

Read 'awl' about it

The Lockdown Newsletter from

The Cannock Chase Shed

Issue No. 28

Submissions and suggestions to Bob Mason at:

shednewsletter@virginmedia.com

week ending Sat 22nd May 2021

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Shed News

Cannock Chase Shed Zoom Webchats

These are still taking place at **10.30 am each Monday**

Committee meetings are held on Tuesdays

(for committee members only)

If you'd like to drop in, please contact Barry (barrykjames@yahoo.com) who will help you to get set up, and send you an invitation to join the meeting.

Check our webpage...

...for information about our Shed, updates about reopening and back issues of the newsletter.

<https://cannockchaseshed.org.uk/>

We are on Facebook...

Remember we have a Facebook page, where you can chat with friends, exchange ideas or ask for advice, as well as sharing your projects.

If you are having trouble finding the bits you need for your project, why not post a request? Another member may have just what you're looking for sitting unused in their garage, or they may know where you can get one.

If you have useful items that you are loath to throw away, why not put up a post, offering them to other members, before consigning them to the tip?

Official Facebook page: Private Group

<https://www.facebook.com/groups/cannockchaseshedders>

Meet the Committee

Dave Shaw	Chairman
Leslie Jukes	Deputy chairman
Barry James	Health & Safety
Avril Green	Fundraising/Secretary
Graham Johnson	Treasurer
Tim Cutler	Project Manager

Shed Media

Peter Ross	Website/Facebook Group
Bob Mason	Newsletter

Could you...



- Sort through your photos and send me a picture and a few words? – your pet, garden, favourite holiday, your most useful tool, a current or past project, a cooking success (or disaster) or favourite recipe? – Pretty much anything you like.
- send me a suggestion of something you'd like to see included in the newsletter? – anything from just a broad idea, to a finished article.
- send in a 'reader's letter'? Share an anecdote or treasured memory? Share your expertise with those who have less experience?
- Send in something else, or help in another way that I haven't even mentioned?

Or if your shy pass it to one of the committee!!!

Crossword #6

Across

- 1. Oscar Madison, e.g.
- 5. D.C. office
- 9. Astrological transition point
- 13. Biblical outcast
- 15. Meditative exercise
- 16. Part of A.M.
- 17. Tequila plant
- 18. Zorro, for one
- 20. Skunk
- 22. Keep in custody
- 23. Of direct descent
- 26. Give and take
- 27. Circle segment
- 30. Biased, in a way
- 32. Water cannon target
- 34. Curtail expenses
- 38. Burrowing animal
- 39. Witchy woman
- 41. Damaged, as a ligament
- 42. Kirk's command
- 44. List of people
- 46. Like drumbeats
- 48. Flock member
- 49. Up and about
- 52. Embroidered hole
- 54. Step-in shoe
- 56. Pleasant-sounding
- 60. Employee-abetted crime
- 63. Ready for use
- 64. Dentist's request
- 65. Computer command

1	2	3	4		5	6	7	8		9	10	11	12	
13				14		15				16				
17						18				19				
20					21				22					
			23				24	25		26				
27	28	29		30					31					
32			33				34				35	36	37	
38					39	40					41			
42				43					44	45				
			46					47				48		
49	50	51					52				53			
54						55			56			57	58	59
60						61	62				63			
64						65					66			
67						68						69		

- 66. Mortise's mate
- 67. Like some tea
- 68. Two-at-a-time tow
- 69. Monopoly payment
- 11. Composed
- 12. Minimal change
- 14. Cooking directions
- 19. Legally prohibit
- 21. Charlie Hunnam series, "Sons of _____"
- 24. Waste away
- 25. Hold on property
- 27. Kind of race
- 28. Knee-slapper
- 29. Fountain drink
- 31. Like OR instruments
- 33. Scared stiff
- 35. Musical sound
- 36. Ship's staff
- 37. Where Kilroy was?
- 40. Baptism, e.g.
- 43. Cut up
- 45. Spotted animal
- 47. Card carrier
- 49. Accused's need
- 50. ___ boom
- 51. Sample
- 53. Laser printer powder
- 55. Doctor's order
- 57. Wine's partner
- 58. Screen symbol
- 59. Small price to pay
- 61. Boxer's punch
- 62. In vitro items

