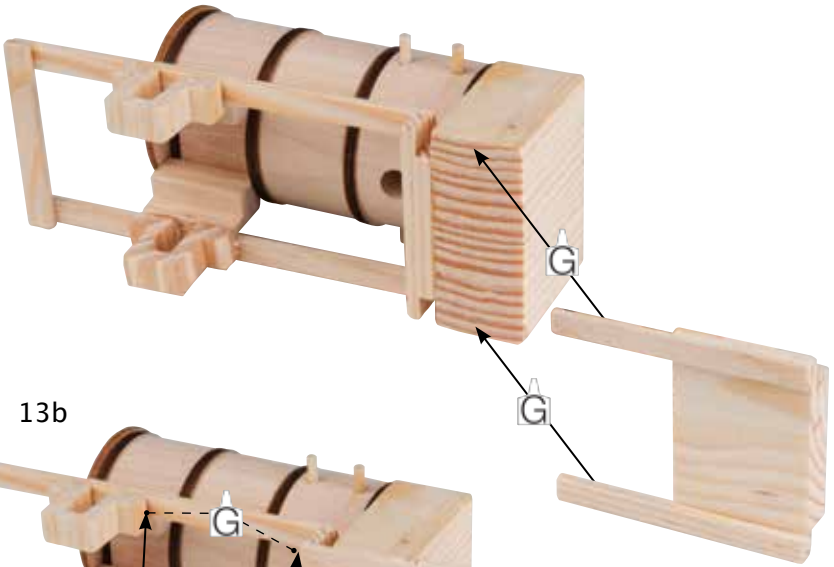
3mmx10mm

12d

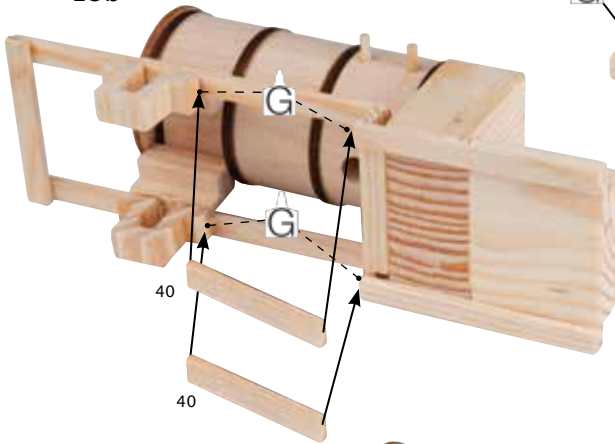
15mins

# 13

13a

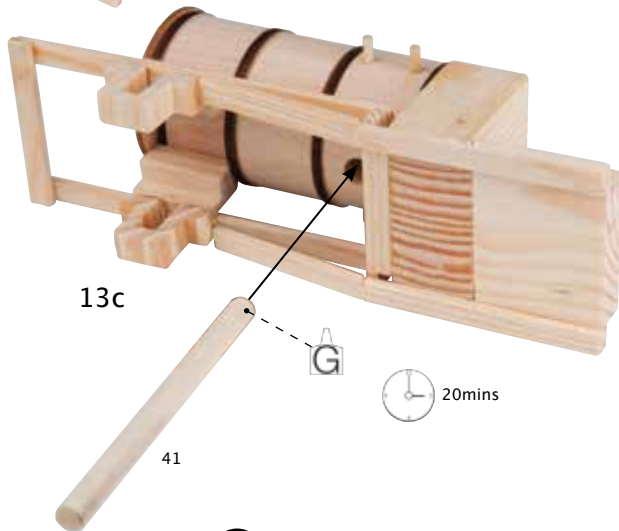


13b



You may want to sand the parts #40 to ensure good fit.

