



# Timberkits

## The Rocket



CE

(UK) Symbols in these instructions. (FR) Symboles des instructions. (ESP) Simbolos 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) Appicare 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 protección de el pegamento. durante la fase de esamblaje, 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/suggerimenti utili/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 las 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

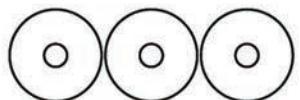
(UK) Check assembly before gluing  
(FR) Vérifier le montage avant collage  
(ESP) Controlar el montaje antes de empezar a pegar  
(IT) Controllare l'assemblaggio prima di incollare  
(DE) Montage prüfen vor dem einklebern

(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

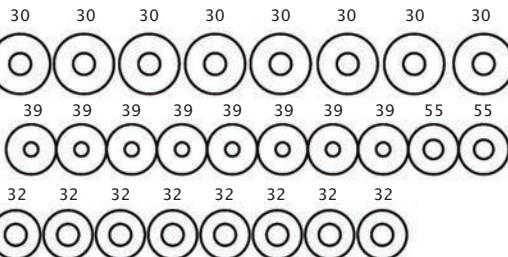
#### Colouring tips/conseils concernant l'application de peinture/ consejos para Pintar/ suggerimenti per colorare/lackiertipps

(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 tocaran. 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 più 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

48      28      28



49      49      10



15

15

3x145mm x2

6x110mm

6x110mm

6x90mm

5x92mm

5x88mm

3x58mm x2

3x46mm x2

3x38 x2

2x34mm x4

3x18mm x2

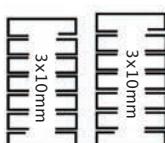
3x16mm

x2

x2

3x12mm

3x12mm



64      64

5x16mm

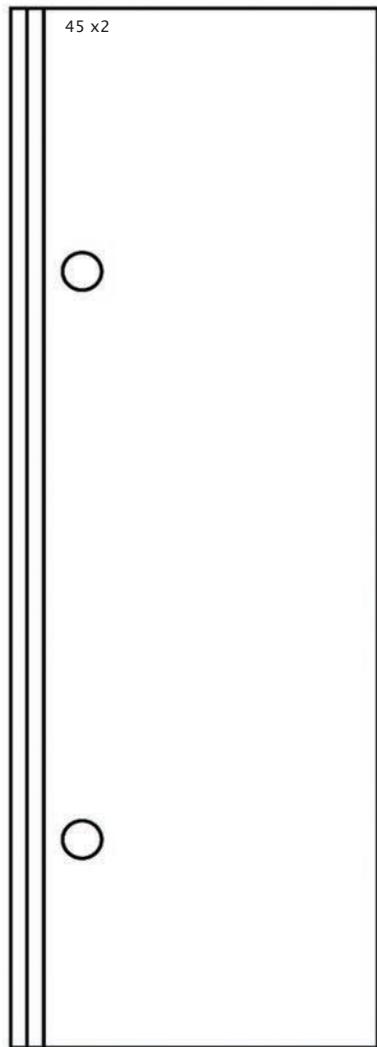
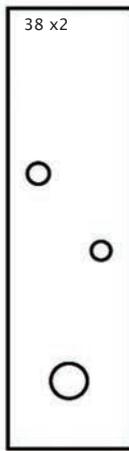
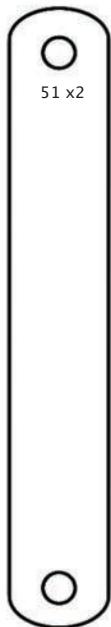
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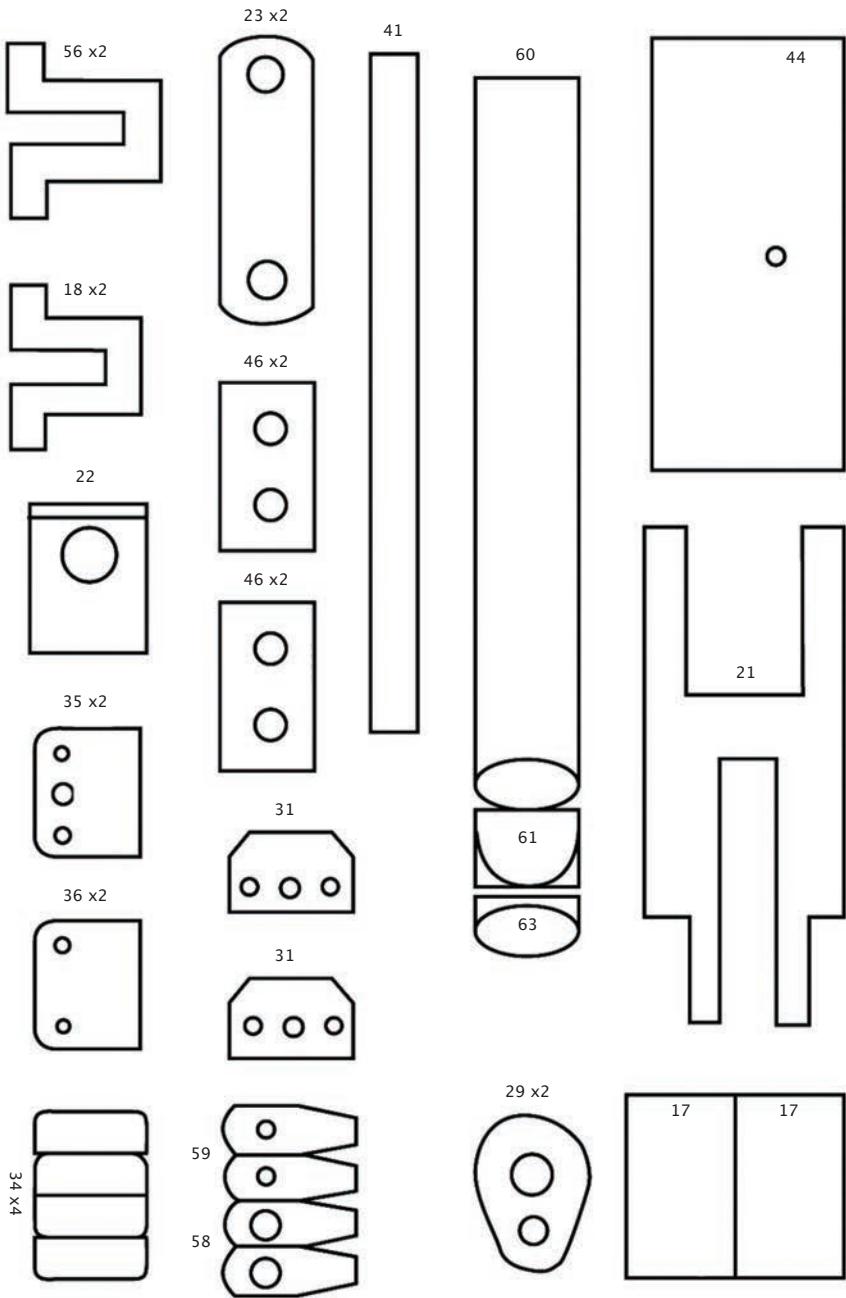
5x20mm

5x32mm

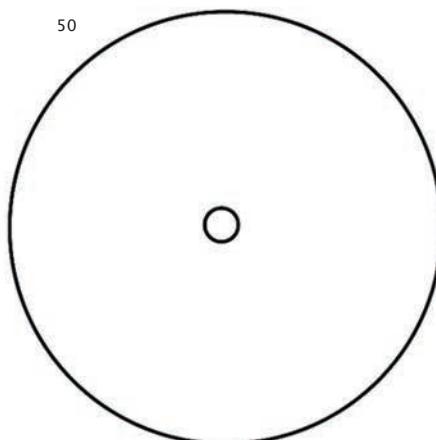
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6x35mm

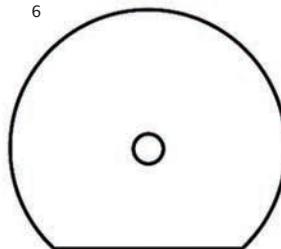




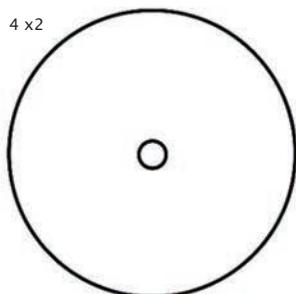
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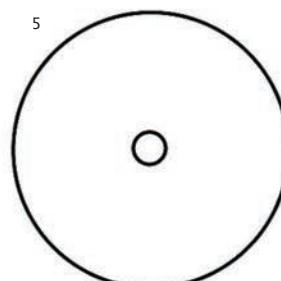
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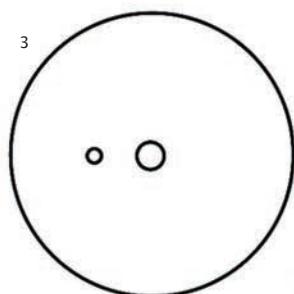
4 x2



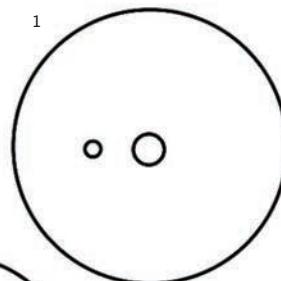
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3



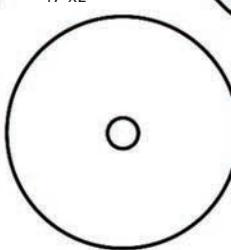
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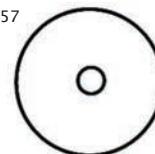
37 x2

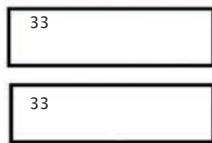
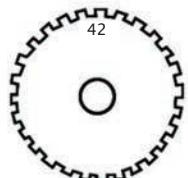
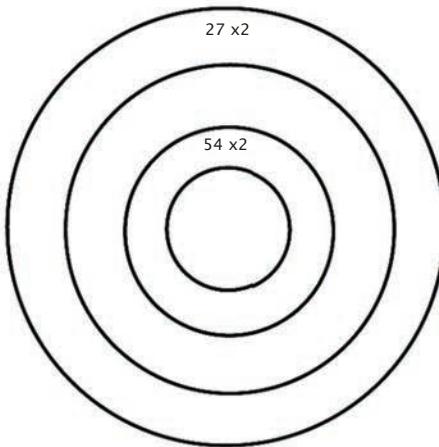
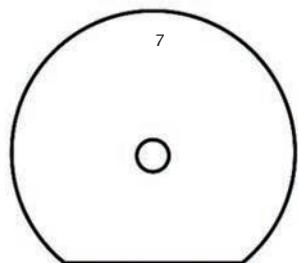
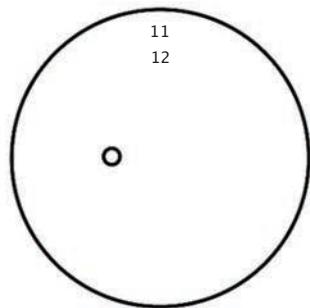
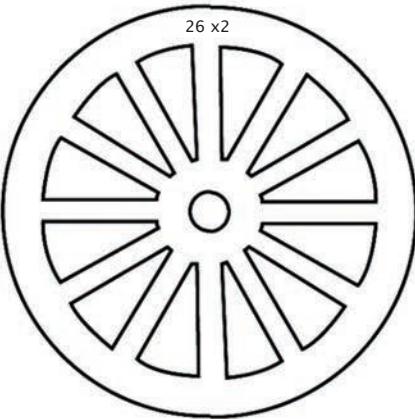
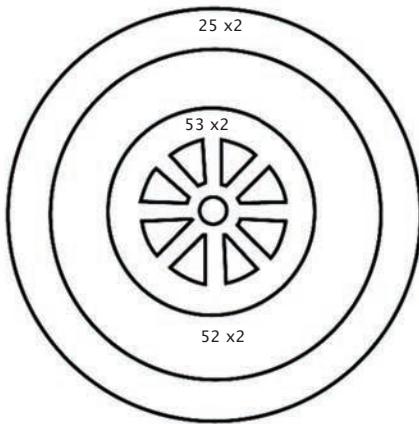


