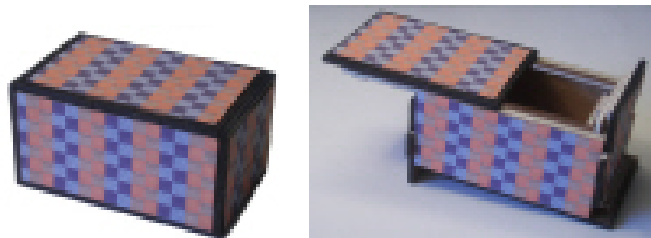


Grey Squares

My first sliding panel box. Four of the panels have one or two "secret" sliders that must be moved before that panel will move. That will unlock another panel, eventually coming to the last panel. But that also seems to be locked! With what? The answer is there, if you think backwards. Fairly easy to make, using 1/8" and 1/4" plywood. Covered in paper, the grey squares printed from computer. Grey squares pattern included in plans. Difficult to solve; minimum 13 moves.



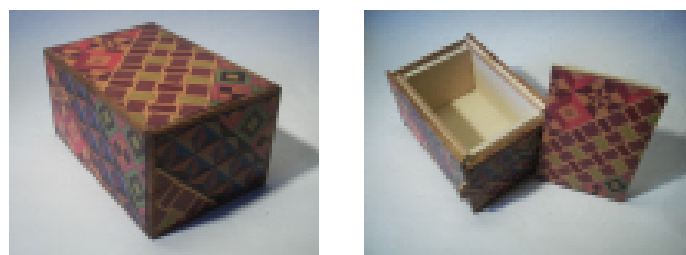
The 14-19 Box

This puzzle box resembles very closely the traditional Japanese puzzle box, in that all the moves are controlled by only two sliders, one at each end. These sliders allow the end panels to move vertically, and allows the top and bottom panels to move horizontally. All the moves on this box are very similar to the customary moves on the Japanese style boxes. In this version however, you can decide to make a 14 move, or a 19 move box, the difference being only a couple of extra pieces of wood. Box size is 4" x 2-1/2" x 2", made from 1/8" and 1/4" plywood. Easy to make, moderately difficult to open.



The 25 Move Box

This is another puzzle box that resembles closely the traditional Japanese puzzle box, with all the moves are controlled by only two sliders, one at each end. These sliders allow the end panels to move vertically, and allows the top and bottom panels to move horizontally. All the moves on this box are very similar to the 14-19 box, but in this version there are four more "secret" sliders, that don't seem to do anything. To start with, they won't move at all! They only come into play at different times during the sequence of moves. Which makes it a bit irritating... Box size is 4" x 2-1/2" x 2", made from 1/8" and 1/4" plywood. Easy to make. Difficult to open.



4 sun 8 step box

A realistic looking Japanese puzzle box, realistic not only in looks but also in size and operation. A "sun" is a Japanese measurement of about 1.22 inches, but is only an indication of the length of the box, not the width or height. This is a very easy puzzle to make, as all the cuts are straight cuts, with only one inside slot. The box is made from 1/8" basswood. The box is not too difficult to open. This is an ideal puzzle to make as a first attempt. The box measures 4-3/4" x 3-1/4" x 2-1/4" and can be covered with genuine Japanese patterns.



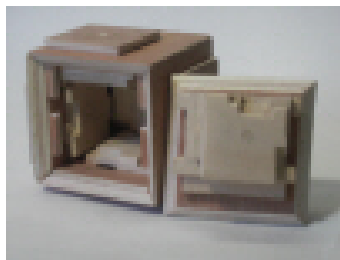
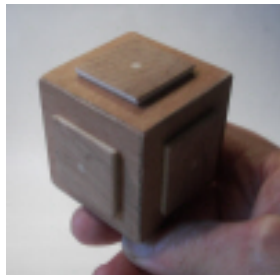
The Bridge

This rather nice little puzzle box, with pictures of Japanese garden bridges all around, works very similar to the traditional Japanese puzzle box, in that all the moves are controlled by **only two** sliders, one at each end. These sliders allow the end panels to move vertically, and they in turn allow the top and bottom panels to move horizontally. Eventually, the top panel will slide off sideways. That's what normally happens. However, just when you think the lid is about to come off, the box appears to lock up. Strangely, the only way to get the lid off, is to start closing again. **Very hard to open: it takes 44 moves to open!** The size of this box is 4" x 2-1/2" x 2", if made from 1/8" ply. The plans are T-Plans, which allow you to make this any size.



