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Designed by Steve Good

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General Pattern Information

You may use this pattern to make as many of the project as you like. You are free to use any technique including mass production to build the project. The pattern may be copied and given to others provided the entire book is kept intact. You may not sell the pattern or include it in another commercial package of any type.

Steve Good retains the right to the pattern. If you have any questions about the use of this pattern please contact me at steve@stevedgood.com

Printing Instructions

When printing this pattern it is important to print it full size. When you bring up the print dialog box look in the "Page Sizing & Handling" section. Make sure the "Actual Size" is selected before you hit print.
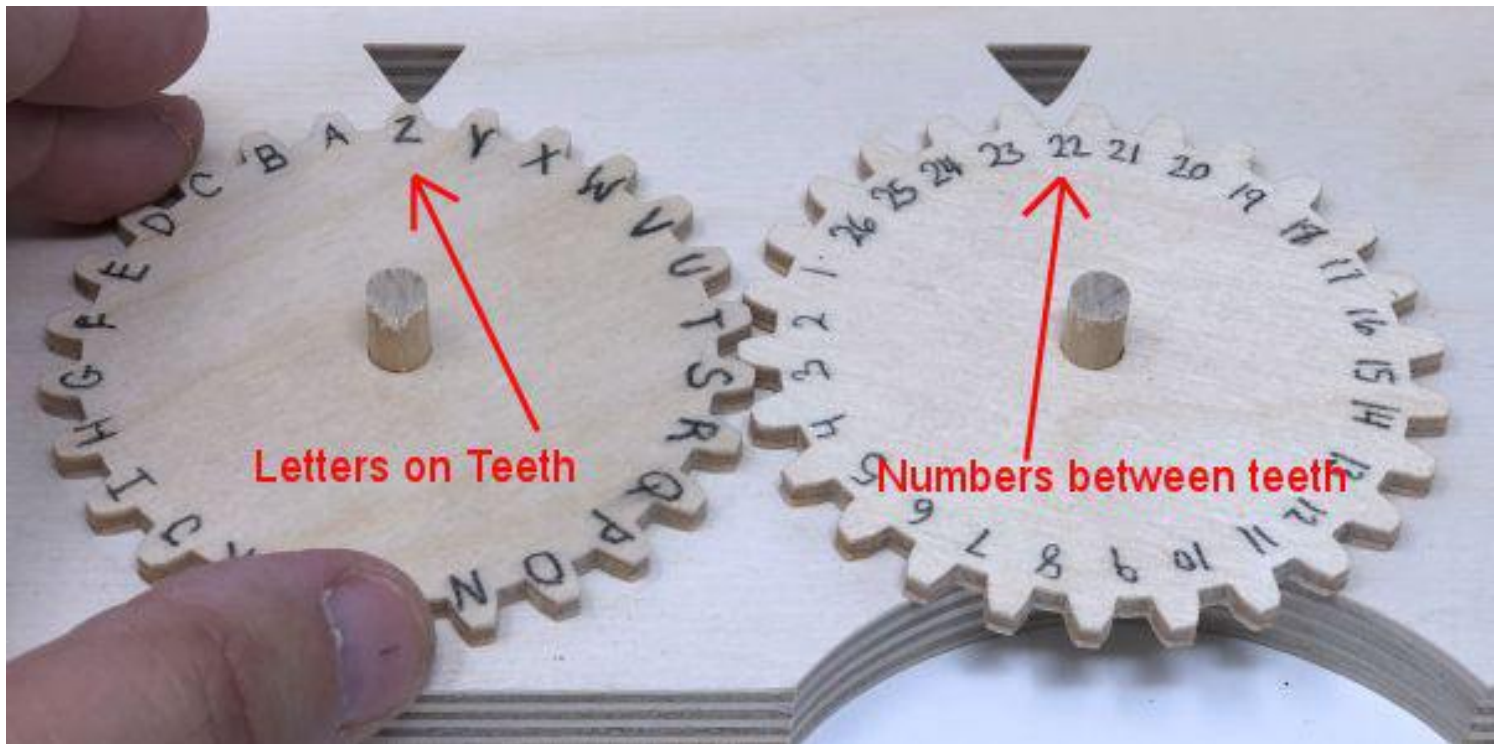
You also only need to print the page/s you need. After the print dialog opens look for the "Pages to Print" section. You can print the current page or a range of pages. This will help save ink by not printing the title/instruction pages.