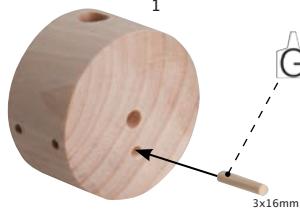
47 x2



57

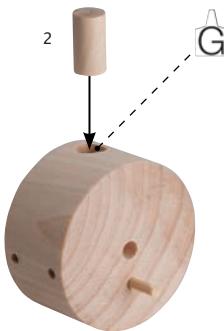




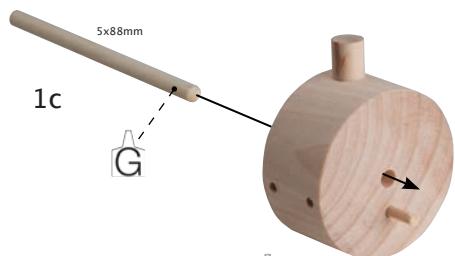
**1****1a**

G

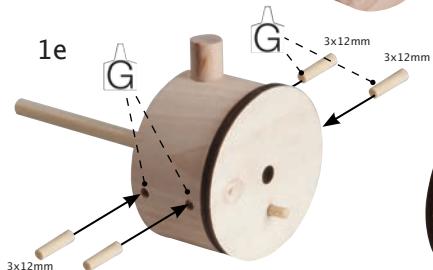
3x16mm

**1b**

G

**1c**

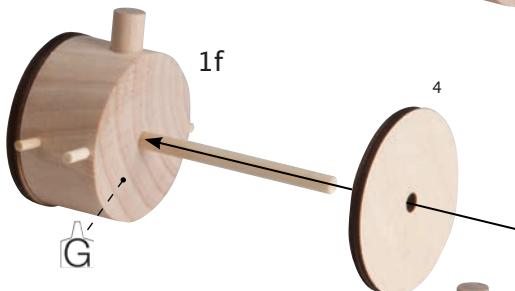
G

**1e**

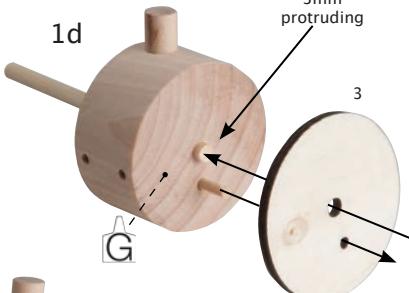
G

3x12mm

3x12mm

**1f**

4

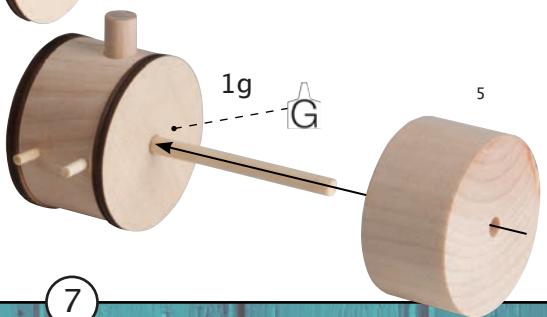
**1d**

3mm protruding

3

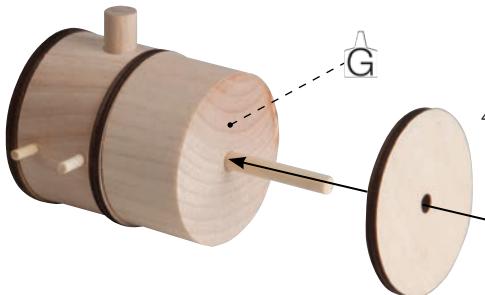
G

7

**1g**

5

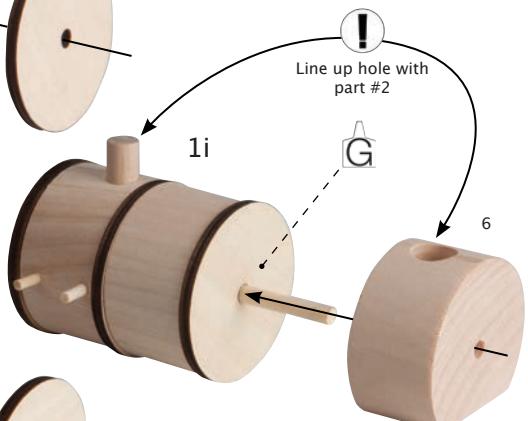
1h



4

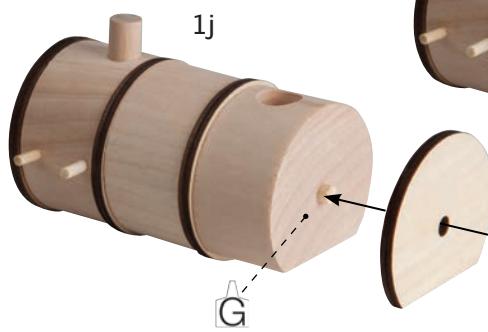
Line up hole with  
part #2

1i



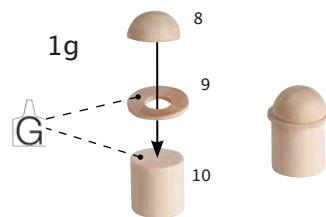
6

1j



7

1g

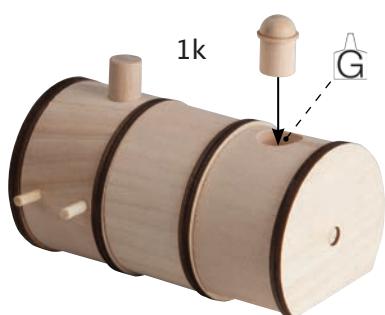


8

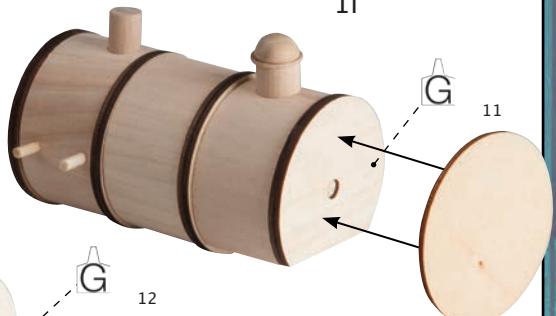
9

10

1k

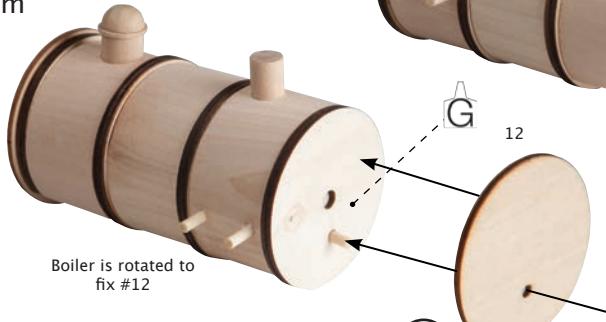


1l



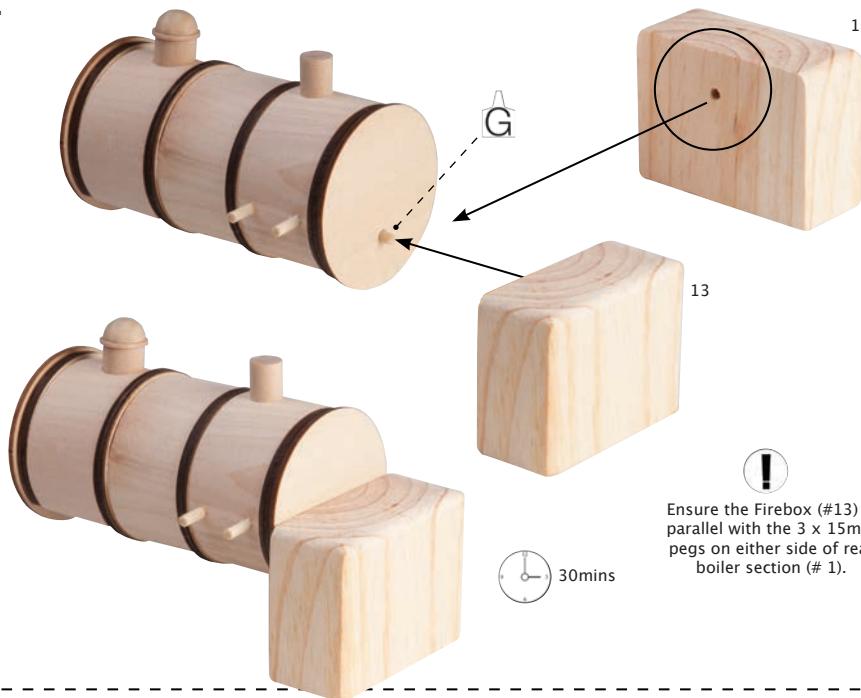
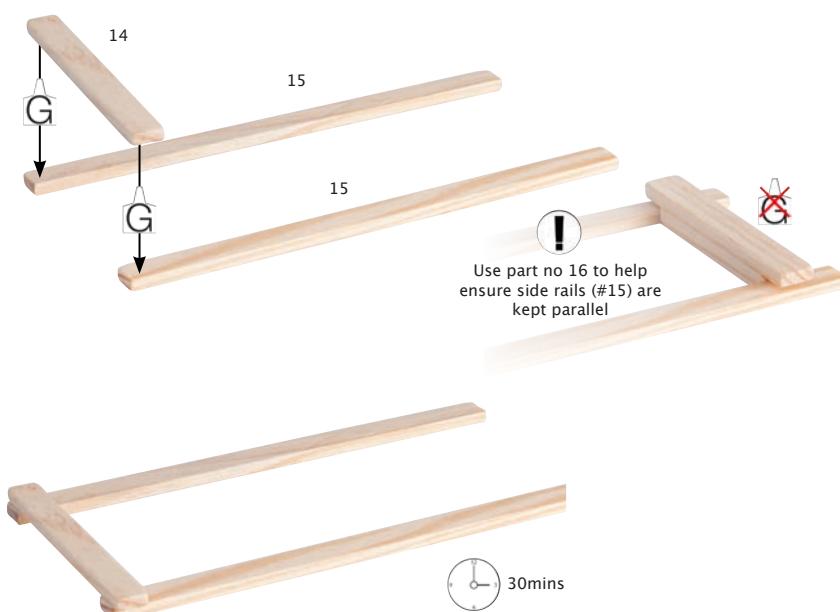
11