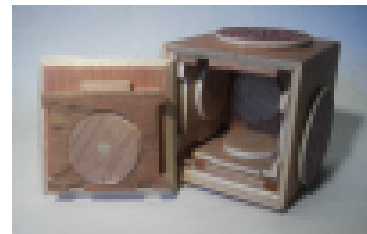
Medieval Casket

This puzzle box is a miniature version of a 16th century linen chest-those very dark heavy wood chests, about two or three feet long, with roughly carved faces. Some had iron bands with stout padlocks, to hold valuables. This little box could hold smaller "valuables", but instead of carved faces, it has fretwork panels on each side, and lion head "reliefs" in the centre of these panels. These lion heads actually move, and form the locking mechanism that holds the lid shut, and takes only 14 moves to open. **If you don't know, it's fairly difficult!** The box size is 6" x 4" x 2-1/2", made from 1/8" plywood and 1/4" stripwood.



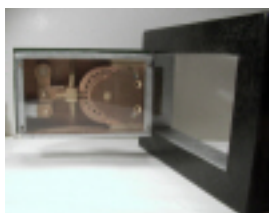
Cubey 3

The size of this cube is 2" each way, and every side is joined to the next side by a bevel joint. The grain on each side is 90° to the next side, making it impossible to tell which side you're looking at. Every panel has to be moved **THREE TIMES, in TWO directions** in order to open the box, taking **18 moves** to open. Once you've started, there are two possible panels to move, the one you've just moved, and the next one to be moved, but you can't tell where you are, so you might go backwards instead of forwards. You might spend the rest of your life, **just going backwards and forwards until the box wears out...** **Very hard** to open. The plans are T-Plans, to make this any size.



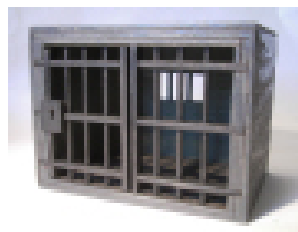
Cubey 4

This has to be the the Ultimate Cubey! With beveled joints, and right angled wood grain, making it very difficult to tell which side you're looking at. Instead of a sliding panel, each side has a wheel, which must be rotated and pushed in one direction to move an inner panel. Now you must do the same again with another wheel to move another panel. On this box **every** panel can move at the start. **YOU CAN'T TELL WHICH PANEL TO START WITH! EXTREMELY FRUSTRATING TO OPEN!** You could open this box in just **6** moves, or up to **252** moves to open! Be warned: this box takes a lot of making-there are lots of little holes to drill, lots of circles to cut, very precise panels, and assembly is tricky. The plans are T-Plans, which allow you to make this any size.



The Door

More of a mechanical gadget, than a puzzle. But I **know** you can't open this without the solution! This is not a trick title-it really is just a door. However, it's a safe door, controlled by a genuine combination lock-not one of those "combination locks" that require you to turn three or four wheels, but a proper combination lock, with four discs controlled by one dial-just like in the movies. You make your own combination when building this, and can change that at any time. The door has a clear back, so that you can see the lock in operation, and is mounted on a frame. You could easily make a box instead. However, since it's made of wood, it may not be very safe...



The Jail Cell

This little box looks like a model of a jail cell. But it isn't just a model; this is another "sliding panel" puzzle box, where the aim is to open the cell door. This is one of those puzzles where you have to think "outside the box", as it were. The box measures 5" x 3-3/8" x 3-5/8", and is made from 1/8" plywood and 1/8" dowel rods. Fairly easy to make. Not too difficult to open, using four outer sliders to eventually release the cell door.



The Knight's Tomb

Verily I say unto thee good person, do not be tempted to touch this, for 'tis the work of the Devil himself, may the saints preserve us. It is but a tomb, worthy of good King Richard himself, indeed, his shield and cross adorn all around. These shields have to be moved to open the fiendish thing. Aye, some shields be going up and down, and some be going side to side, but they all have to be moved before the lid can be slid off. Forsooth, I say again, do not be tempted by the this toy of Satan, for thee will doomed to spend the rest of thy life trying to open this terrible, devilish thing. The box size is 5-1/2" x 3" x 3", made of 1/8" and 1/4" plywood. 16 moves to open, if you know them. Otherwise, fairly **difficult**. Cutting list supplied by Ron Locke



Cyrus Redblock

Looking rather like a solid block of wood, this is another sliding panel puzzle box. Moving three of the side panels will allow you to get the lid off, thinking that you've done the puzzle. But there is a secret drawer hidden in the bottom, and you have to move all four of the side panels to get the drawer out. There are more moves to get the drawer out, than to release the lid, and the box is deep enough to disguise the fact that there is a drawer there at all. The box size is 4-1/2" x 4-1/2" x 3-1/2", made of 1/8" plywood.