Page Sizing & Handling ⓘ

| Size | Poster | Multiple | Booklet |

○ Fit
◉ Actual size ⬅
○ Shrink oversized pages
○ Custom Scale: [100] %
☐ Choose paper source by PDF page size

Pages to Print
◉ All ⬅
○ Current page
○ Pages [1 - 34]
▶ More Options

Spy Message Decoder
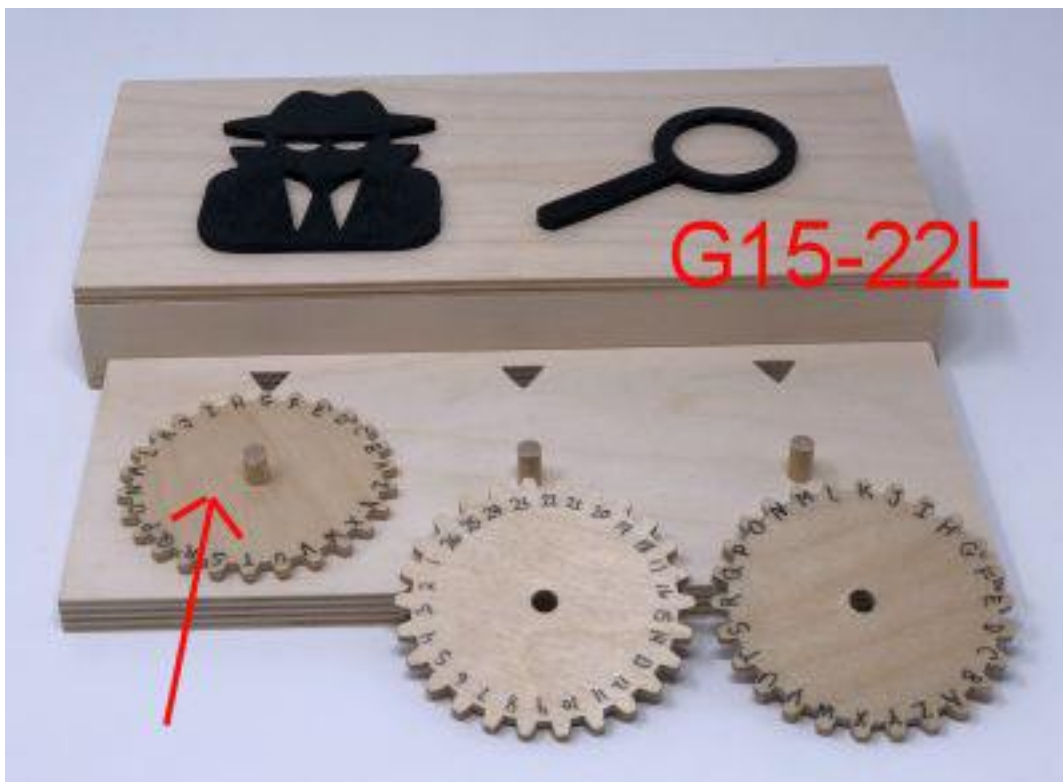
Letters on Teeth

Numbers between teeth

Gear labeling:

Stack cut the three gears from 1/8" thick Baltic birch plywood.

Label both letter gears with the letters on the teeth.