1m

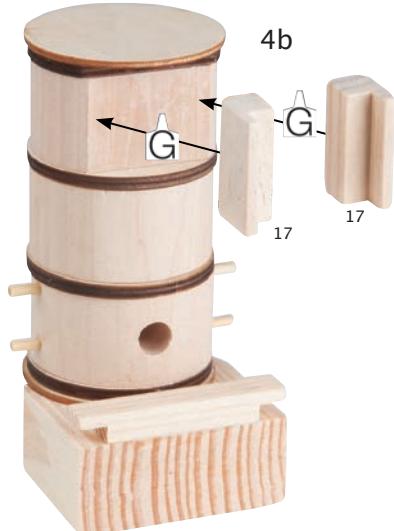
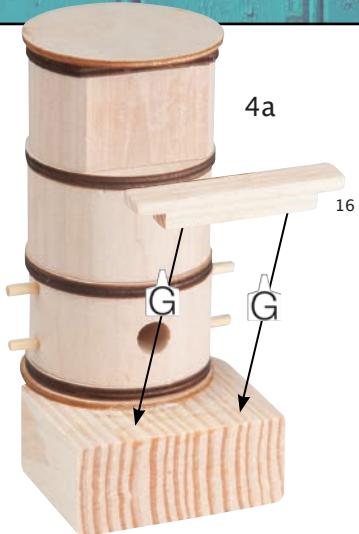


12

8

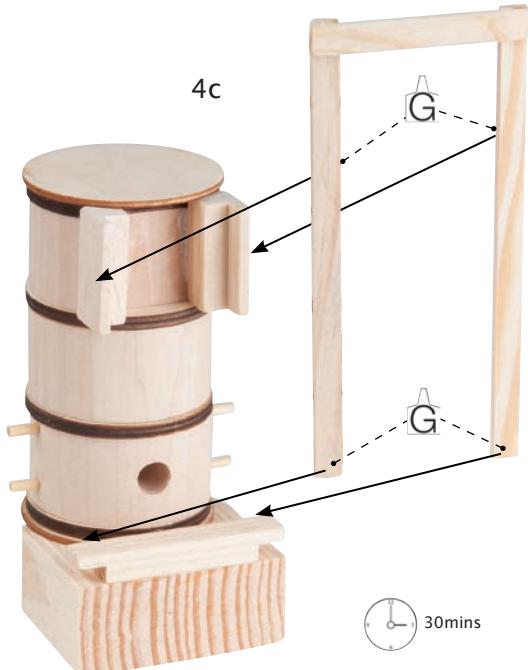
**2****3**

4

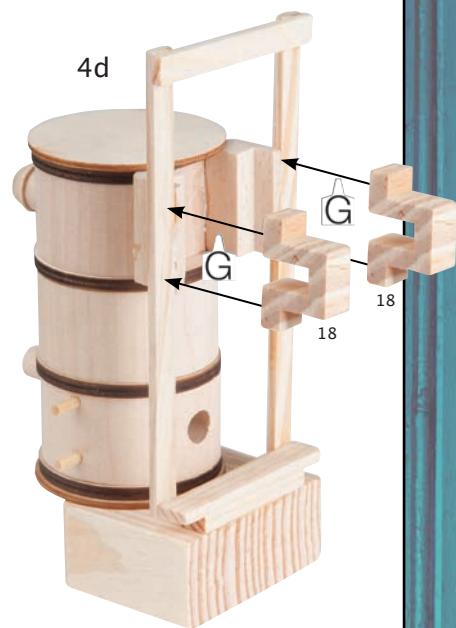


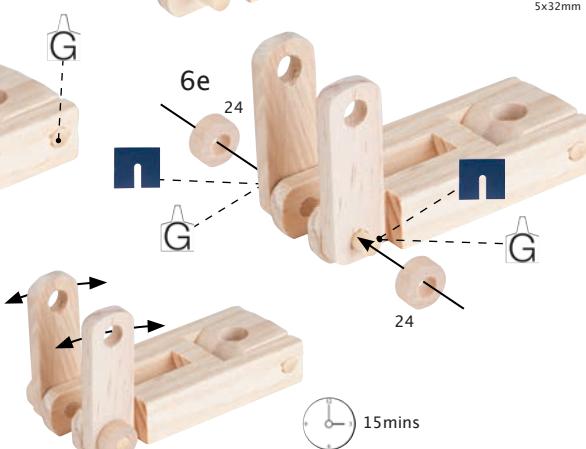
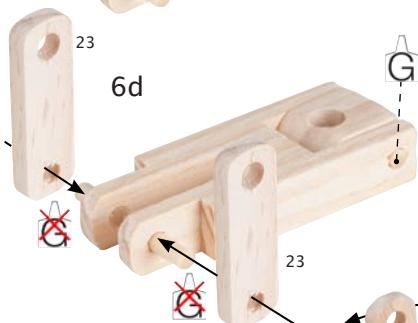
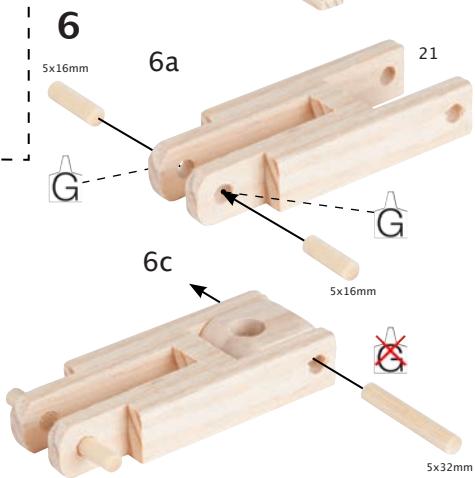
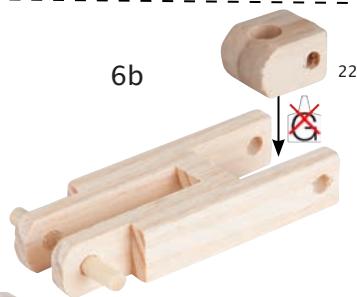
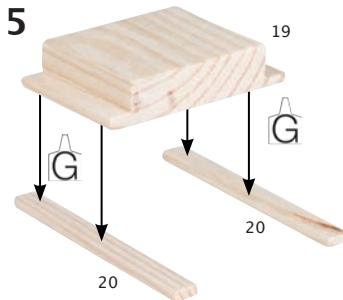
Whilst the glue holding the two parts #17 is still drying, position and glue the frame built in section 3. Adjust the two parts #17 to fit against the inner rims of the frame. The bottom of the two parts #17 must be level with the underside surface of the frame as the two front axle blocks (#18) need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

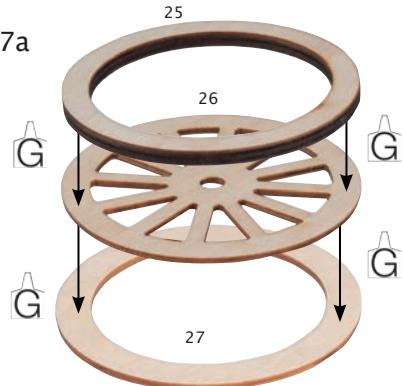
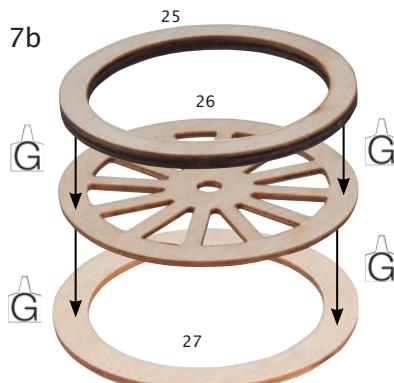
4c