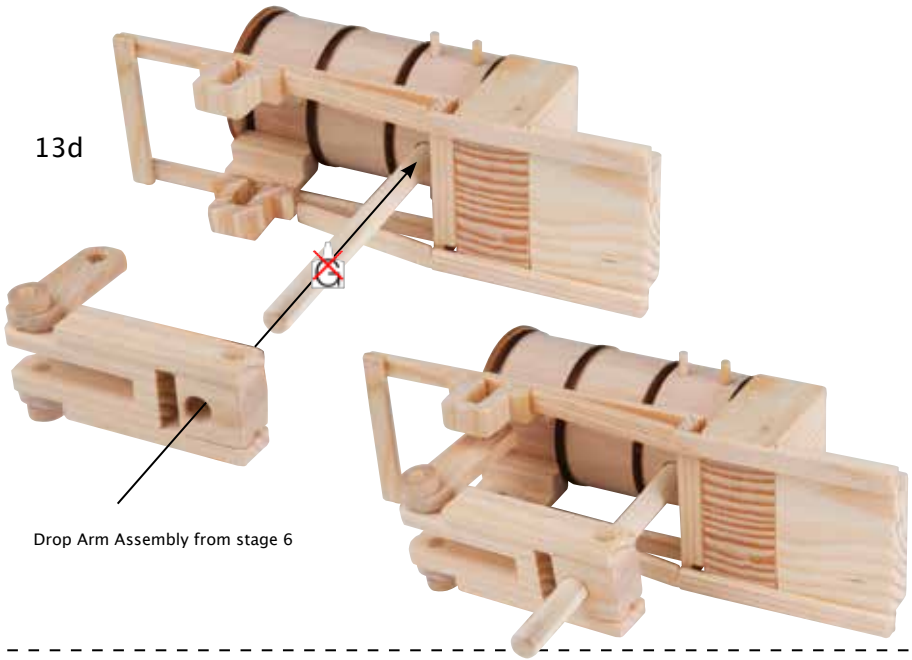
13c



41



13d



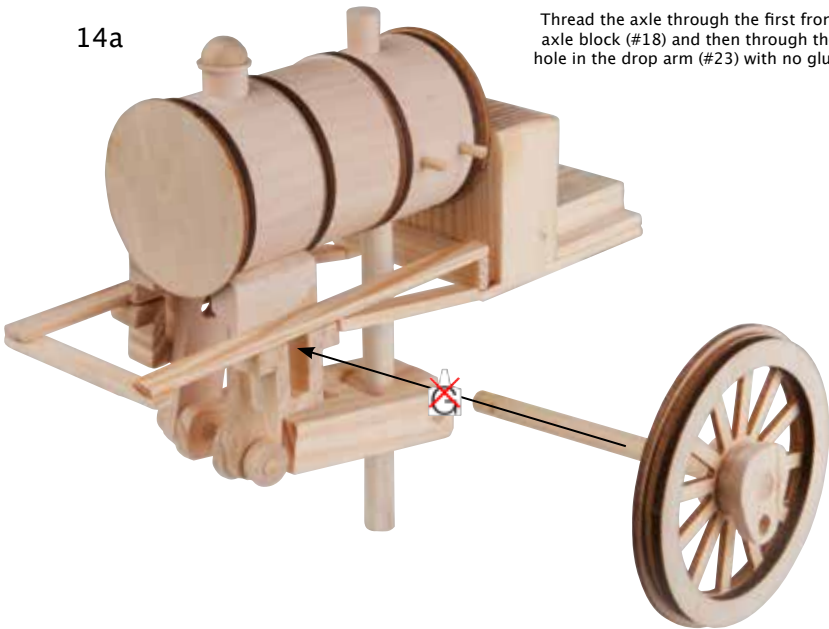
Drop Arm Assembly from stage 6

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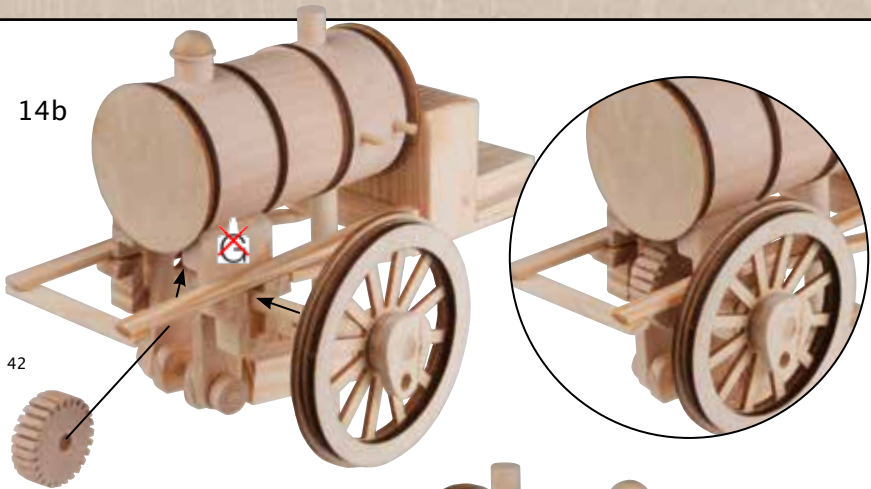
## 14

14a

Thread the axle through the first front axle block (#18) and then through the hole in the drop arm (#23) with no glue.



14b

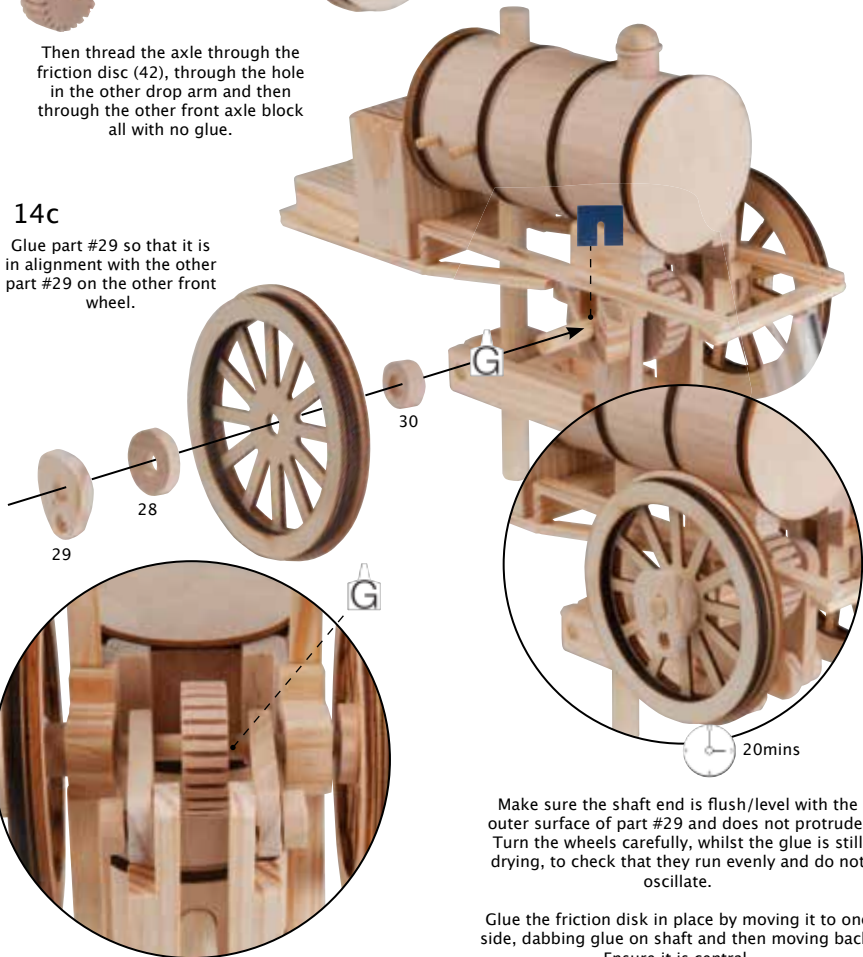


42

Then thread the axle through the friction disc (42), through the hole in the other drop arm and then through the other front axle block all with no glue.

14c

Glue part #29 so that it is in alignment with the other part #29 on the other front wheel.



29

28

30

G

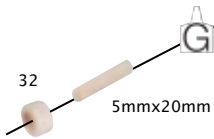
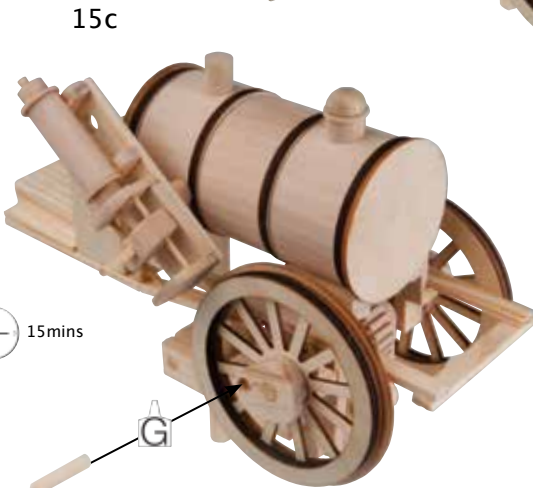
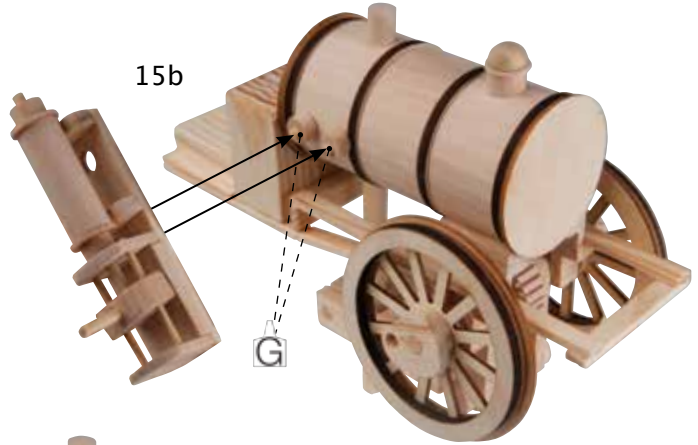
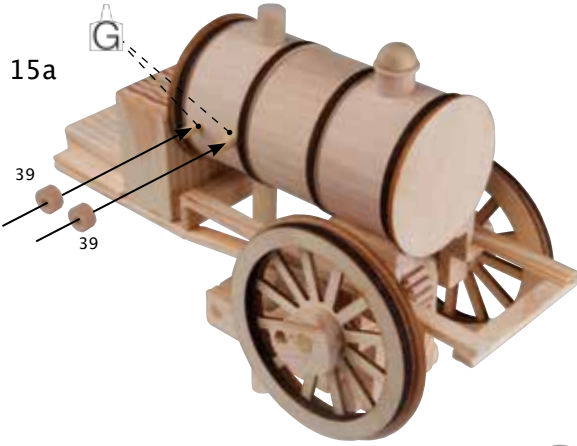
G

20mins

Make sure the shaft end is flush/level with the outer surface of part #29 and does not protrude. Turn the wheels carefully, whilst the glue is still drying, to check that they run evenly and do not oscillate.