Label the number gear with the numbers between the teeth
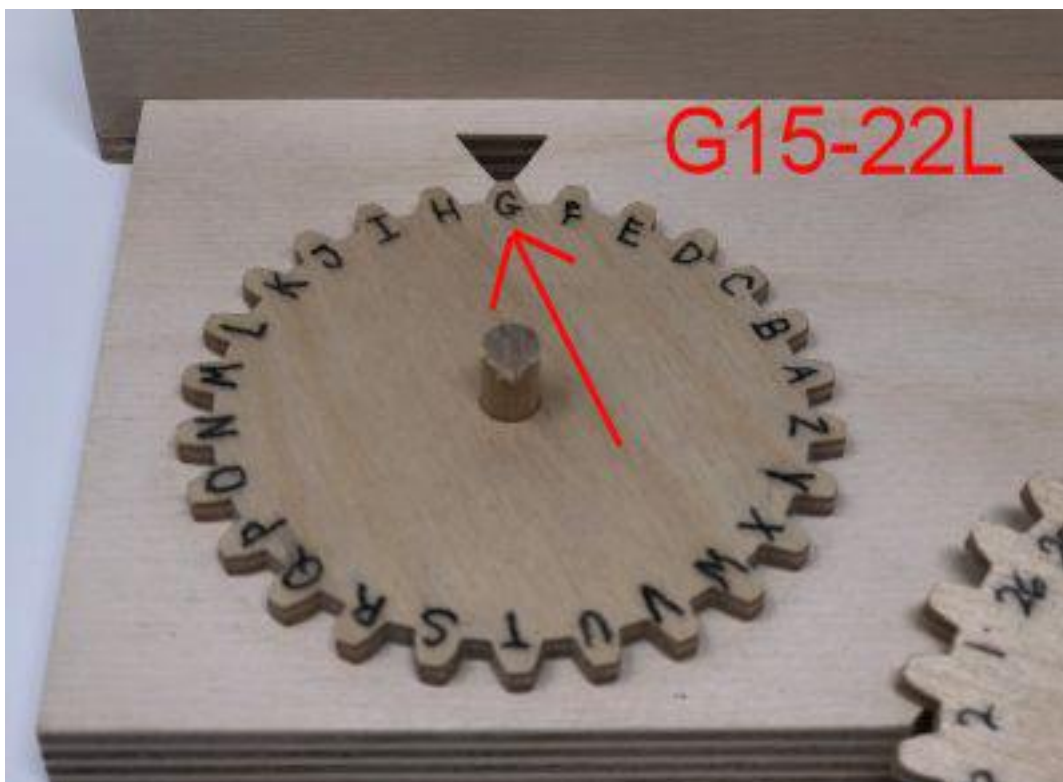
SETUP: Select you setup password.
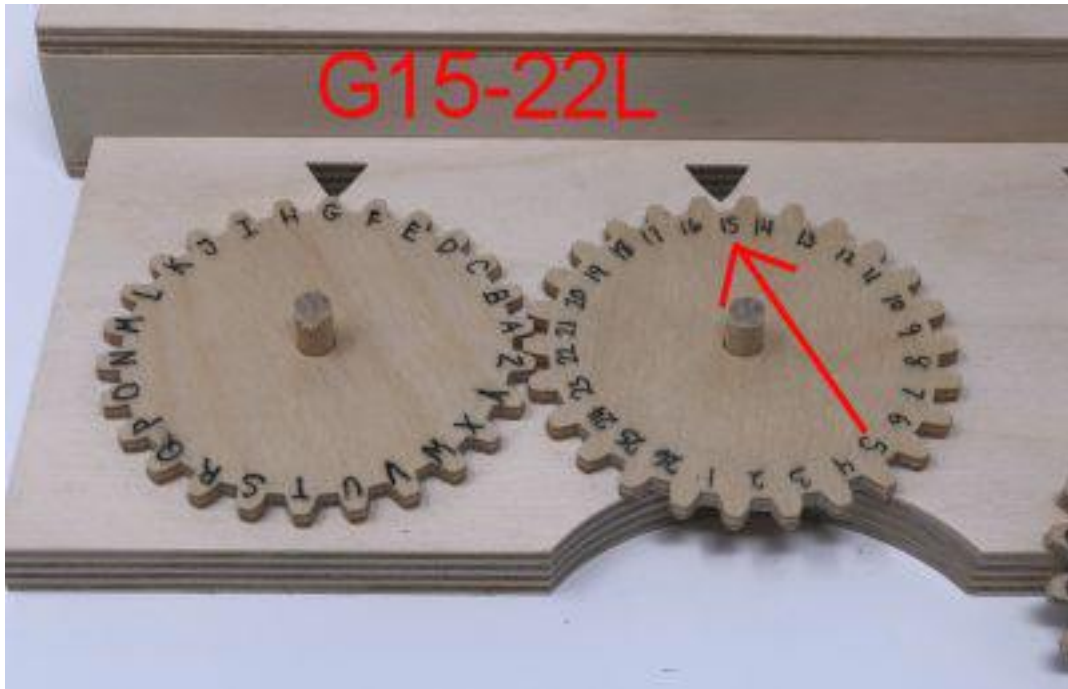A. Select a letter.
B. Select first number 1-26