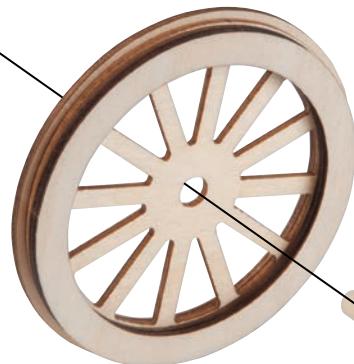
4d



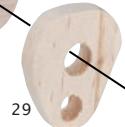


**7****7a****7b**

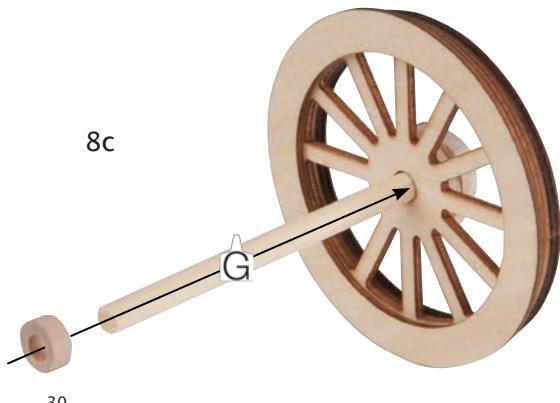
10mins

**8****8b****8a**

6x90mm

**G****28****29****12**

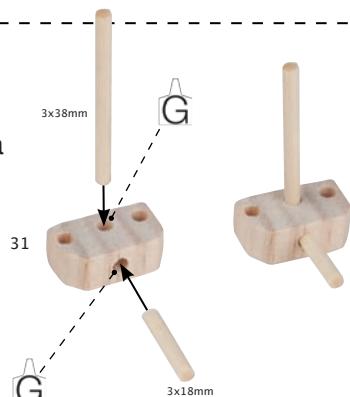
8c



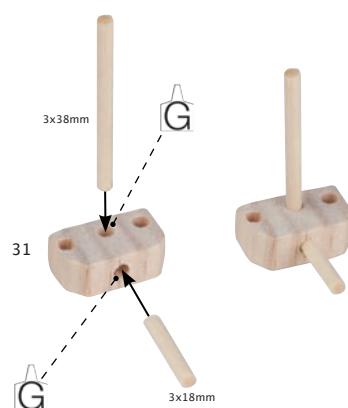
10mins

9

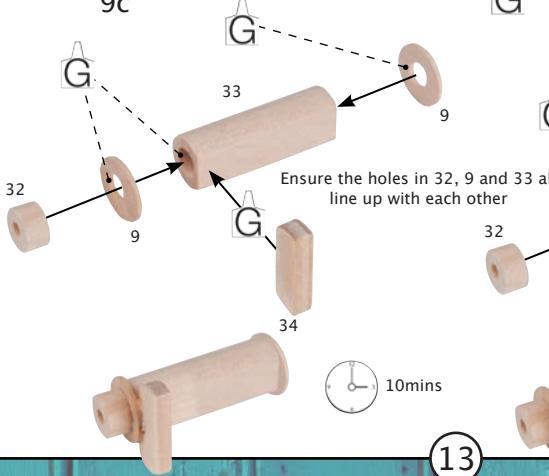
9a



9b

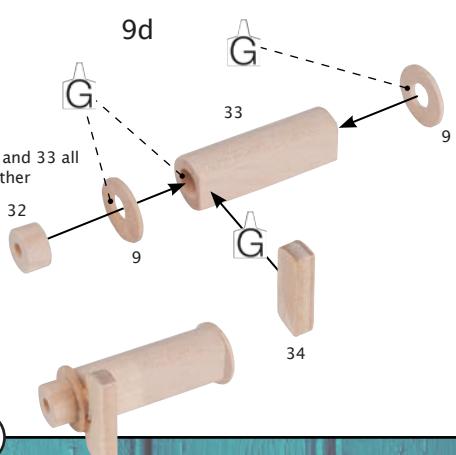


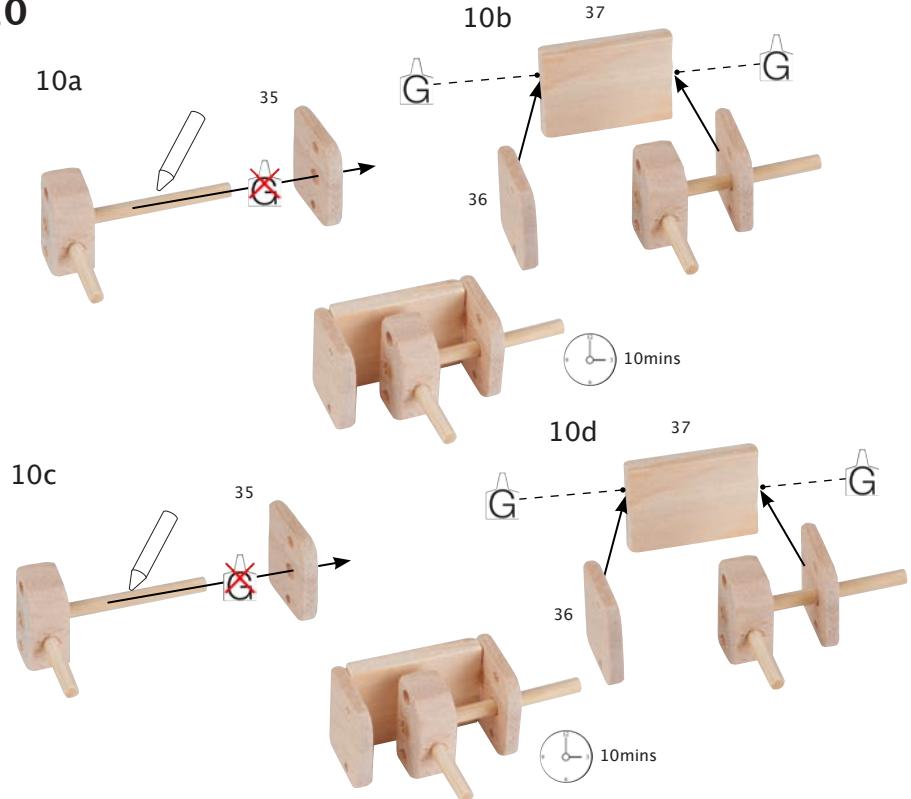
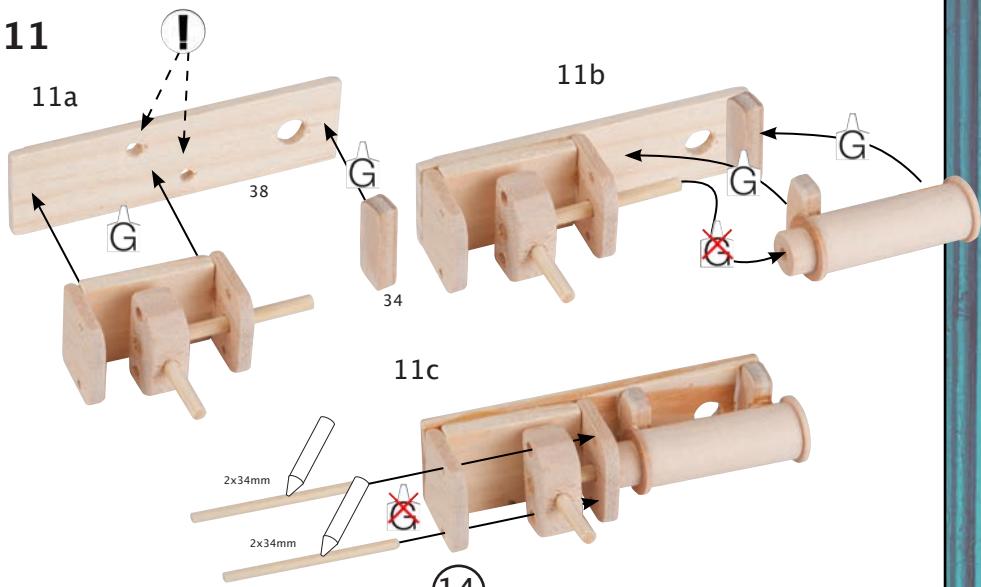
9c



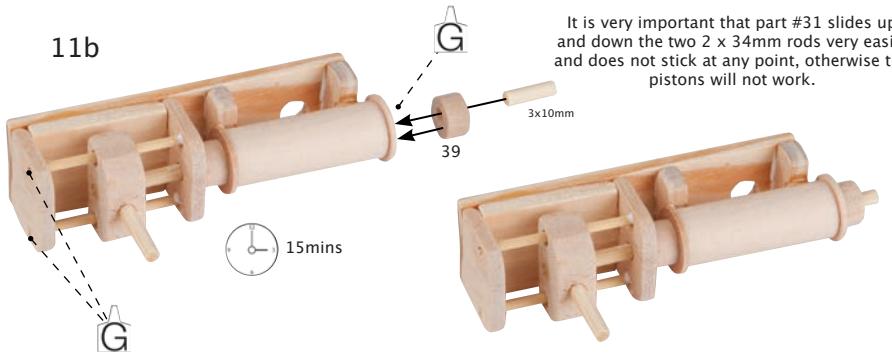
Ensure the holes in 32, 9 and 33 all line up with each other