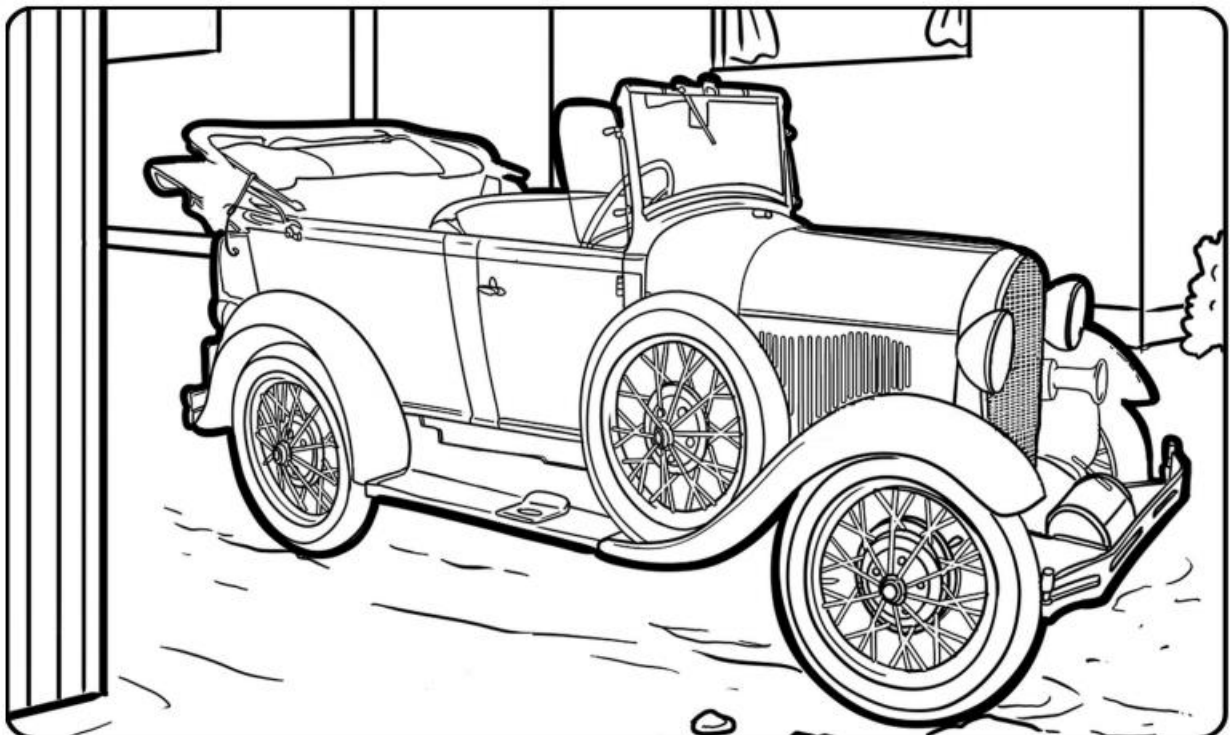
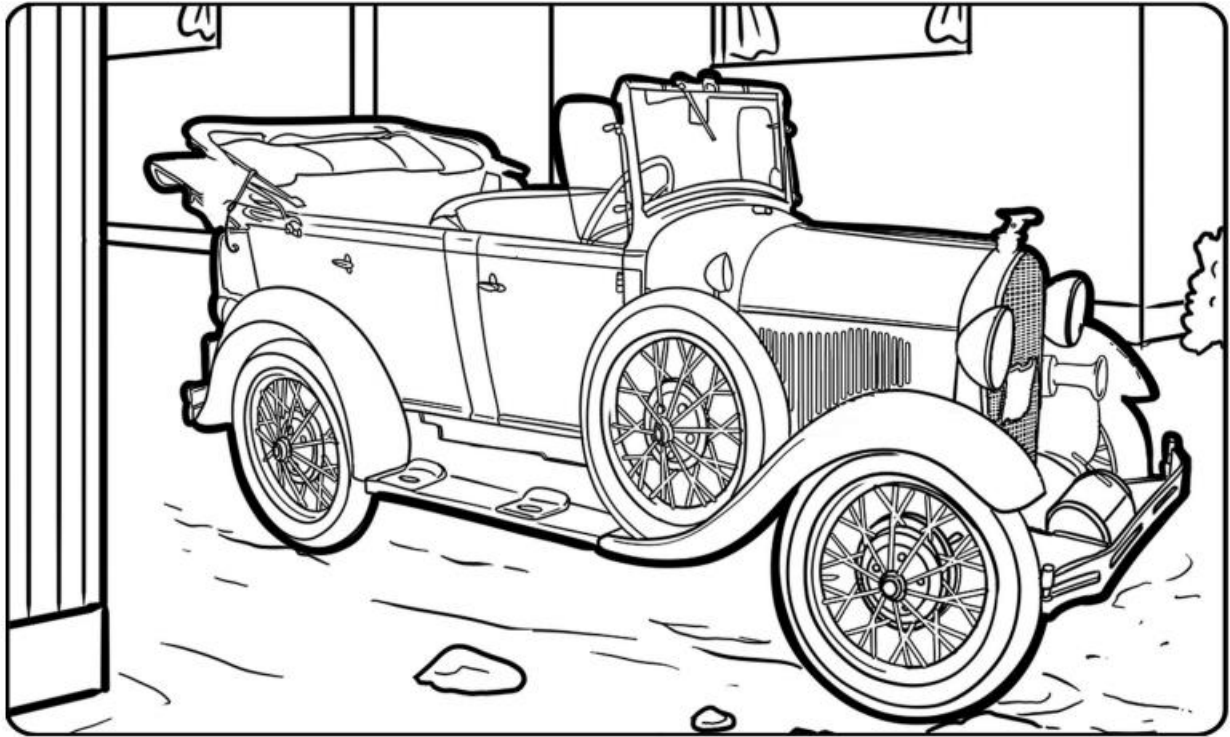
Down