C. Select second Number 1-26
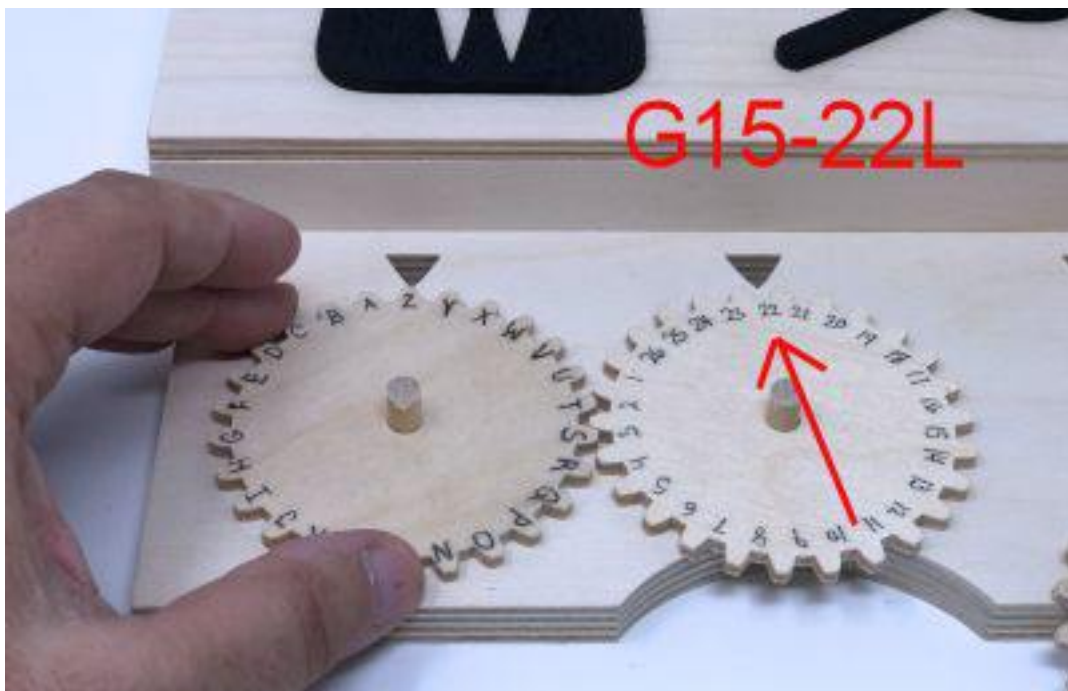D. Select a letter.
Example G15-22L
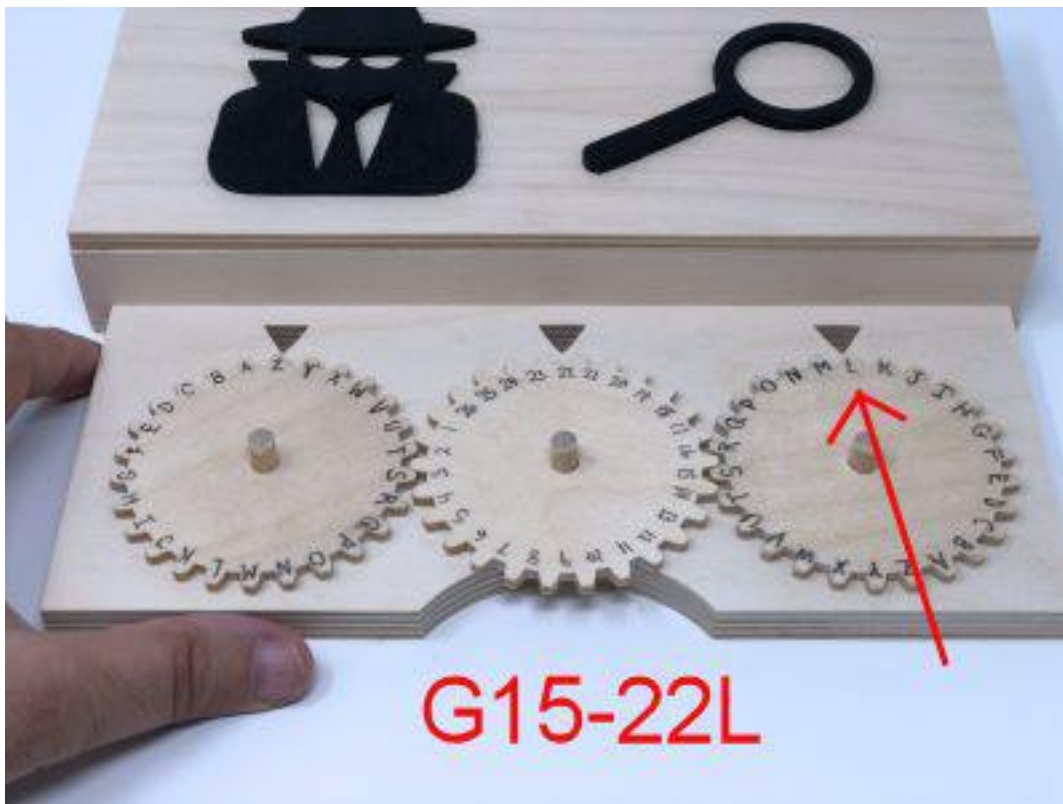Set the left gear in place at the first letter chosen(G).