9d

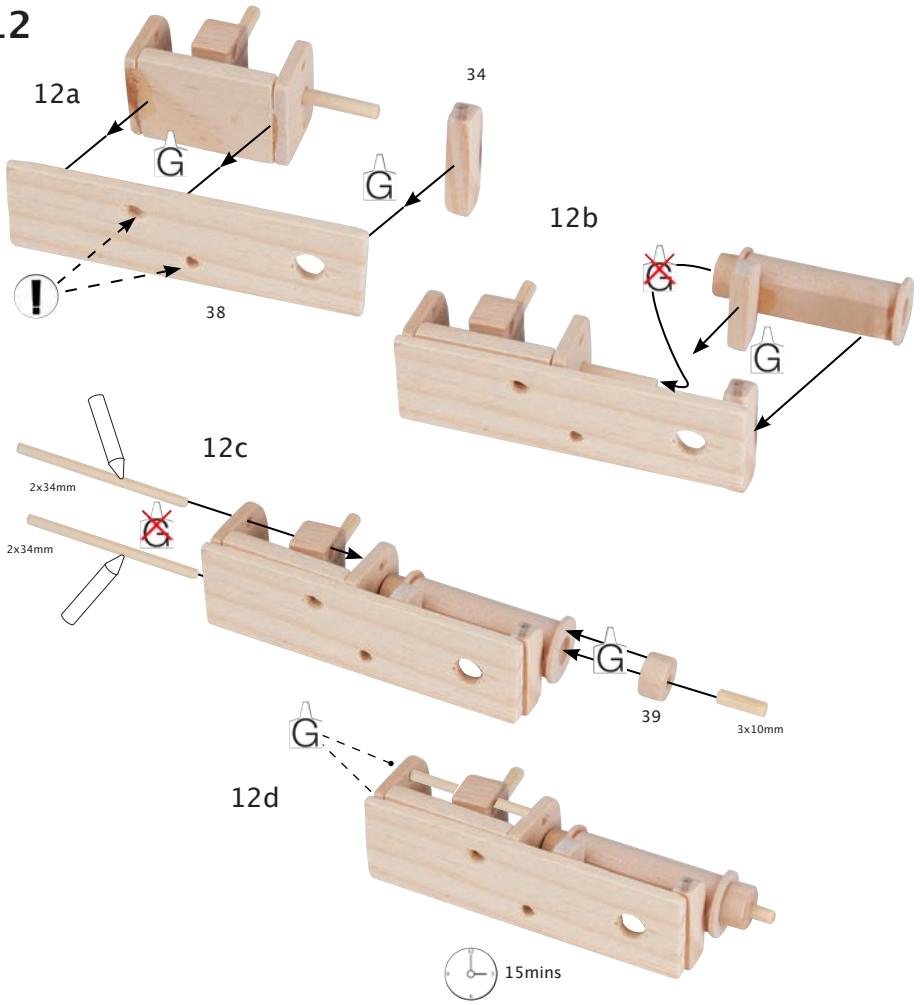


**10****11**

11b



12

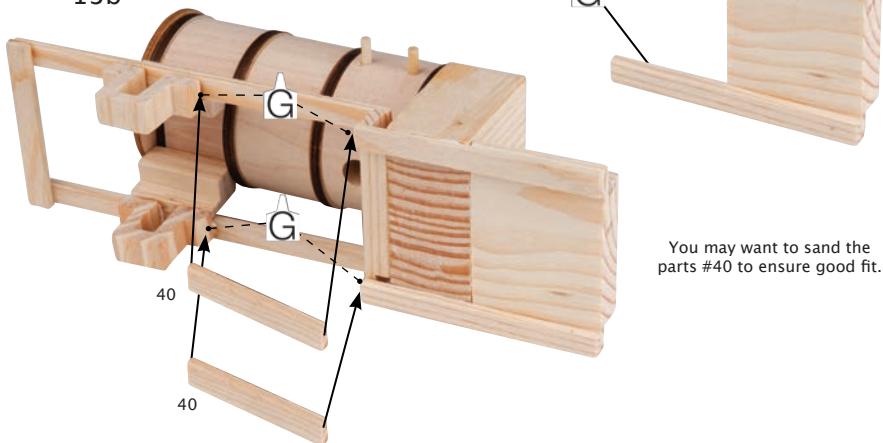


**13**

**13a**

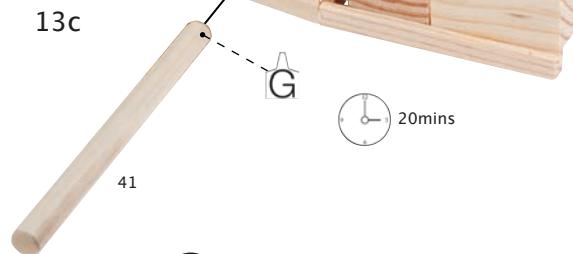


**13b**



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

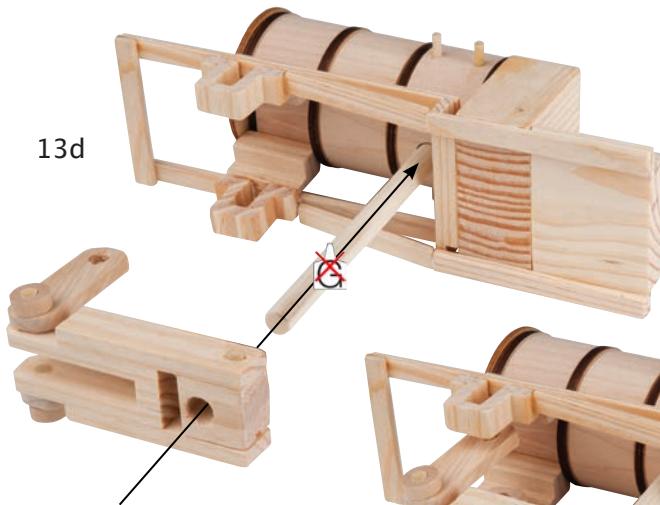
**13c**



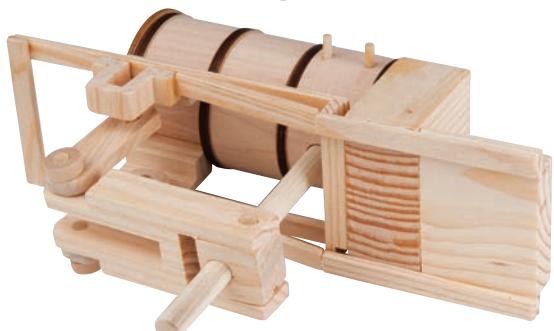
41

20mins

13d



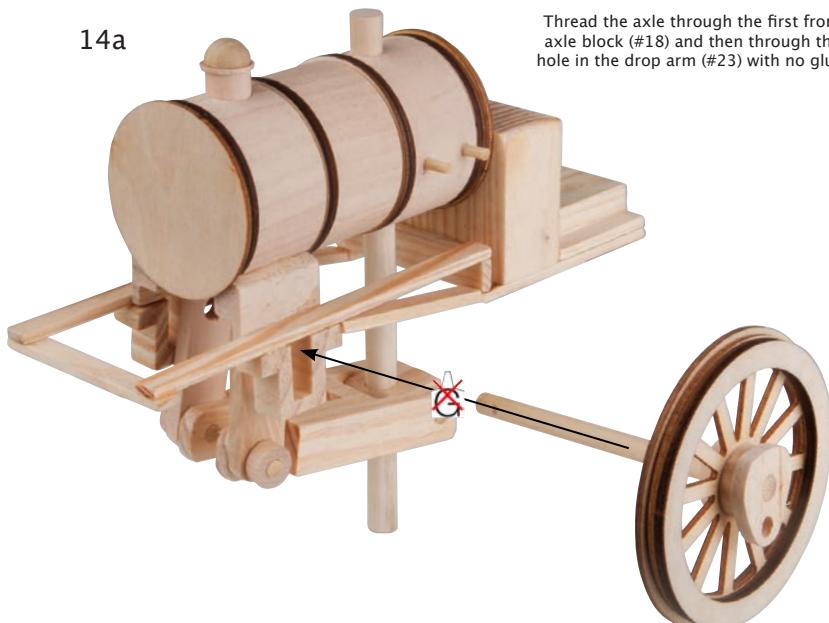
Drop Arm Assembly from stage 6

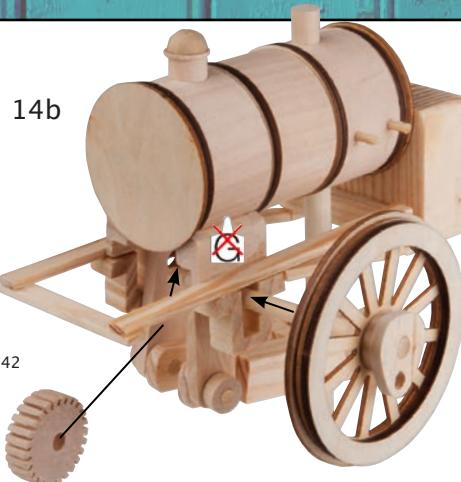


14

14a

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

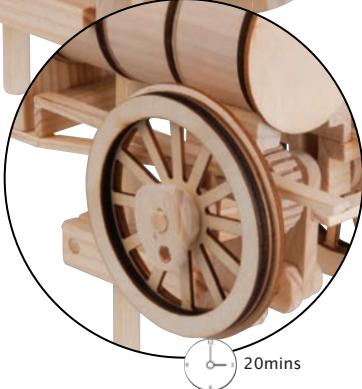
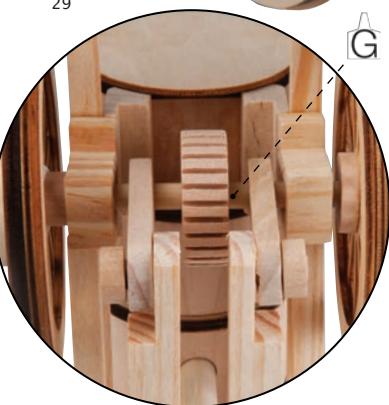
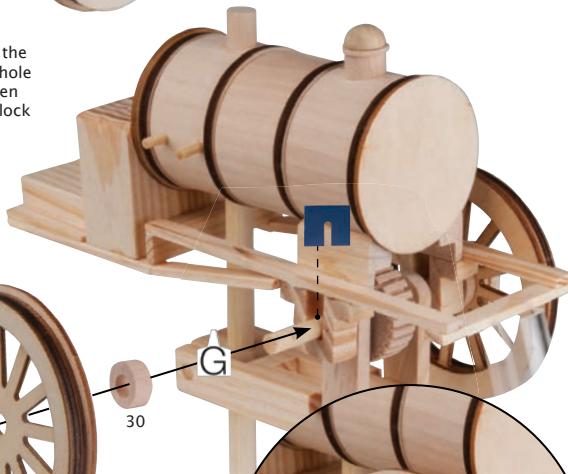




Then thread the axle through the friction disc (42), through the hole in the other drop arm and then through the other front axle block all with no glue.

### 14c

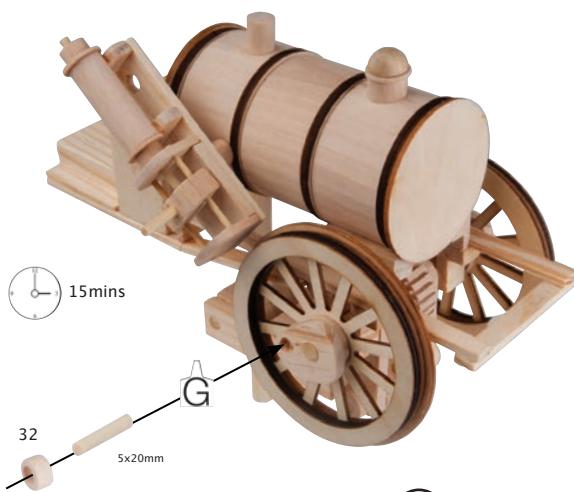
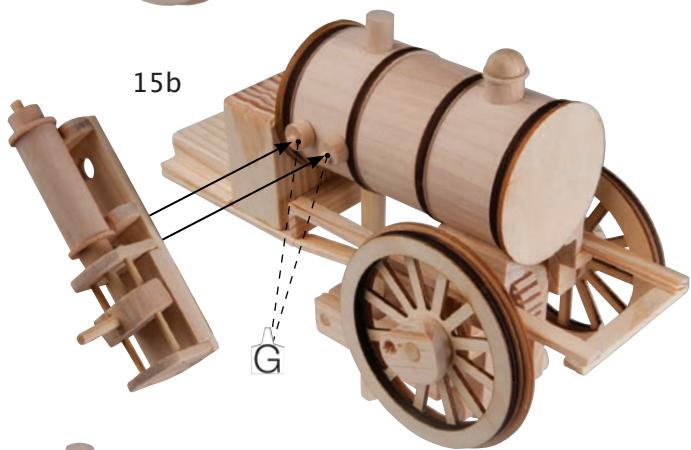
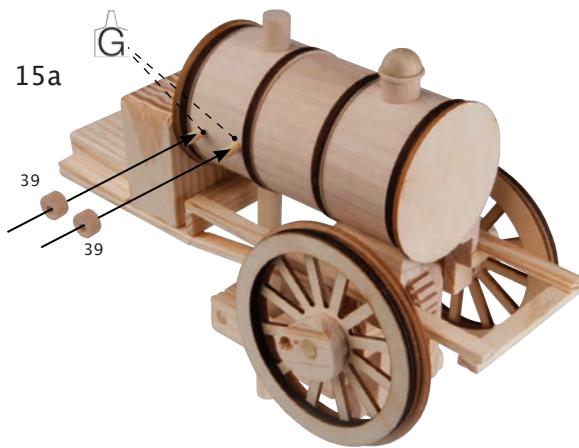
Glue part #29 so that it is in alignment with the other part #29 on the other front wheel.



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.

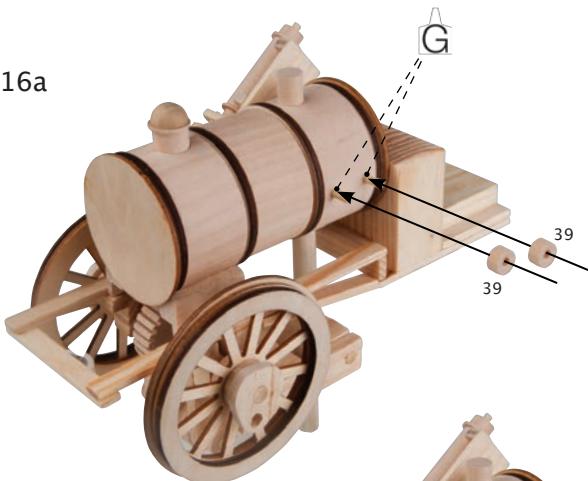
Glue the friction disk in place by moving it to one side, dabbing glue on shaft and then moving back. Ensure it is central.

15

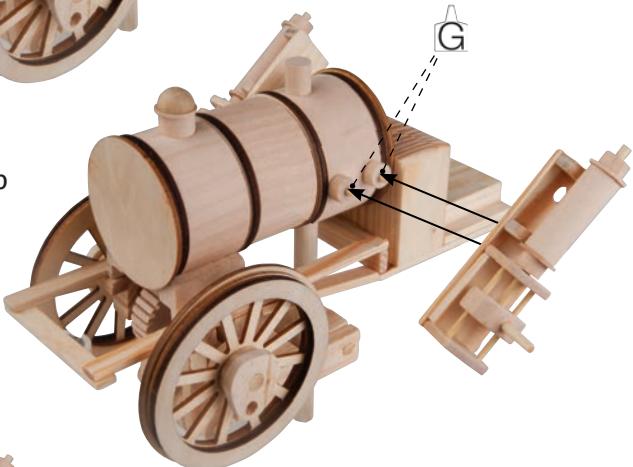


16

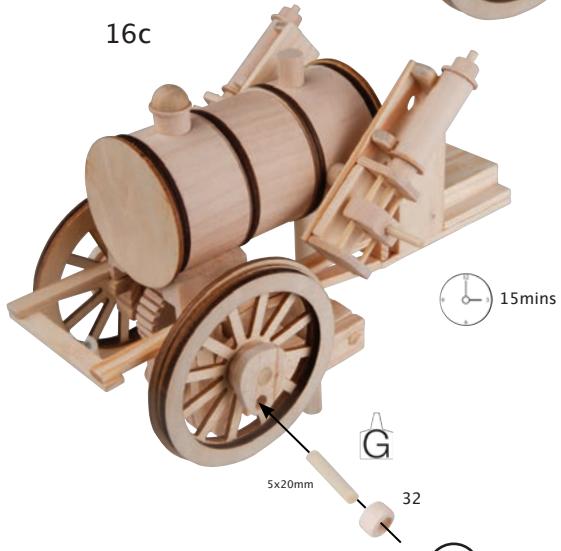
16a



16b



16c



17

17a



43



17b



44



17c

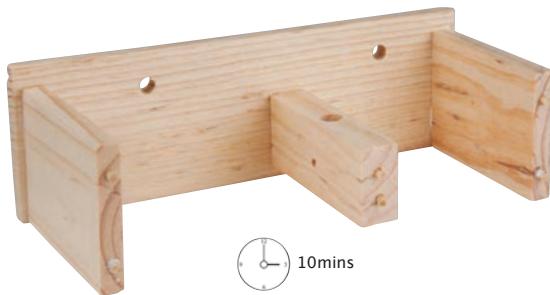
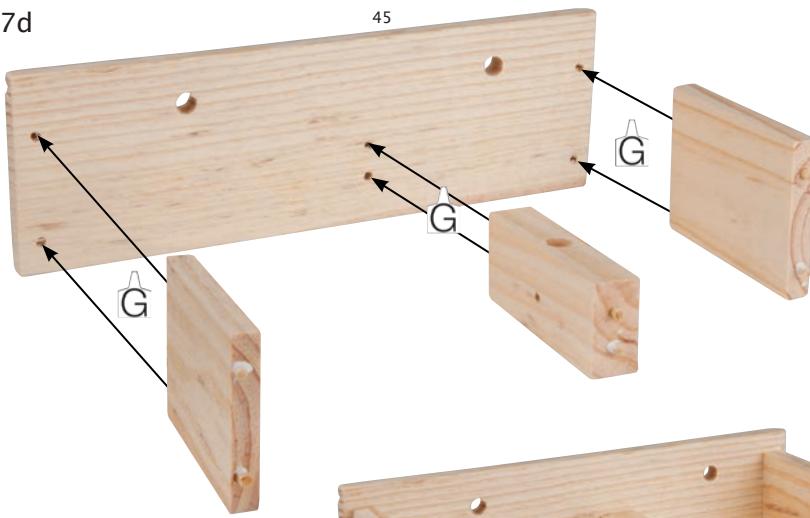