- 1. High-five sound
- 2. Popular building toy
- 3. Birthstone after sapphire
- 4. Cut at an angle
- 5. Tasty mollusk
- 6. "I do," for one
- 7. Bygone days
- 8. Frying medium
- 9. Clickers
- 10. Emasculate

Free printable courtesy of PrintitFree.net

SPOT THE DIFFERENCE

Can you spot the 10 differences between these two pictures?



Free printable courtesy of PrintitFree.net

DINGBATS no. 5

DANCING

1

GRANSETITE

2

**P
M
A
D**

3

**PLATE
ETS**

4

ISOCKT

5

MINOTAUR

6



7

√PROBLEM

8

LIST



9

JOHN

Ag

10

DUPLICATE

11



12

**COMM
çç**

13

**D A B E
R M U**

14

**B
U
R
N** **B
U
R
N**

15

**D
I
A
L**

16

BEDFAST

17

2:30 PM 12:22 AM 4:46 PM
6:42 AM 10:04 AM 12:23 AM
8:25 PM 2:21 PM 9:55 AM
1:45 AM 3:12 PM 11:00 AM

18

TO LATE LATE

19

Il job

20



21

πCCC

22



23



24

Sudoku 21

	8		6	9			
7				1	6		
					3		2
		6					
	6		2				8
	9	5		3			
	9	2	3				
			1				6
	1		5	7			

Sudoku 22

					5		
7					1	8	3
	8		6	7			
1	3						8
			2				
			3			9	6
					6	7	9
5	2					4	
	1		9			2	

Sudoku 23

	6					5	
		7	9		2	4	8
2			8				
	4			6			3
	2		1		7		
		6		4			
	5			8			
			7				5
6	1	3				2	

Sudoku 24

			5	1			9
	5						4
8	6			9	7		
4				8		3	
	3			2		4	9
				7	3		1
		2		5			
	4			3	1	7	
						6	8