Keep the left gear in place ans set the middle gear at the first number chosen(15).

With the gears meshed turn the middle gear to the second number chosen(22).

G15-22L

Install the right gear at the second letter chosen(L).

Encrypting:
Both spies need a decoder.
Spy one selects a decoder password.
Spy one setup up the decoder with the password.
Use the left wheel to spell out the message.
Use the right wheel find the encrypted letter.
Write down the encrypted letters until the message
is complete.

Send the decoder password and the encrypted message
to spy two.

Spy two sets up his decoder with the password and
decodes the message using the right wheel to enter
the encrypted letter and the left wheel to get the message
letter.

1/2" Thick

1/4" Hole

1/4" Hole

Use 1/4" diameter dowels
Cut to a length 7/8"

1/4" Hole

1/8" Thick
Stack Cut Three
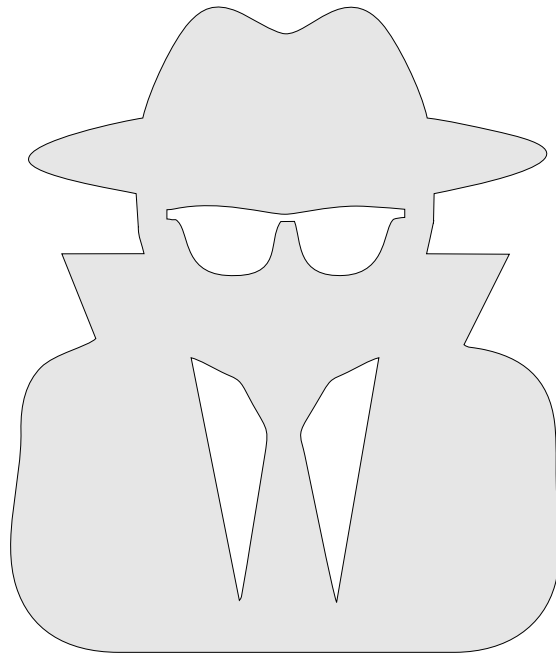
17/64" Hole

Box
1/4" Thick

Cut Two
Top/Bottom

Side

1/4" Thick

Side

1/4" Thick

End

1/4" Thick

1/8" Thick