43



17d

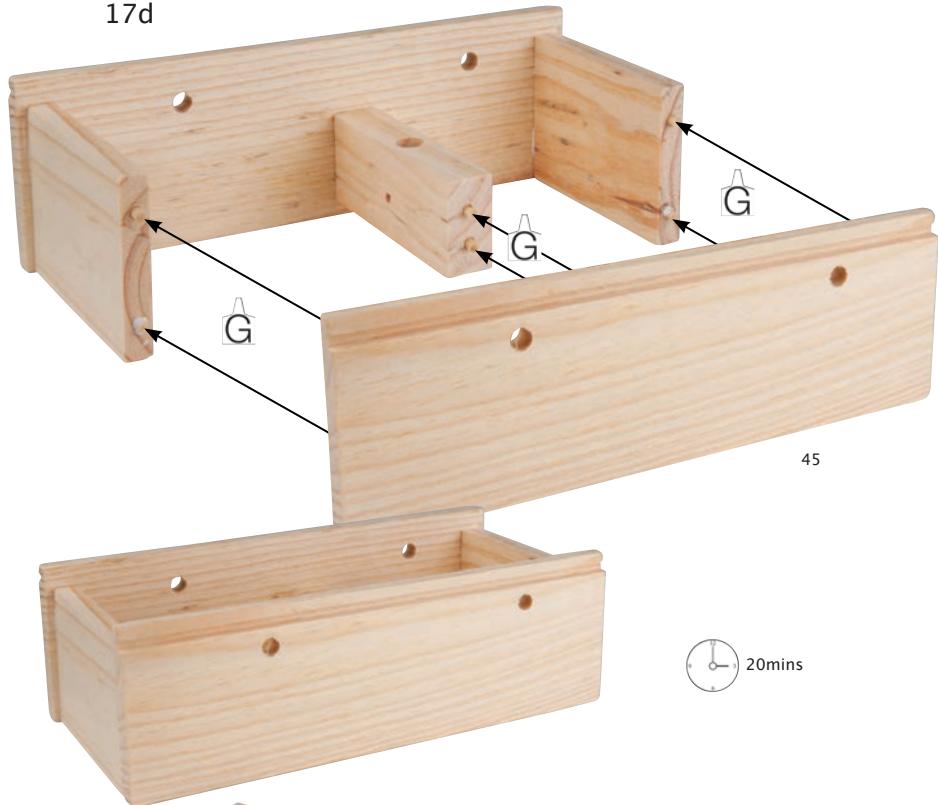
45



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.

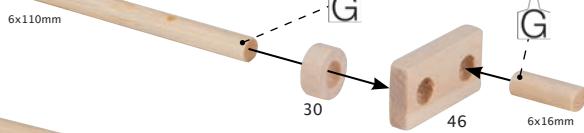


17d

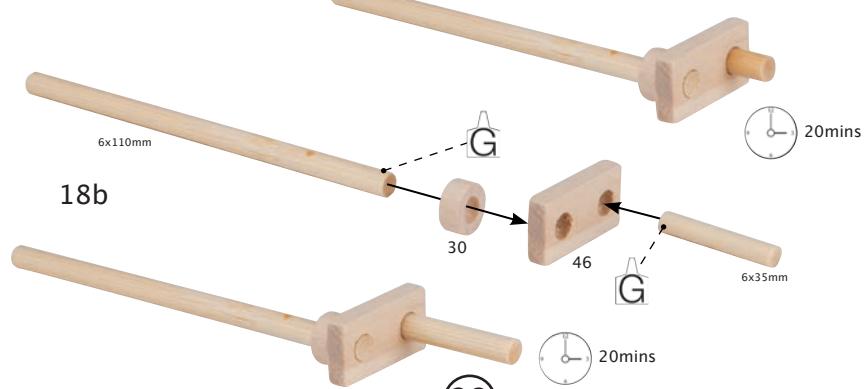


18

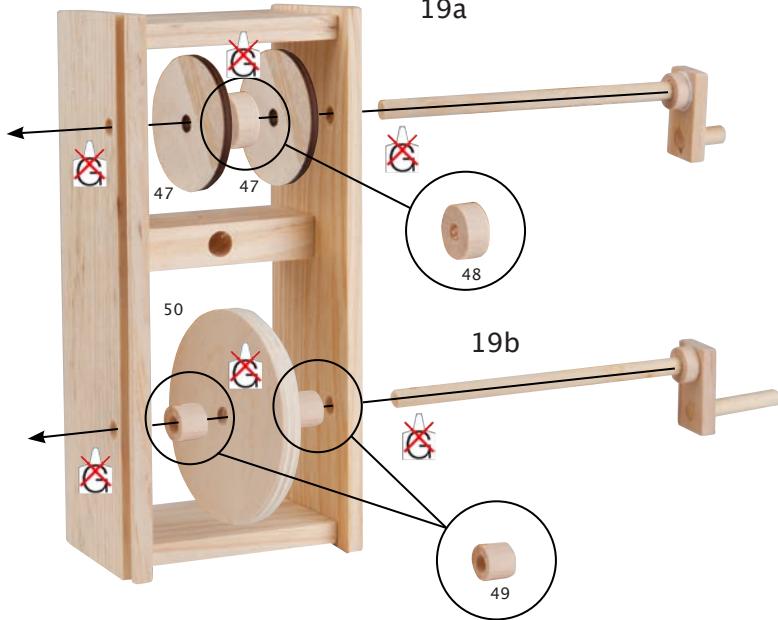
18a



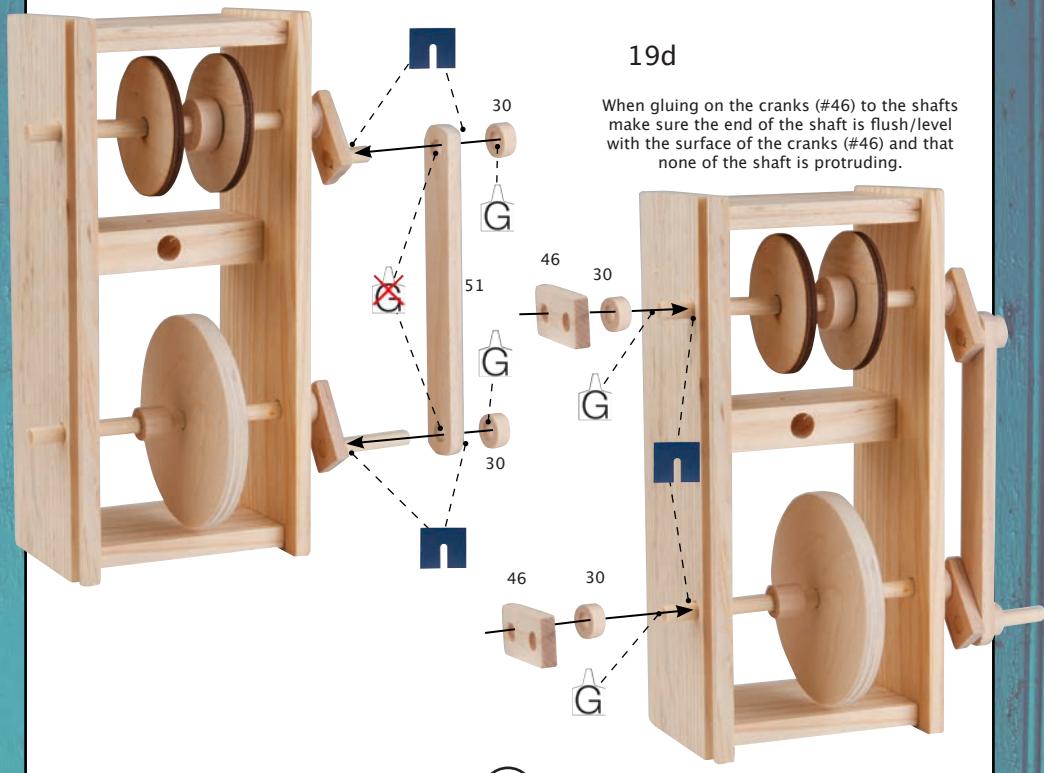
18b



19



19c

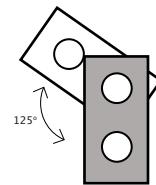
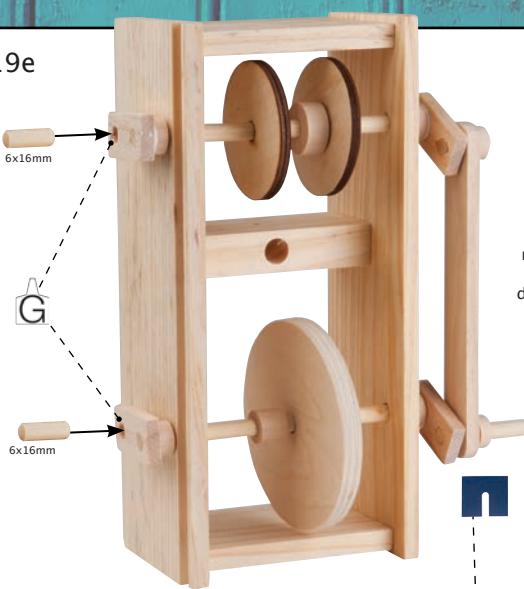