Free printable courtesy of PrintitFree.net

Wooden walking stilts plan

Walking Stilts are poles equipped with steps for the feet to stand on to enable the user to walk elevated above the ground. They are often used in circus, where the artists entertain the audience with their balancing skills. Sometimes are also used by house painters and fruit pickers. In the past, walking stilts have been used for crossing the swamps; also the shepherds used them to watch the cattle, because it allowed them to move quite fast and have a good view on a surrounding area from a higher position. Today, the walking stilts are favorite children toys. Walking stilts are usually made out of two long straight wooden poles, with attached footsteps on a certain height. In the nature, the wooden walking stilts can be made out of two straight, firm and long limbs that have a branch growing out at almost right angle on a suitable height. There are two basic types of walking stilts: the first type has considerably extended poles (legs) over the footsteps that should be held with hands in the upper parts. They are not tied to the legs, so it is easy to jump off if the balance is lost. They are suitable for beginners. The second type has straps with which the walking stilts are tied to the feet and do not necessarily have to be held with hands during the walk. This type is usually extended above the footsteps just to fasten the straps to the legs. This type is often used by more experienced stilt walkers.

We are offering a plan for the first type of wooden walking stilts, which you can make quickly and easily for your child. You should adjust the height of the poles (legs) to the needs and skills of the child. Our stilts have adjustable steps (footholds, footsteps). The lowest height of the footsteps in our plan is 35 cm, but as a child will develop skills and balance the steps can be raised 10 cm higher each time. Diameter of the legs is 42 mm, its lower part is square and the upper part – which is held in the hands – is cylindrical, to be comfortable for armpits and hands.

When choosing a wood for the wooden stilts the most important thing is that wood must be without any damage and it should be knot free. If the wood has any kind of knot, the stilts will break on that place and this can lead to fall and serious injury of a child. Choose durable straight grained hardwood like hard (sugar) maple wood, alder or ash wood.

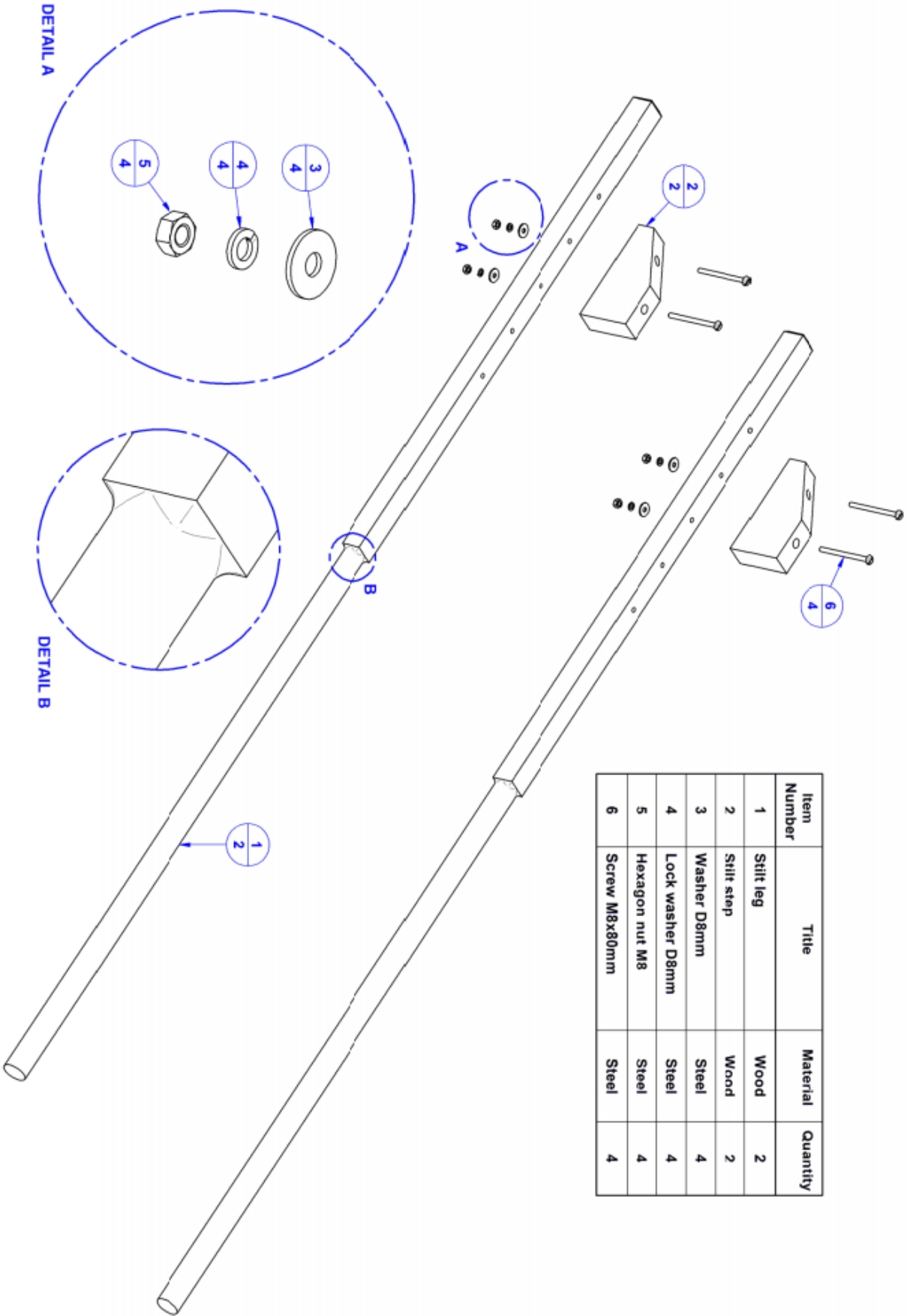
Since the stilt legs are hold tightly with hands during the walk, it is necessary to sand these parts thoroughly to avoid injury by splinters. Later, during the use, sand any nicks or splinters regularly.