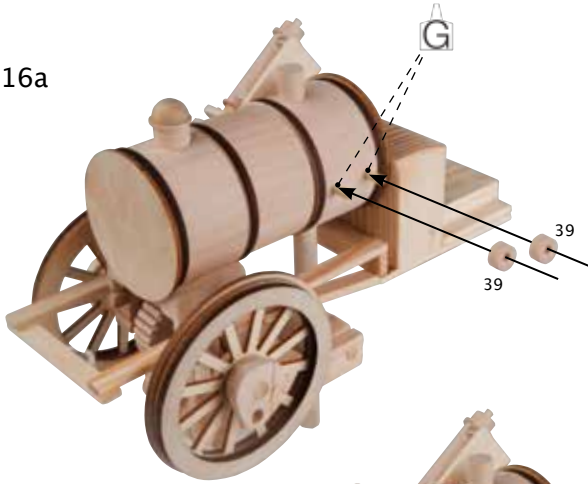
Glue the friction disk in place by moving it to one side, dabbing glue on shaft and then moving back. Ensure it is central.

# 15

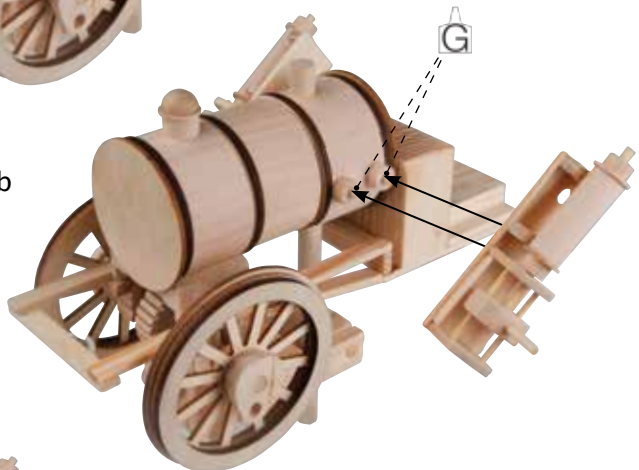


# 16

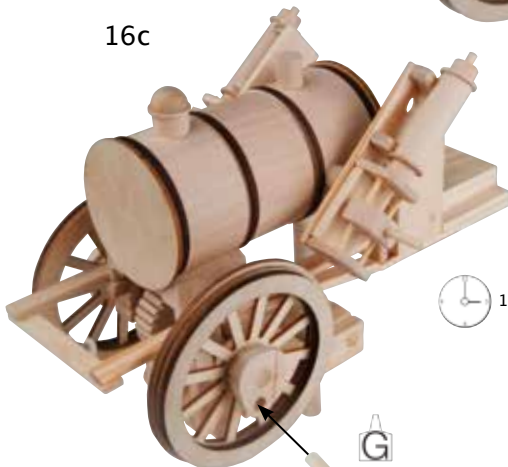
16a



16b



16c



15mins

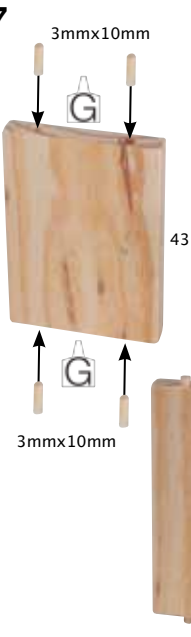
5mmx20mm



32

# 17

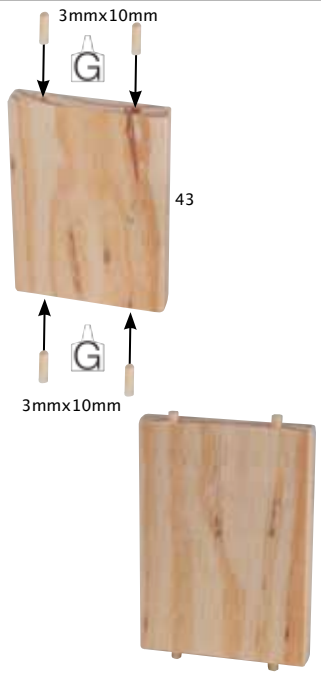
17a



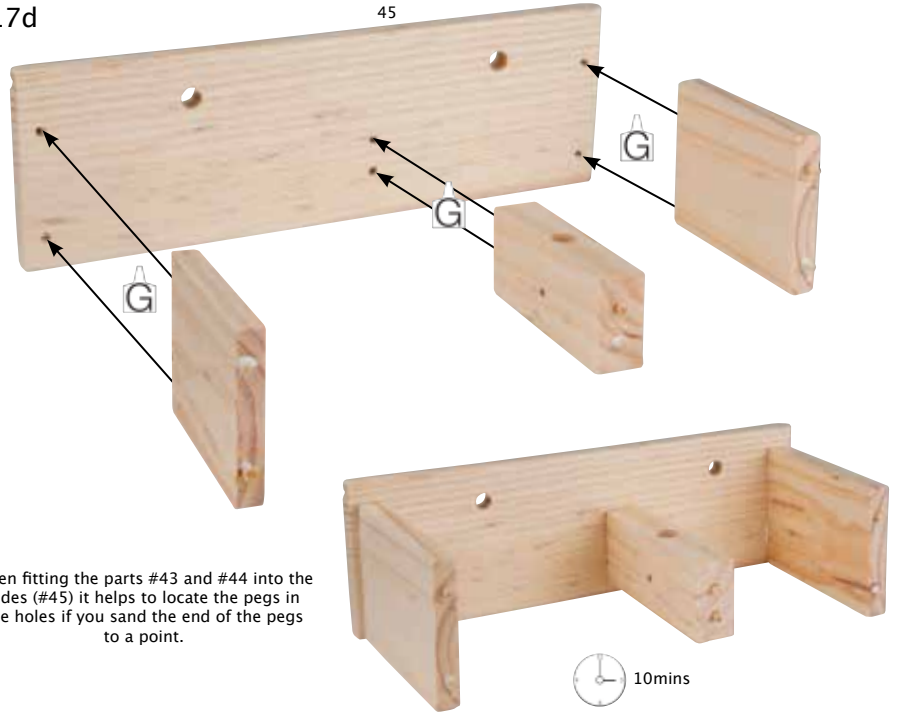
17b



17c



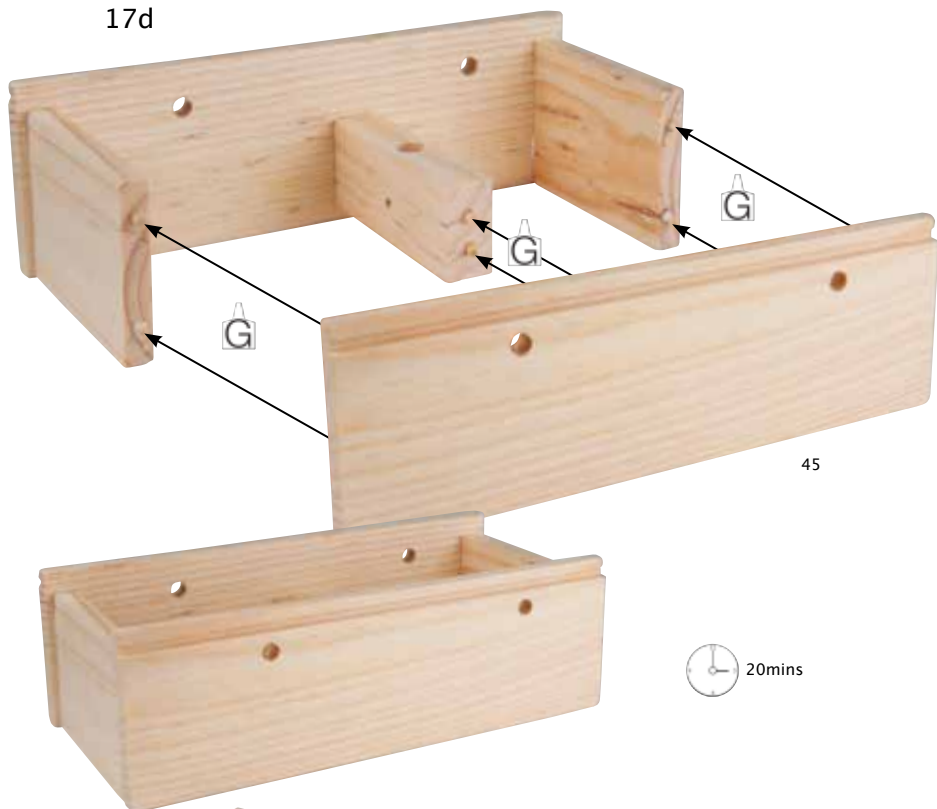
17d