19e

6x16mm

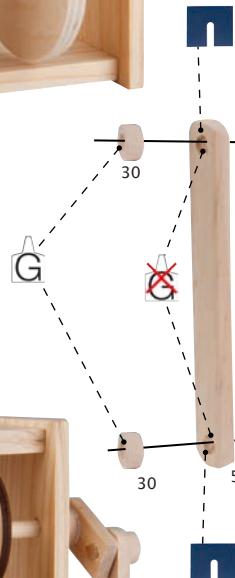
G

6x16mm



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

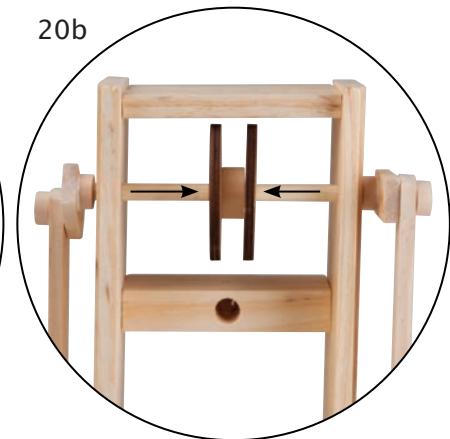
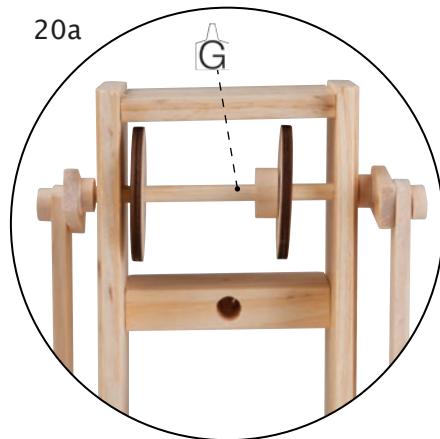


19g

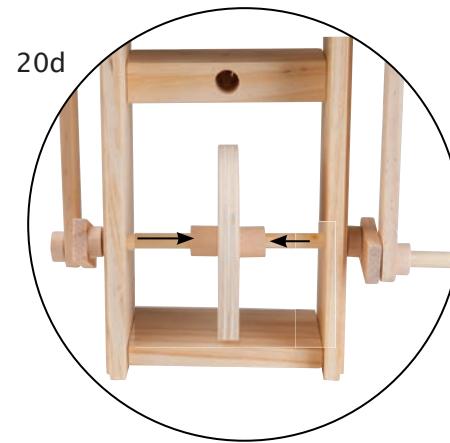
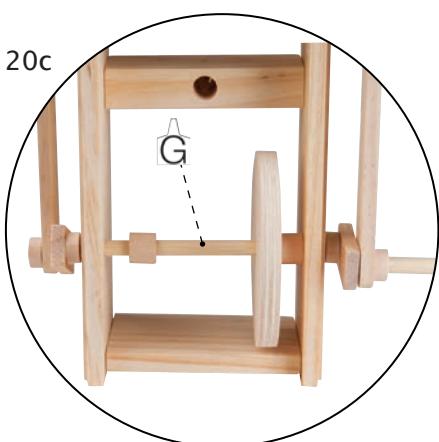


Slowly turn the 6 x 35mm handle just to check that the crank assembly runs smoothly before the glue is completely dry. If it doesn't, adjust the angles slightly on the cranks (#46).

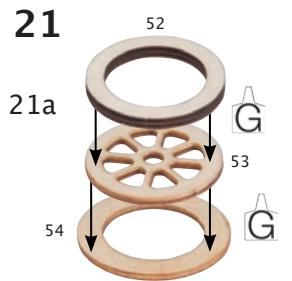
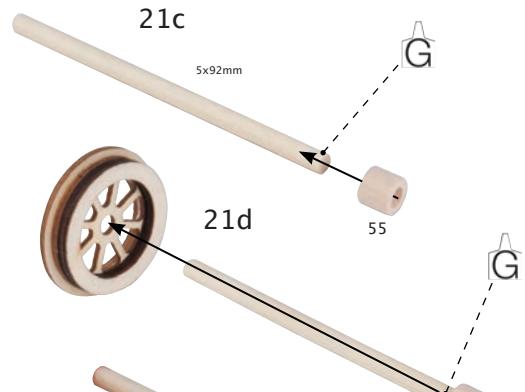
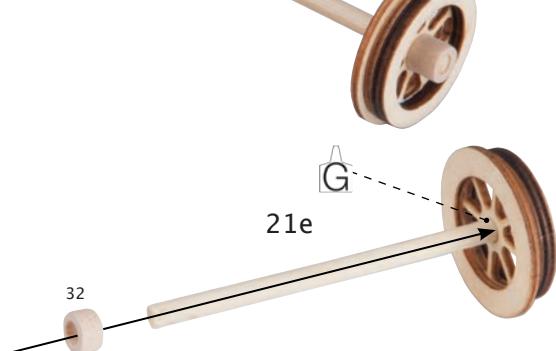
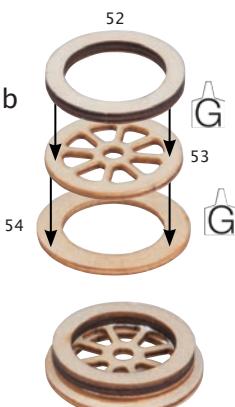
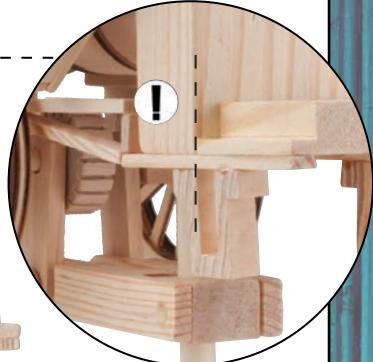
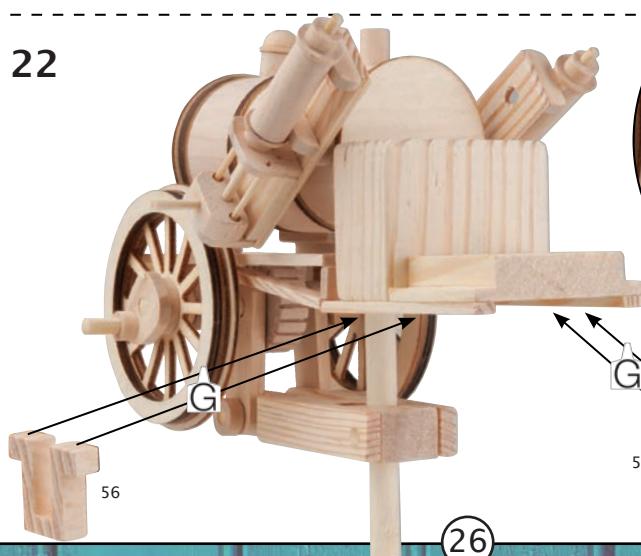
20



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.



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

**21****21c****21b****22**

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

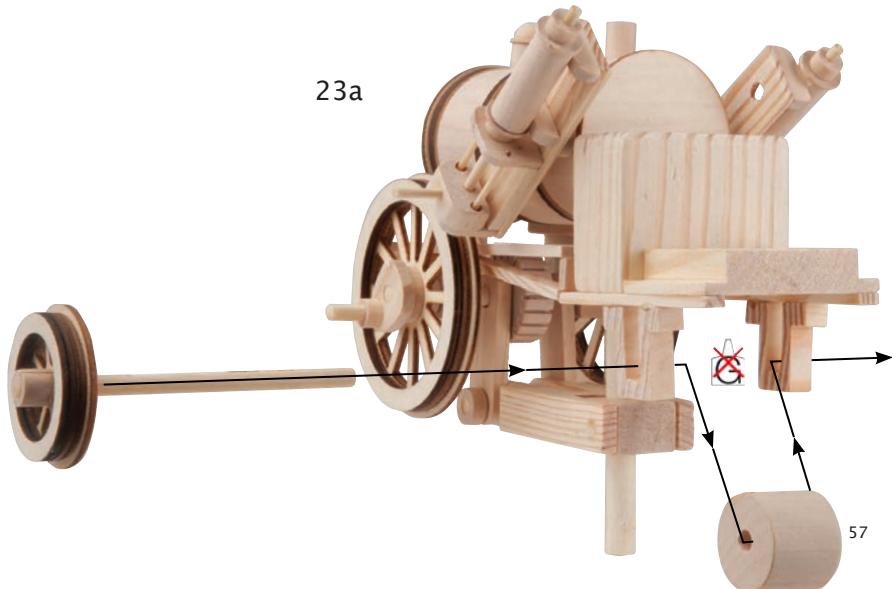
56



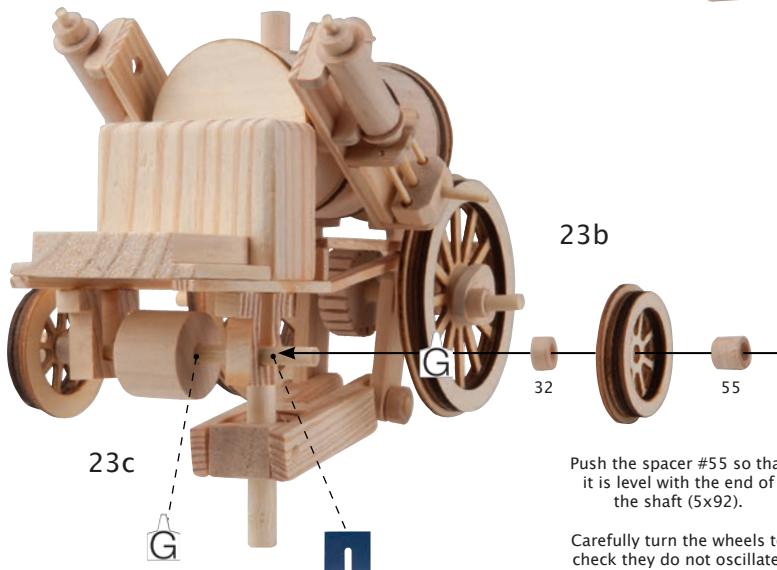
25mins

23

23a



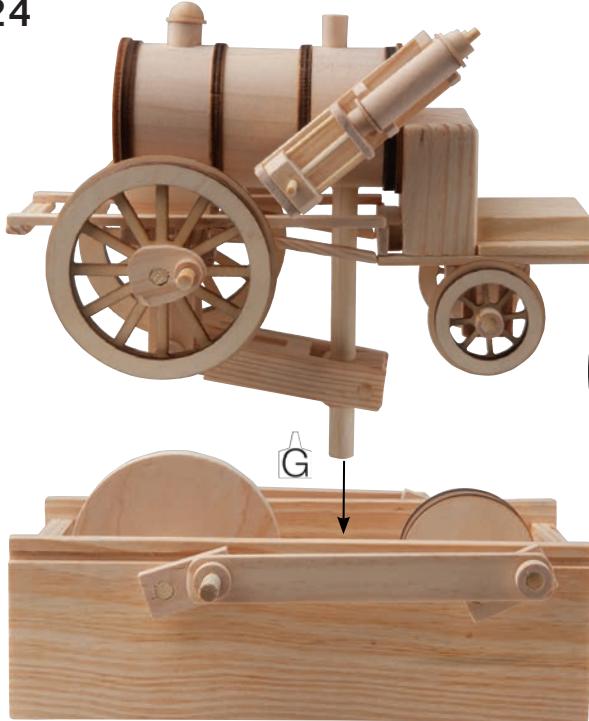
23b



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.