Finished walking stilts should be protected with some waterproof coat such as Teak oil, Tung oil or lacquer. For the proper protection, you should apply at least three to five layers of coating. You must lightly sand the wood between each application using fine grit sandpaper. If you decide to use oil, coat them at least once a year to protect them from the moisture. Left untreated, they allow moisture to permeate the wood, which will eventually damage the stilts. To prevent splitting stilt bottoms, you can tightly wrap glass tape or band of thin metal around the bottom.

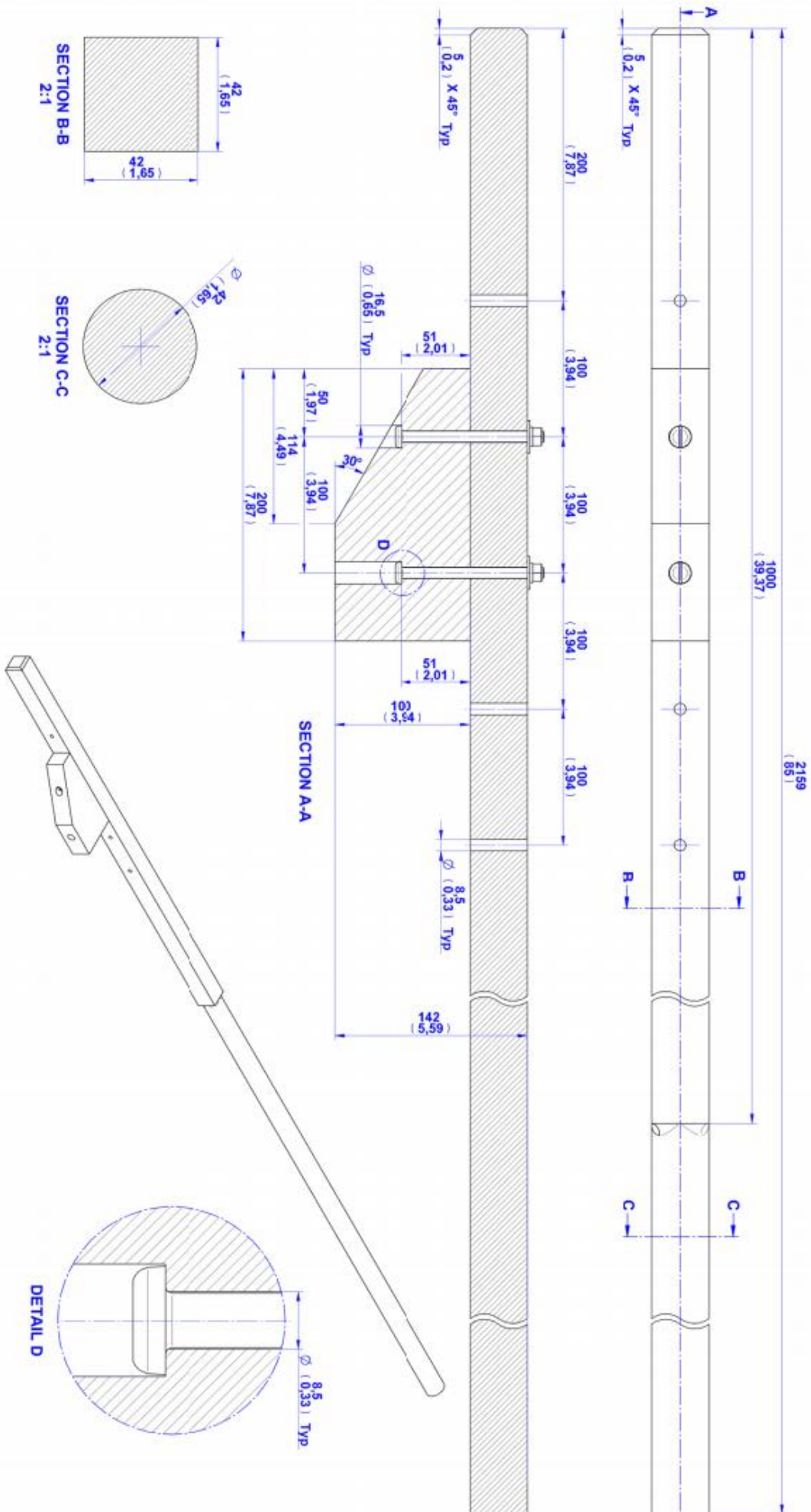
While walking on the stilts, the poles should be behind the armpits and the arms should be wrapped around the front of them. It is impossible to maintain the balance if the poles are held in front of the body. For first steps, select a firm, even surface on which to walk and try to position yourself next to a wall that you can use as support. At first, the walking stilts are real challenge, but with exercise this kind of walking becomes quite natural, even when going uphill or downhill. Stilt walking is a great fun for children. It develops their balance, coordination and endurance, but at the same time it gives self-

confidence when the skill of stilt walking is successfully mastered. In the beginning, when the child is starting to learn walking on the stilts, the steps should be set on the lowest level. During this period of learning, a few falls are inevitable, so a child also needs to learn how to fall properly to avoid injury. This is why it is important for the child to jump down from the stilts on the ground easily, so in the beginning the stilts that you need to tie to the legs are not the right choice, and an additional support is needed for the hands. Due to the safety of the child, in the beginning, the child should wear helmet, elbow and knee pads; also the supervision of adults is mandatory. After a while, when a child improve stilt walking, steps should be gradually raised on a higher levels of the stilts. Only when the technique of stilt walking is mastered completely, the stilts can be tied to the feet and knees (instead of holding it in hands). The hands are now free, and the walking stilts will provide a completely new experience. Walking stilts are an ideal entertainment gadgets and the child will willingly go out on the fresh air to exercise and improve its physical skills.





Item Number	Title	Material	Quantity
1	Stilt leg	Wood	2
2	Stilt stop	Wood	2
3	Washer D8mm	Steel	4
4	Lock washer D8mm	Steel	4
5	Hexagon nut M8	Steel	4
6	Screw M8x80mm	Steel	4



