

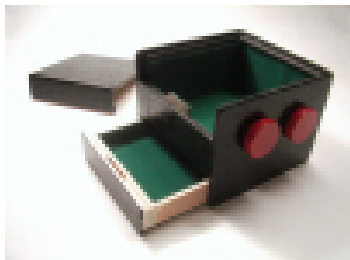
### Hadrian's Box

Another sliding panel puzzle box, with pictures of Roman statues all around it. Only three panels can move, and they don't have any "secret" sliders. But they must be moved around to get the lid off. There's no sign of a secret drawer, but there is one, the full length and width of the box, hidden away in the base. Only when the lid is removed, and another four steps made, can the drawer be revealed and taken out. It takes eleven moves to get the lid off. The size of this box is 4-1/2" by 3" by 2-1/2" if made from 1/8" wood, but the plans are T-Plans, to make this any size.



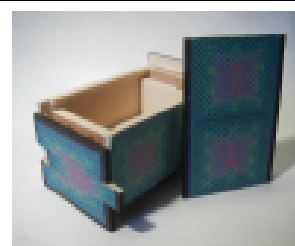
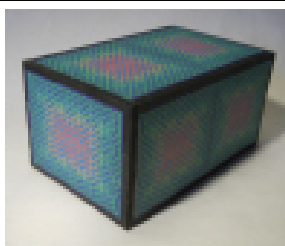
### Crypteks

You may have seen those puzzles based on a bicycle chain combination lock, where a series of rings are turned to a certain number, and the inner barrel can be pulled out. Those puzzles are bigger, usually made of wood, and the rings have letters. When the letters are turned to spell out a word, the inner cylinder is freed. This is my version of those "Cryptex" puzzles, but mine is a box, not a tube. Each side has six sliders, and each slider has three positions, making 2187 combinations of positions per side... Every slider has to be moved to a certain position before the inner box can be withdrawn, and the inner box is hollow, so you can keep stuff in it. Total number of combinations is 2187 by 2187 four times. Without the solution you may not live long enough to get the inner box out! **Don't attempt to make this if you get bored easily**-there is a lot of repetitious cutting, filing, gluing to do. The puzzle measures 5" by 3" by 3", made from 1/8" wood, and there are **142 pieces** to this puzzle. The plans are T-Plans.



### Double Two

Looking vaguely like a die, a black box with two discs on two faces. Both sets of discs can be turned, but only one set can be turned and moved, before the other set can be moved. When all four discs have been turned and moved, the lid can be opened. Not too difficult really. But if you weren't told anything else, would you think you've solved the puzzle? If you think you're finished, you're wrong, because there is a secret drawer yet to open. The drawer is just the right size to hide folded banknotes. The box measures 4" x 4" x 3", made entirely from 1/8" wood.



### Cul-De-Sac

A lot of Oriental puzzle boxes have the same method of opening: Move one end, move the top, move the other end, move the bottom, and so on until the lid comes off. This box follows a similar procedure. **However**, on this box, both sliders can move backwards and forwards, both end panels can move up and down, and both top and bottom panels can move left and right! Also, there are **EIGHT** different "routes" to follow to open the lid. Once you've started a route, you have to carry on until you reach the end. Seven routes will lead you to a dead end, because the lid won't come off. Only one route leads to the lid coming off. The box looks the same from every angle, so you can't tell which way is up or down, back to front, end to end. This is my favourite puzzle box, because, even though I **know** the correct moves, I can't get them right first time... **15 correct moves** to open the lid, but there are **97 wrong moves!** If you reach a dead end, you have to go back to start. The size of this box is 4" x 2-1/2" x 2", if made from 1/8" wood. The T-Plans allow you to make this any size.



### The House

This looks like a model of a house, but it's another puzzle box. The windows and the door have to be moved around, and when open, the whole front of the house will slide forward, rather like a drawer. Not difficult to open, and if a coin slot was cut in the roof, it would serve as a money box. The house measures about 5" x 4-1/2" x 3", and is made from 1/8" plywood, but you can make this any size you wish. Some of the inside parts are a little fiddly, but straight forward. The brick, tile and windows patterns are included with the T-Plans, which allow you to make this any size.



### Plain Old Box

Just a plain looking, ordinary box, 4" x 2-1/2" x 2" in size, and is another "sliding panel" puzzle box. But wait! Where are the "hidden" sliders? **There are NO sliders!** Every outer panel is a complete, whole piece of wood! That means the the panels themselves must be moved. **Right**, so it's easy then. **Wrong**. It starts easy enough, but halfway through becomes harder, because **every** sliding panel can now move in **two** directions. It takes 18 moves to open the lid, and more to remove every panel. Easy to make, with only a few tongues and notches to cut out. Assembly is a little tricky, but not too hard. The plans are T-Plans, which allow you to make this any size.



**Unhinged**

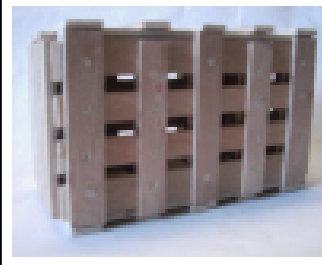


The other side of the box is identical to this side. Just a box, measuring three inches each way, with a lid held on by a hinge. But wait! There's a hinge on each side! What's the point of four hinges? Surely it can't open properly if it's held on by four hinges? **Well, yes it can...**

Not so much a puzzle box, more of a mechanical magic trick. The lid is held on by one hinge, but close it, and it opens by another hinge! In fact, it can open by **ANY** of the hinges. They are ordinary hinges, available from any hardware store. The photos don't really show what this box is like; you **have** to see the video to get the full effect of this box in action.