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



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

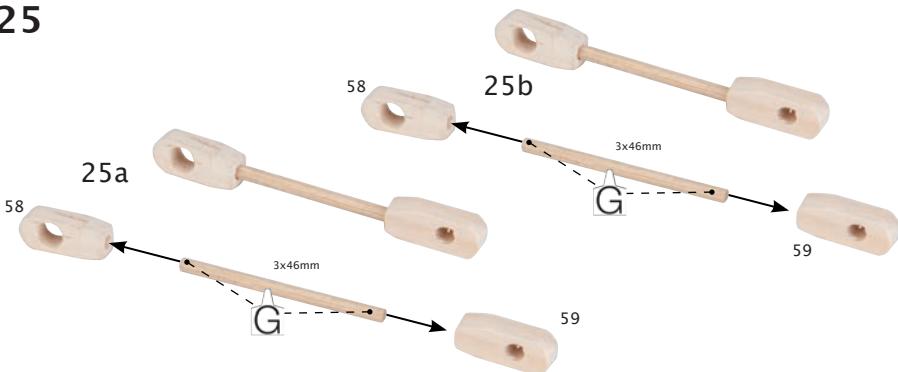
Push down a little at a time and keep turning the handle until all 4 wheels start to turn freely.

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.



**25**



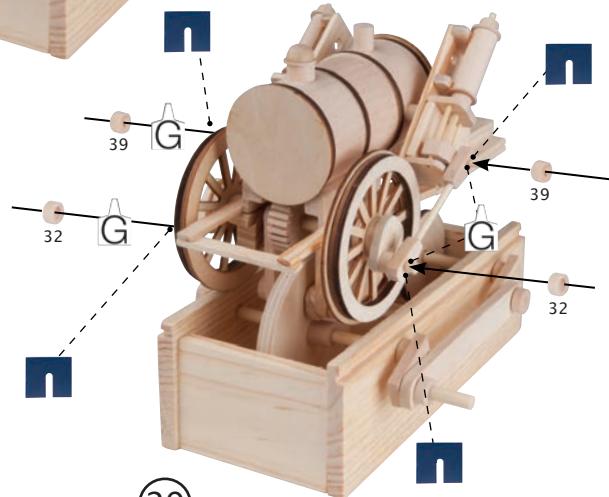
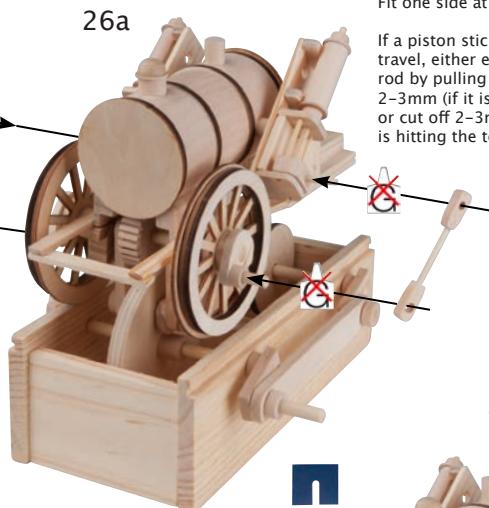
**26**



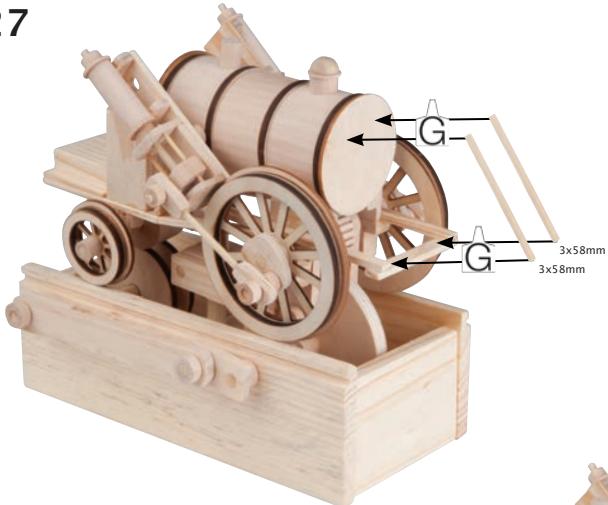
Whilst the glue is still drying on #58 and #59, follow steps 26 and 26b.

Fit one side at a time.

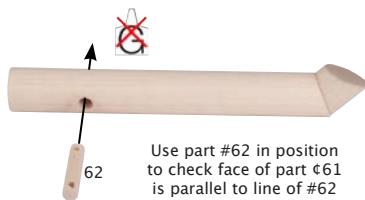
If a piston sticks at the top or bottom of its travel, either extend the length of the 3 x 46mm rod by pulling the parts #58 and #59 out by 2-3mm (if it is hitting the bottom Piston Plate) or cut off 2-3mm from the 3 x 46mm rod (if it is hitting the top Piston Plate).



27



28



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

29

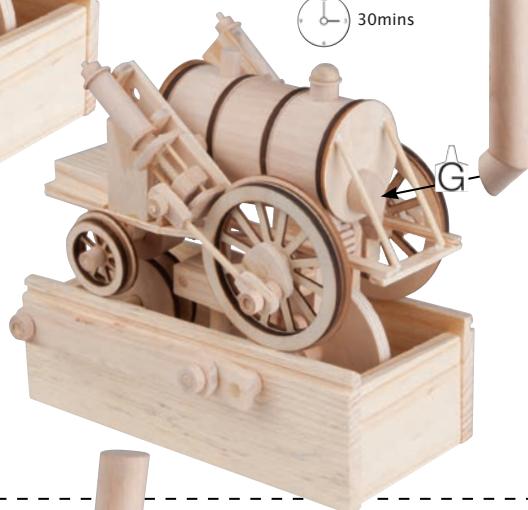


29b

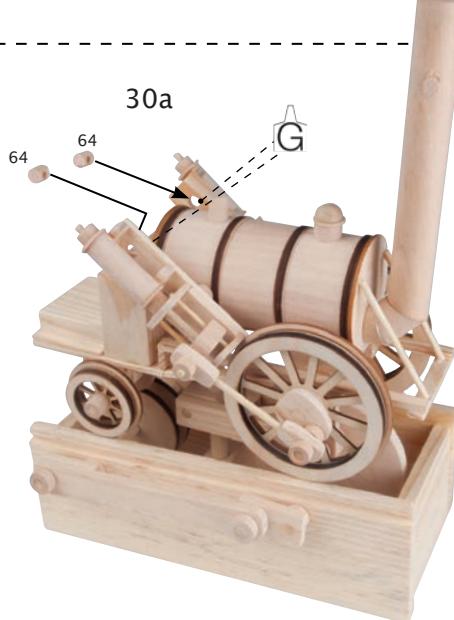
If you have any super glue use a drop at this stage otherwise you may be holding the funnel for a long time!

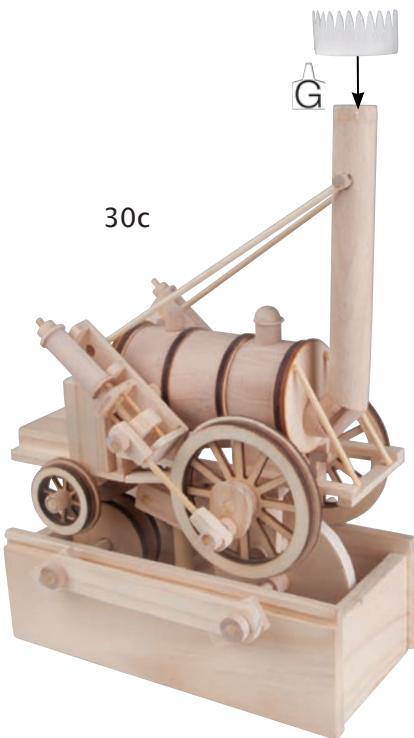
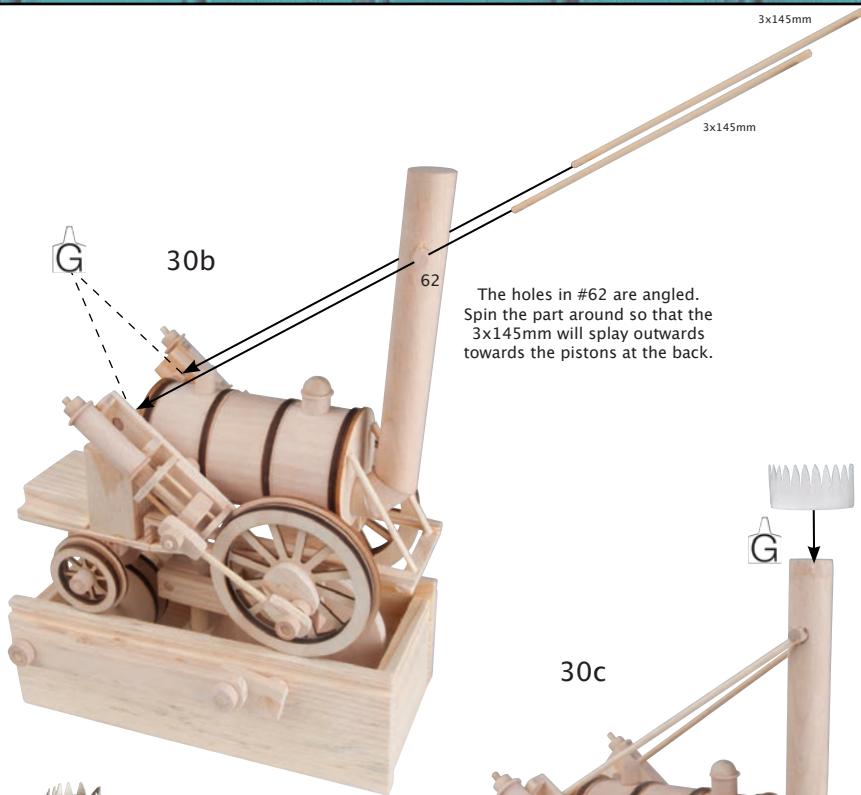


30mins



30







## DESIGN COMPETITION

The Timberkits Design Competition is your chance to see your own Timberkits creation in production, win a prize and see your name in print on the box.

### THE RULES ARE SIMPLE

- Design, build and send in a completed model, which must work smoothly and efficiently and be of a similar size to our Timberkits range of models
- Models must be constructed largely from solid wood, using plywood only if absolutely necessary
- Post your working model to: Timberkits Ltd, The Old Village Hall, Llanbrynmair, Powys, SY19 7AA marked "Design Competition" before 31st December each year (The competition is held every year). Please remember to include your address for us to contact you and return your model
- The winners and runners up will be announced on our website and contacted at their home address by February 28th each year
- The winning design will become the property of Timberkits, but full credit and publicity will be given to the designer on the kit box

### THE PRIZES

The winning design will receive £600 plus their design in production with their name accredited on the box. Runners up (up to six) will receive £50 each.

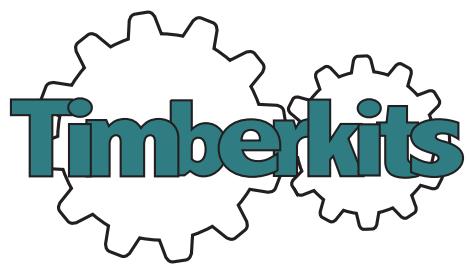
### GET STARTED TODAY!

The winning design will take its place in our brochure, alongside our other popular Timberkits designs, so that hobbyists around the world can share in your creation. The runners up will also be featured on our website.

- (UK) If you enjoyed building this model why not try our others. Available directly from Timberkits Ltd or from our UK, European or worldwide retail partners. Check our website to find your nearest stockist.
- (FR) Si vous avez apprechie construire ce modele, pourquoi ne pas en essayer d'autres. Ils sont disponibles chez Timberkits Ltd ou chez nos partenaires detaillants au Royaume Uni, en Europe et plus largement dans le monde.
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# [www.timberkits.com](http://www.timberkits.com)





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