When fitting the parts #43 and #44 into the sides (#45) it helps to locate the pegs in the holes if you sand the end of the pegs to a point.



17d



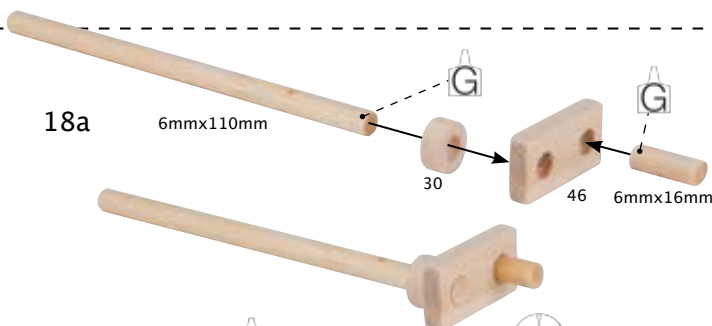
45



18

18a

6mmx110mm



30

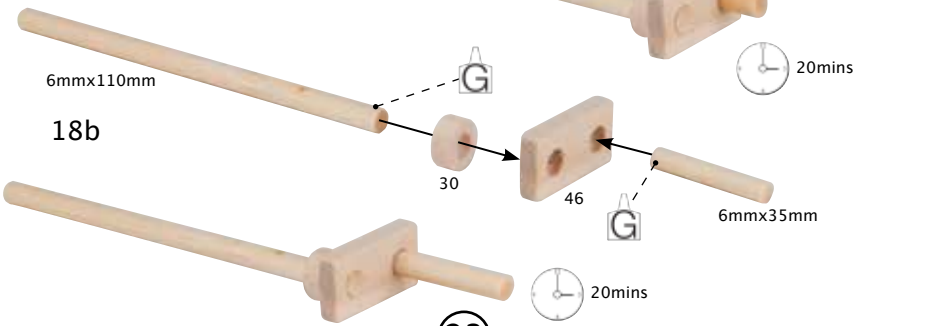
46

6mmx16mm



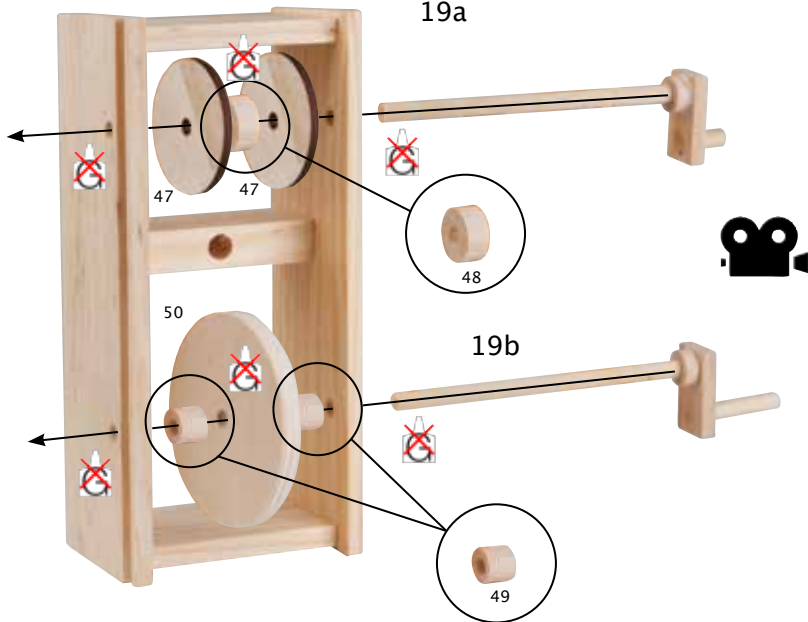
6mmx110mm

18b

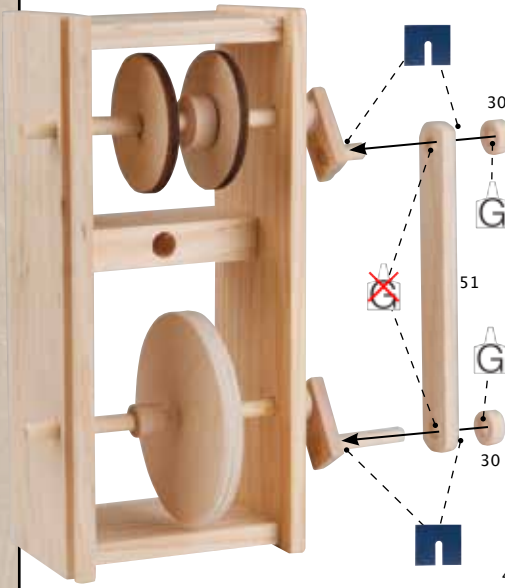




19

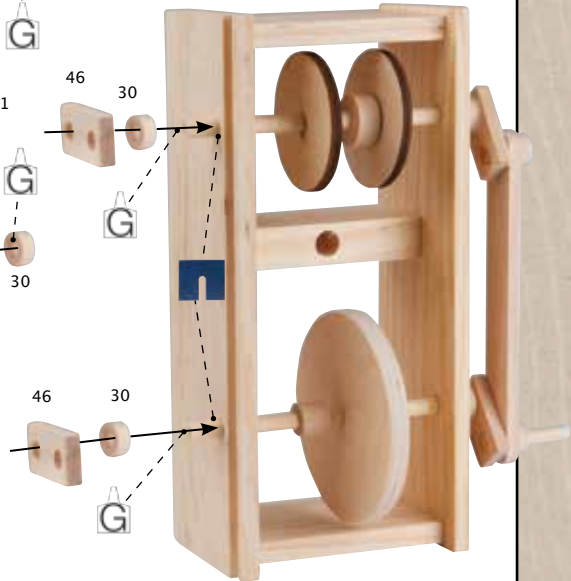


19c



19d

When gluing on the cranks (#46) to the shafts make sure the end of the shaft is flush/level with the surface of the cranks (#46) and that none of the shaft is protruding.