Wordsearch

Premier League

s	r	e	r	e	d	n	a	w	d	n	o	t	p	m	a	h	r	e	v	l	o	w
m	v	i	d	e	t	i	n	u	c	e	l	t	s	a	c	w	e	n	a	a	o	p
z	c	l	x	s	m	m	a	n	c	h	e	s	t	e	r	p	u	n	i	t	e	d
p	o	n	x	u	m	w	q	p	q	x	e	u	x	b	x	z	b	t	j	q	z	u
h	o	o	k	r	f	n	n	y	h	v	z	m	a	m	d	g	s	e	a	t	u	r
k	q	g	g	l	w	e	s	t	p	h	a	m	z	u	n	i	t	e	d	h	y	s
x	l	p	x	v	u	y	t	i	c	t	m	a	h	g	n	i	m	r	i	b	n	o
e	j	c	d	u	m	a	n	c	h	e	s	t	e	r	k	c	i	t	y	v	b	l
m	c	k	c	b	o	s	r	e	r	e	d	n	a	w	w	n	o	t	l	o	b	j
z	w	i	g	a	n	e	a	t	h	l	e	t	i	c	y	y	s	l	f	c	r	i
i	s	u	n	d	e	r	l	a	n	d	g	n	a	e	s	l	e	h	c	p	z	g
v	i	s	z	l	o	o	p	k	c	a	l	b	j	o	l	p	y	h	m	x	g	c
z	l	t	b	w	f	u	l	h	a	m	a	f	g	g	j	a	y	w	m	c	r	h
i	b	m	z	p	p	x	p	j	p	a	s	t	o	n	g	v	i	l	l	a	p	s
e	v	v	w	q	y	t	o	t	t	e	n	h	a	m	w	h	o	t	s	p	u	r
m	n	n	o	i	b	l	a	g	h	c	i	w	m	o	r	b	y	t	s	e	w	u
n	p	s	r	e	v	o	r	h	n	r	u	b	k	c	a	l	b	f	q	o	f	b
b	r	v	f	q	q	o	x	x	r	x	g	z	n	o	t	r	e	v	e	u	v	r
v	k	q	o	n	w	k	k	i	v	c	f	d	i	v	t	h	w	u	k	v	t	n
c	v	a	f	h	q	e	n	s	t	o	k	e	k	c	i	t	y	a	q	o	g	e
s	l	i	v	e	r	p	o	o	l	a	n	e	s	r	a	w	r	d	b	m	e	q

arsenal
aston villa
birmingham city
blackburn rovers
blackpool
bolton wanderers
chelsea
everton
fulham
liverpool

manchester city
manchester united
newcastle united
stoke city
sunderland
tottenham hotspur
west bromwich albion
west ham united
wigan athletic
wolverhampton wanderers

Humour

My wife yelled from upstairs and asked, "Do you ever get a shooting pain across your body, like someone's got a voodoo doll of you and they're stabbing it?"

I replied "No..."

**She responded:
"How about now?"**

Got granted one wish by a genie. I said I wanted to be happy. I'm now living in a cottage with 6 other dwarfs.

I went for a Chinese last night and got chatting to the waiter. He told me he lived in Japan during the war and was a kamikaze pilot and his Code Name was 'Chow Mein'. I said, "Correct me if I'm wrong, but didn't kamikaze pilots sacrifice their own lives?" To which he replied, "Yes, but I was Chicken Chow Mein." ...



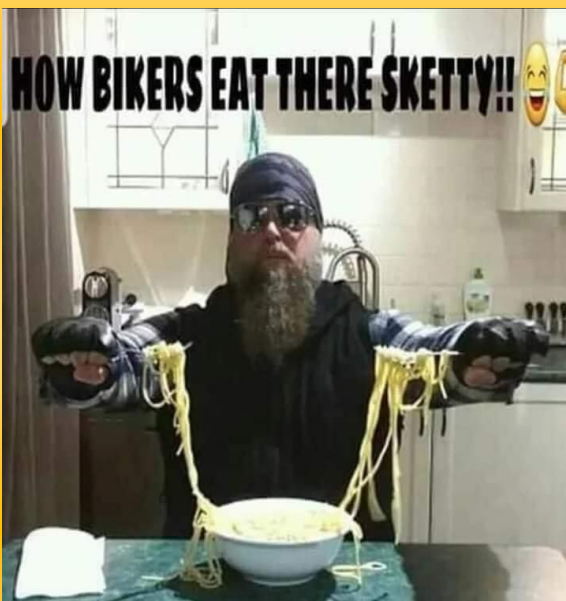


You spot a burner phone	Hastings says "SON" or "FELLA"	There is a secret meeting in a dark alley
Someone refers to 'Document X' in a folder	The CHIS is mentioned	You hear the word JIZZ
Kate looks extremely concerned	You see an AC-12 iPad swipe	BEEEEEEEEEEEEEE EEEEEEEEEEEEEE EEEEEEEEEP
"For the purpose of the tape"	Someone suspiciously peers over the AC-12 mezzanine	Kate or Steve say "MATE"

Pretending to be happy when you're in pain is just an example of how strong you are as a person.