**Caution!** For all it's simple appearance, and apparently simple operation, this box will take a lot of making.

Using hinges that measure 7/8" by 1-1/2", the box is made from 1/8" plywood. And the sides **must** be plywood, unless you're **very** good with small chisels.



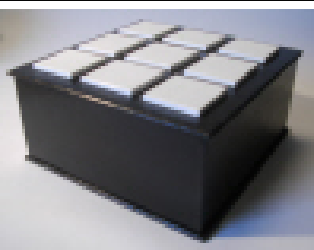
**The Crate**

This looks like a model of a packing crate, but it's another "sliding panel" puzzle box. The difference with this one is that you can see right through the whole thing, and all the workings are on the **outside!** There are long sliders and short sliders criss-crossing each other over nearly all the faces, and they all have to be moved to allow the end, bottom and top panels to move, and remove the top.

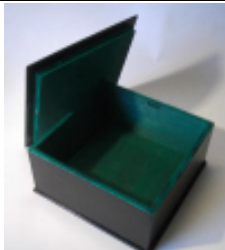
It takes 18 slider moves, and 6 panel moves to open the box.

The box measures 6 by 3-1/2 by 3-1/4 inches, if made from 1-8" plywood.

**Caution!** This box takes a lot of making-everything is made from strips of wood, held together with glue and dowel pins. There are 94 strips to cut, and 88 dowel pegs. You will need about 3 feet of 1/8" dowel rod to make all the pegs. Oh yes, and there are an awful lot of holes to drill! The plans are T-Plans, which will allow you to make this at any size.



**Tik-Tak-Tok**



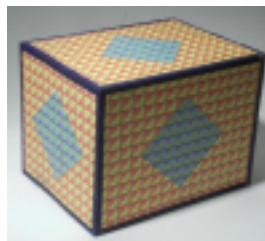
This rather nice looking puzzle box with nine squares on the lid faintly resembles a "tic-tac-toe" board, or as we Brits call it a "Noughts-and-Crosses" board.

But this is no "tic-tac-toe" game: it's another "sliding panel" puzzle box, and the sliding panels in this case are the nine squares on the lid, and they all have to be moved around to take the lid off. **Twenty moves** are required to open the lid.

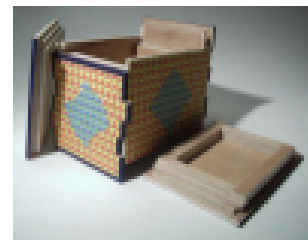
The only moving parts are in the lid, and they are precise pieces. The rest of it is just an ordinary box.

The size of this box is 6" x 6" x 3", and to make it at that size will require 1/8" thick wood.

The plans are T-Plans to allow you to make this at any size.



**Impossible Odds**



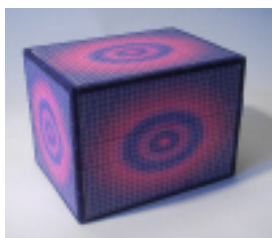
This is another sliding panel puzzle box, that looks very similar to most of the other puzzle boxes. But this one works differently to those.

Two sliders at each end are connected to dowels which run in "keyways" in the end panels. These dowels must be in a certain position *at the right time* to allow those panels to move up and down, which allow the top and bottom panels to move. After 16 moves, the top can be taken off.

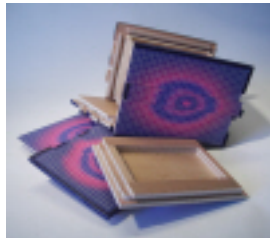
After another 8 moves, the bottom can be slid out to reveal a little recess in the bottom panel. None of this sounds very difficult does it? **But** one slider has 12 wrong moves and the other three have 13 wrong moves.

Since the four sliders are independent, these wrong moves can be multiplied together. In all, there's about **26,000 wrong moves!**

The size of this box is 3" by 3" by 4", if made from 1/8" wood, but the plans are T-Plans, which allow you to make this any size.



**Helter Skelter**

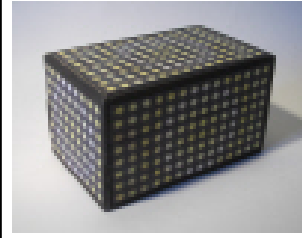


This is a fairly strange puzzle box-none of the vertical corners are the same. There are seven sliders around the sides, but very few are in line with each other. You have to start at the top, and work around and down the box to get it open. It takes only 17

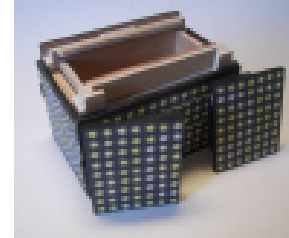
"progressive" moves to open: that is, you find the first slider to move, then find the next slider that will move, and it will be the right one. Then another one that will move, and that will also be the right one. When all the sliders have been moved, then the end, top and bottom panels can be moved to open the box.

Very easy to make-no inside cuts, circles, curves or keyways.

The size of this box is 3" by 3" by 4", if made from 1/8" wood, but the plans are T-Plans, which allow you to make this any size.



**Half and Half**



This is another "sliding panel" puzzle box, with a slider on all four sides. The front and both end panels must be lowered to reveal the lid. But the lid won't come off. This is the only time when the fourth slider can be used, to lower the back panel, revealing all four sides of the lid. But the lid **still** won't push off! What's going on here? You can see all four edges of the lid, but you still can't push it off in either direction!

The answer is in the name of the box... The lid is in two halves, and each half must be pulled off.

The box measures 4" by 2-1/2" by 2-1/4", and will require 1/8" wood to make it at that size, but the plans are T-Plans, which will allow you to make this any size.