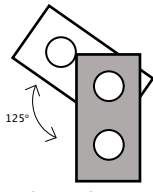


19e

6mmx16mm

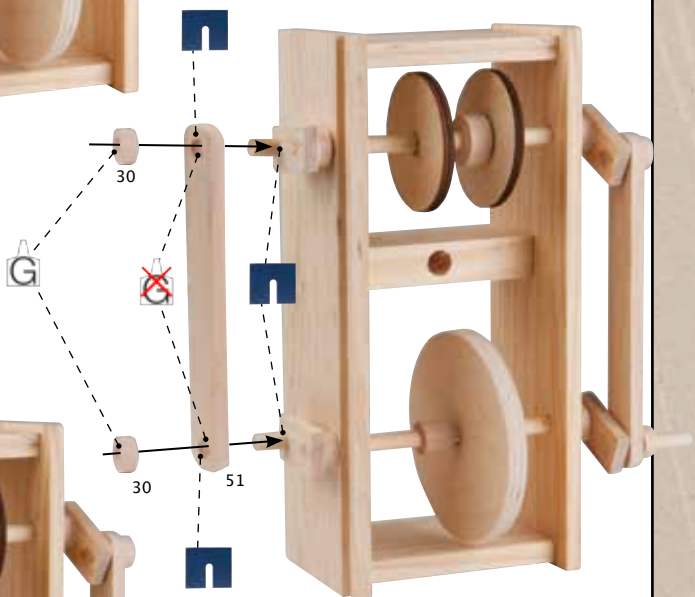
G

6mmx16mm



When gluing the cranks (#46) onto the shafts, make sure that they are positioned at the angle illustrated above on opposite ends of the main drive shafts on either side of the main base unit.

19f



19g

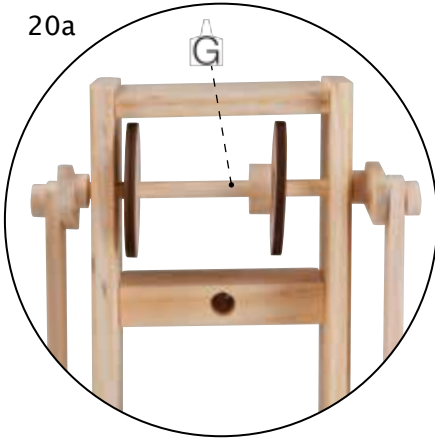


Slowly turn the 6mm x 35mm handle just to check that the crank assembly runs smoothly before the glue is completely dry. If it doesn't, adjust the angles slightly on the cranks (#46).

 30mins

# 20

20a

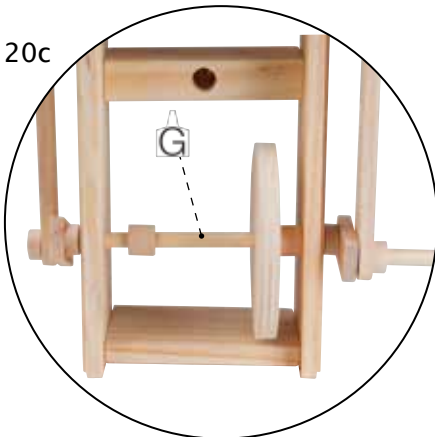


20b

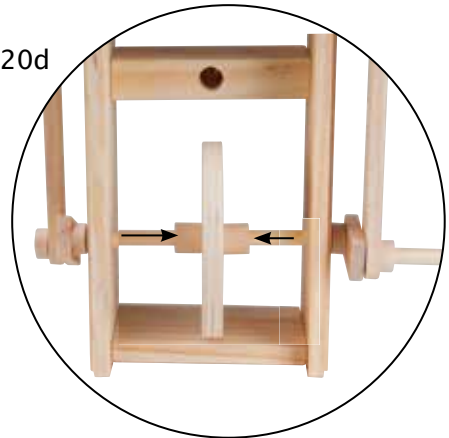


Put a dab of glue on the shaft, on either side of the part #48, and then push up the two parts #47. Make sure they are central (as shown) and that they do not oscillate when the handle is turned.

20c



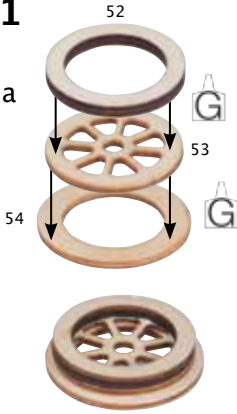
20d



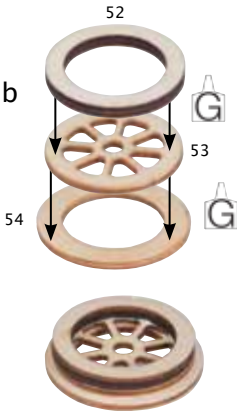
Repeat the above process with the front drive disc (# 50), making sure it is central and does not oscillate.

# 21

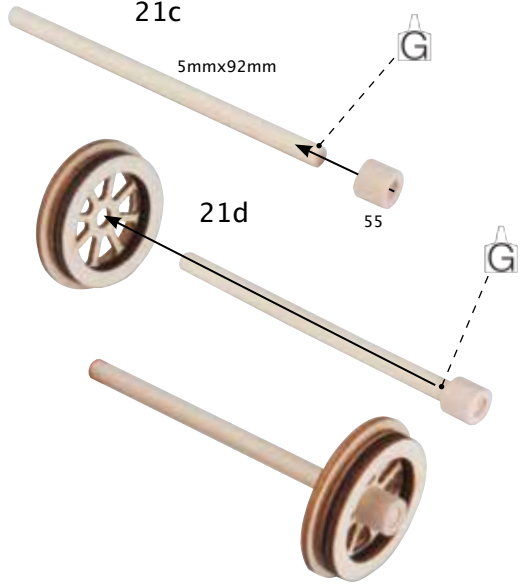
21a



21b

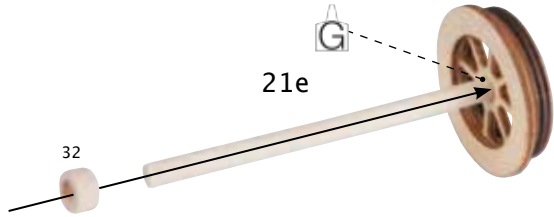


21c

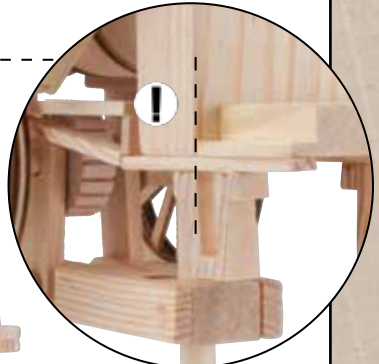
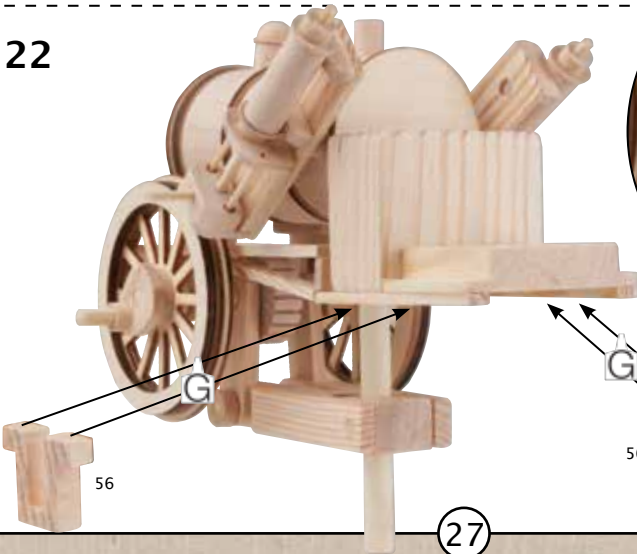


21d

21e

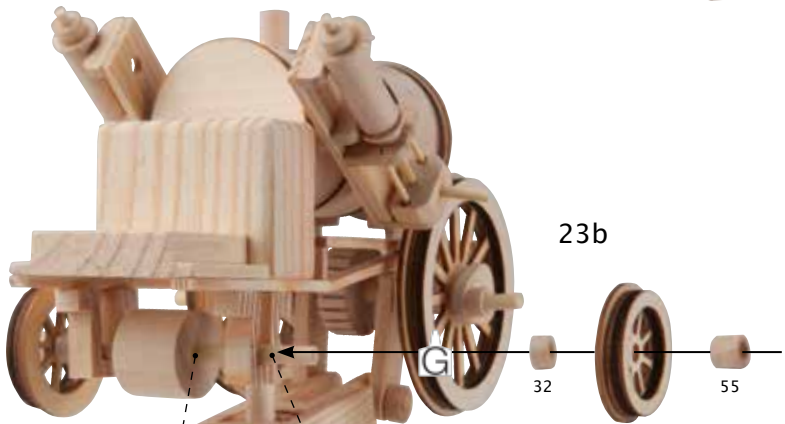
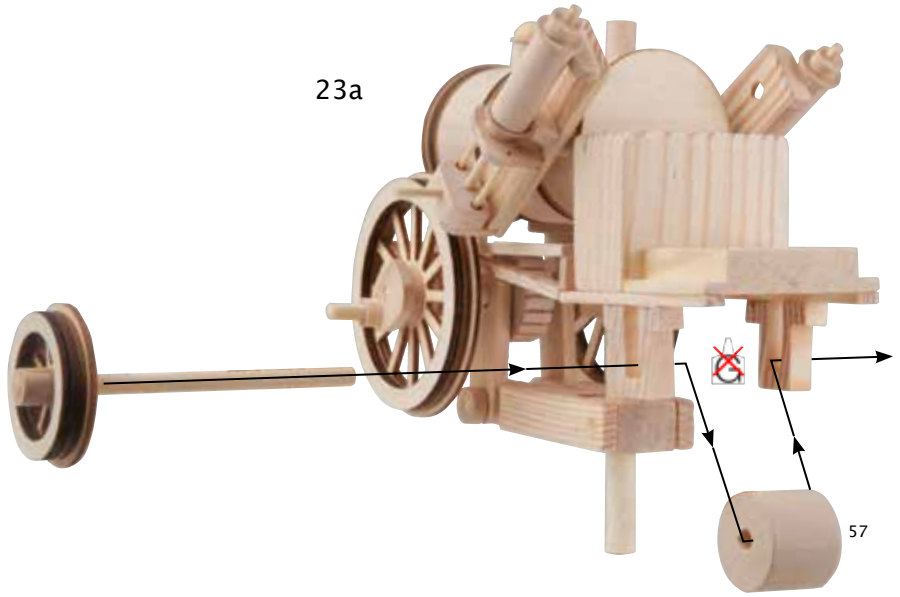


# 22



Line up the front inside edge of the Rear Drop Axle (56) with the back of the Firebox (13) as shown.



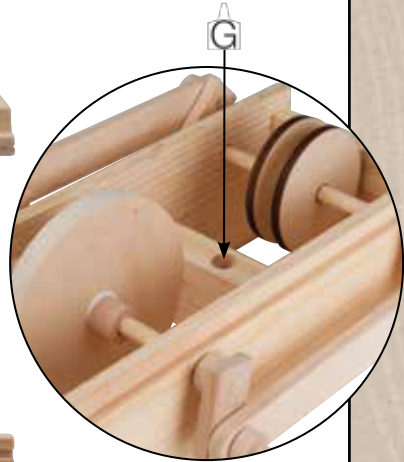
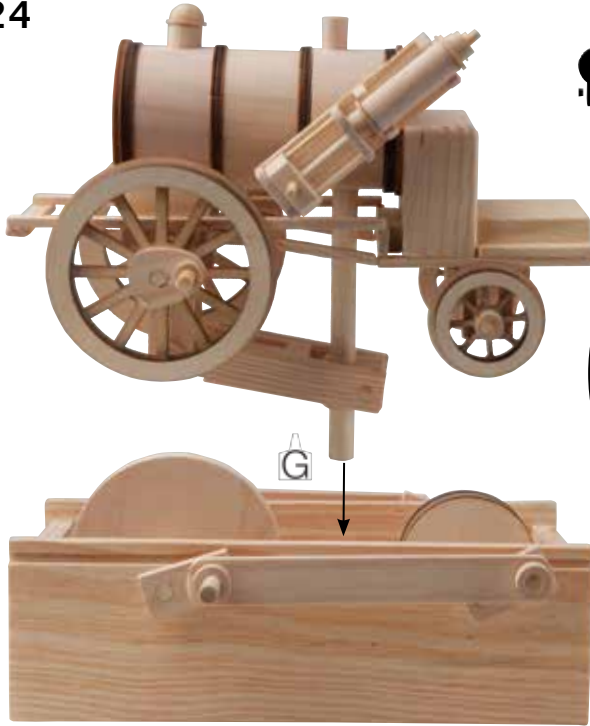


When the wheel is in place, glue part 57 centrally on the rear axle.

Push the spacer #55 so that it is level with the end of the shaft (5x92).

Carefully turn the wheels to check they do not oscillate.

24



Put a generous amount of glue in the 12mm hole in the base (as shown) and carefully push down the main shaft (#41).

Push down a little at a time and keep turning the handle until all 4 wheels start to turn freely.

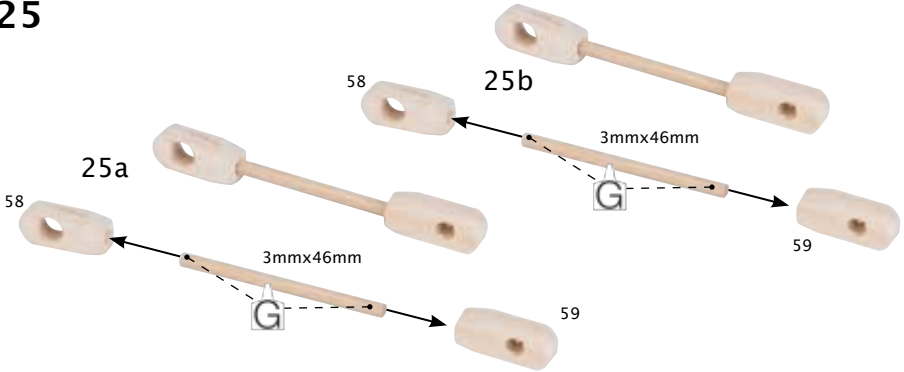
You will need to put glue halfway up the shaft and raise up the pivot block (#22) until it is at an angle of about 30° to the base sides (as shown).

This helps turn the wheels freely and is important.

While the glue is drying it is a good idea to lay the model on one end so the parts dry in the correct position and don't slide down.



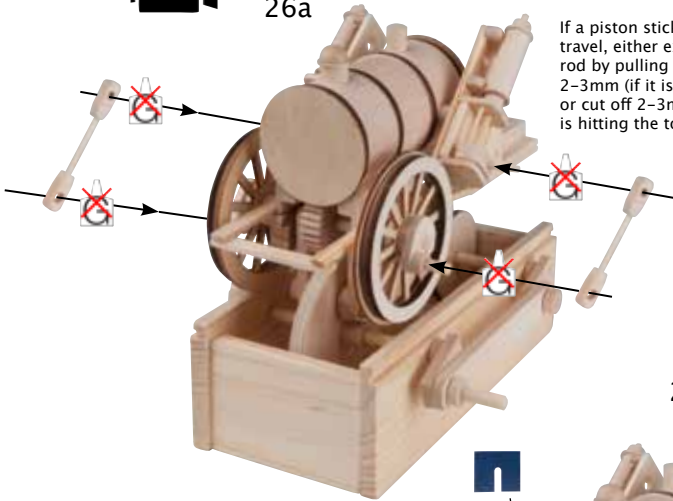
25



26



26a

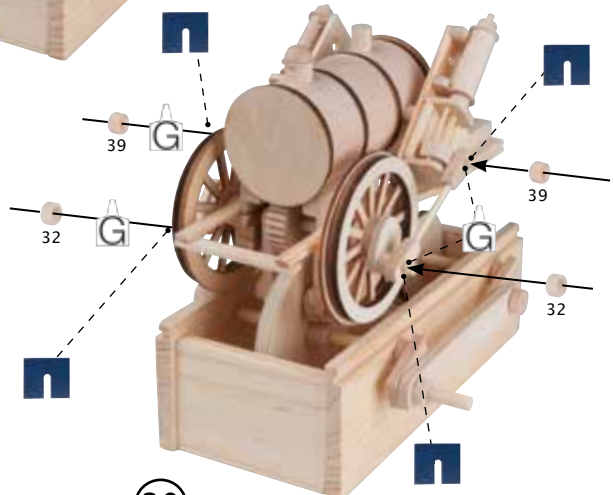


Whilst the glue is still drying on #58 and #59, follow steps 26 and 26b.

Fit one side at a time.

If a piston sticks at the top or bottom of its travel, either extend the length of the 3 x 46mm rod by pulling the parts #58 and #59 out by 2-3mm (if it is hitting the bottom Piston Plate) or cut off 2-3mm from the 3 x 46mm rod (if it is hitting the top Piston Plate).

26b

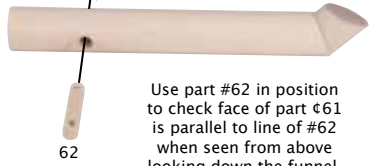


# 27

## 27a



## 27b



Use part #62 in position to check face of part #61 is parallel to line of #62 when seen from above looking down the funnel.

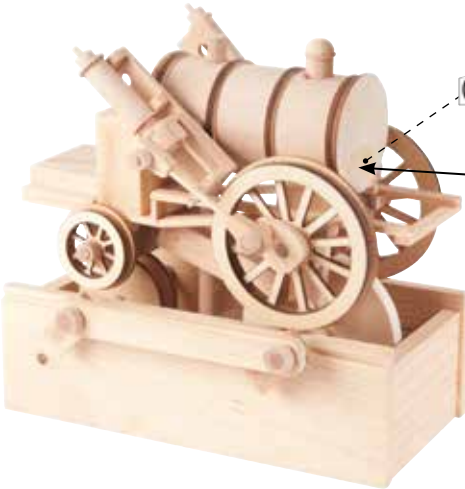
## 27c

63



15mins

# 28



If you have any super glue use a drop at this stage otherwise you may be holding the funnel for a long time!

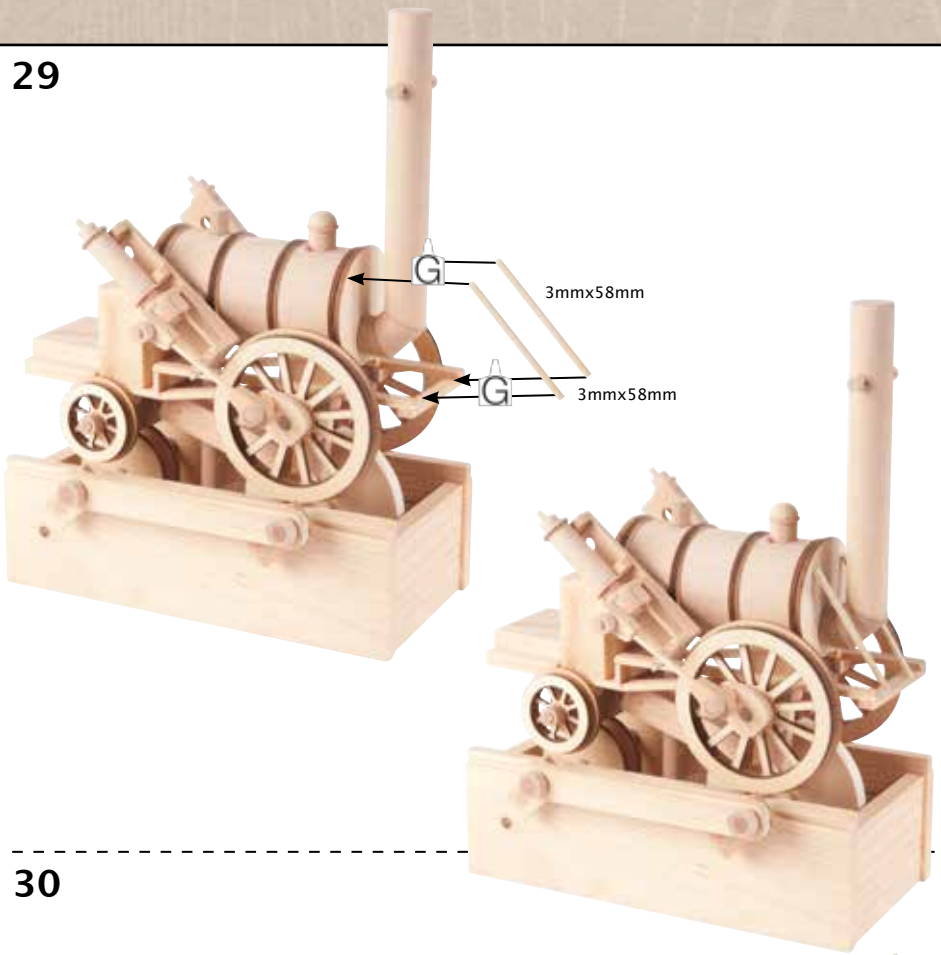


30mins

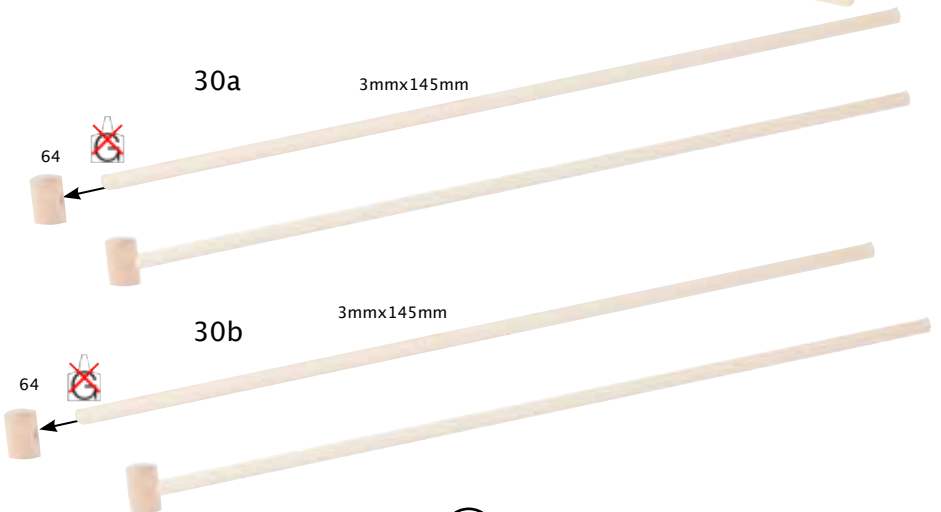




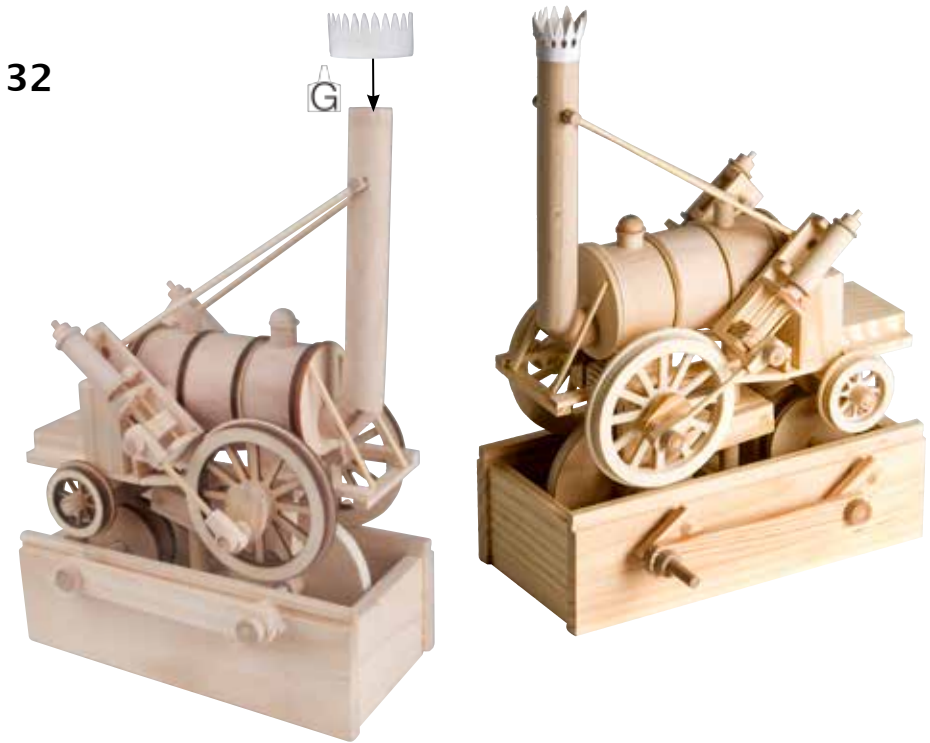
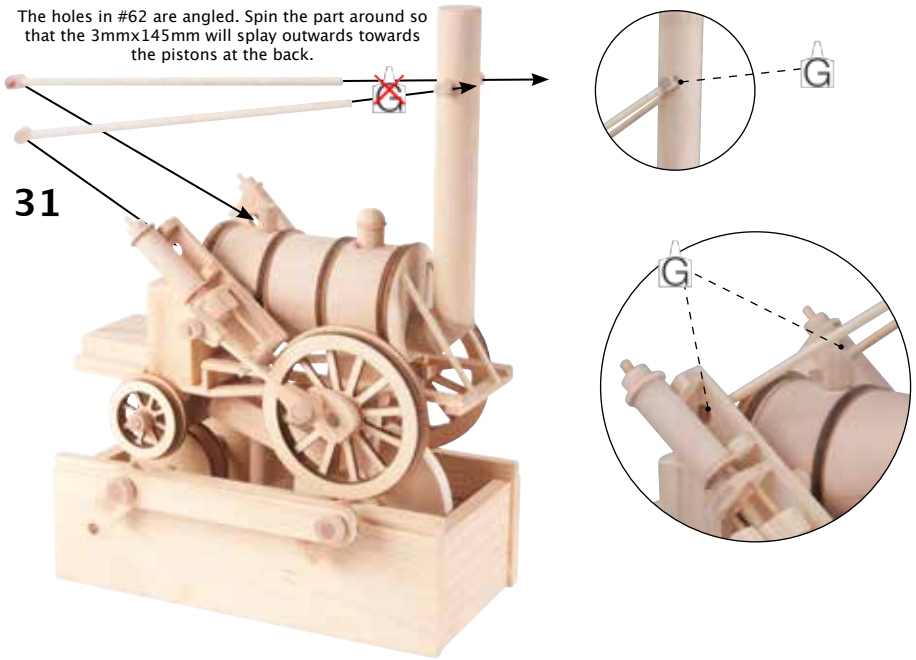
29



30



The holes in #62 are angled. Spin the part around so that the 3mmx145mm will splay outwards towards the pistons at the back.



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