THE WISE YOU

This has got to be the photo of the year.



**I was watching a show called
"10 Steps to Avoiding A Shark Attack"**



**I was really surprised that
"Stay Out Of The Water" wasn't step 1.**

The manager at our local IKEA is retiring, so I sent him this cake...



Laughter is good for the soul

#12

- Serenity Raven-Wolf



When I was in my younger days,
I weighed a few pounds less,
I needn't hold my tummy in
to wear a belted dress.
But now that I am older,
I've set my body free:
There's the comfort of elastic
where once my waist would be.
Inventor of those high-heeled shoes
my feet have not forgiven:
I have to wear a nine now,
but used to wear a seven.
And how about those pantyhose -
They're sized by weight, you see,
so how come when I put them on
the crotch is at my knee?
I need to wear these glasses
as the print's been getting smaller:
And it wasn't very long ago
I know that I was taller.
Though my hair has turned to gray
And my skin no longer fits;
On the inside, I'm the same old me,
It's the outside's changed a bit.

 SerenityRaven-Wolf.com

Man survives a Kodak bear
attack with just a .22 pistol



The friend he shot in the
knee was not as lucky.

**Why doesn't James
Bond fart in bed ?
Because, it would
blow his cover**

**I quit my job at the
helium factory
today, I'm not being
spoken to in that
tone of voice.**

Blimey that's Clever!



Krusevac Fortress in Serbia has a window to show you its former glory.



Hardware grouped by step rather than type.



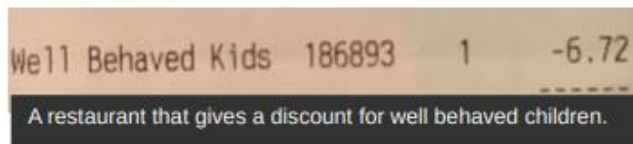
Pedestrian crossing that has an option for a longer time.



Art galleries that are making art accessible to the visually impaired.



The packaging can be used as a paint tray.



A restaurant that gives a discount for well behaved children.



Movable benches so you can always sit in the shade.



Train seats facing outwards so you can enjoy the view.



Luggage that tells you how heavy it is.



This shirt has lens cleaning cloth sewn in.



This bench is reversible so you can choose your view.



Bike stands with a cover to keep the seat dry.



A CPR training machine in an airport waiting area.



A children's hospital scanner disguised as a spaceship.



This fitted sheet tells you which way round it should go.



Call the lift with your foot if your hands are full.



A ceiling light designed to look like the sky.



Swings that charge your phone while you wait for your plane.

Latest Scams

Insights from our Scam Sharer tool

Last month, we launched our Scam Sharer tool. We had an amazing response with many of you informing us about your experiences of phishing emails, fake texts, cold calls and other types of fraud, so thank you.

[What does the data show so far?](#) We reveal which scams are rife, ones that you reported to us and which brands are impersonated the most.

What you told us

FluBot spyware

You might have already heard about 'FluBot' - the spyware that's affecting Android phones and devices across the UK. This malware contains a harmful link to download an app that can infect your phone, harvest passwords and personal info, as well as access your contacts.

[Here's how to protect yourself](#) from and get rid of FluBot, and what to do if you've been affected by malware.

What is the FluBot scam?

Scams and the Online Safety Bill

Following the Queen's speech on 11 May, measures to tackle user-generated fraud will be included in the new Online Safety Bill. But does this truly stamp out criminal content and activity online?

We explain exactly why scams must be considered as part of the Bill in order to ensure people's safety online.

Stopping scams online

At Which? we're working on improving our digital capabilities which will, in turn, improve our communications. **This means we've updated our sender address to now include info@act.which.co.uk.**

If you've received an email from Which? that you suspect to be a scam, please get in touch: [which.co.uk/contact-us](https://www.which.co.uk/contact-us)

Stay safe,

Which? scam alert team

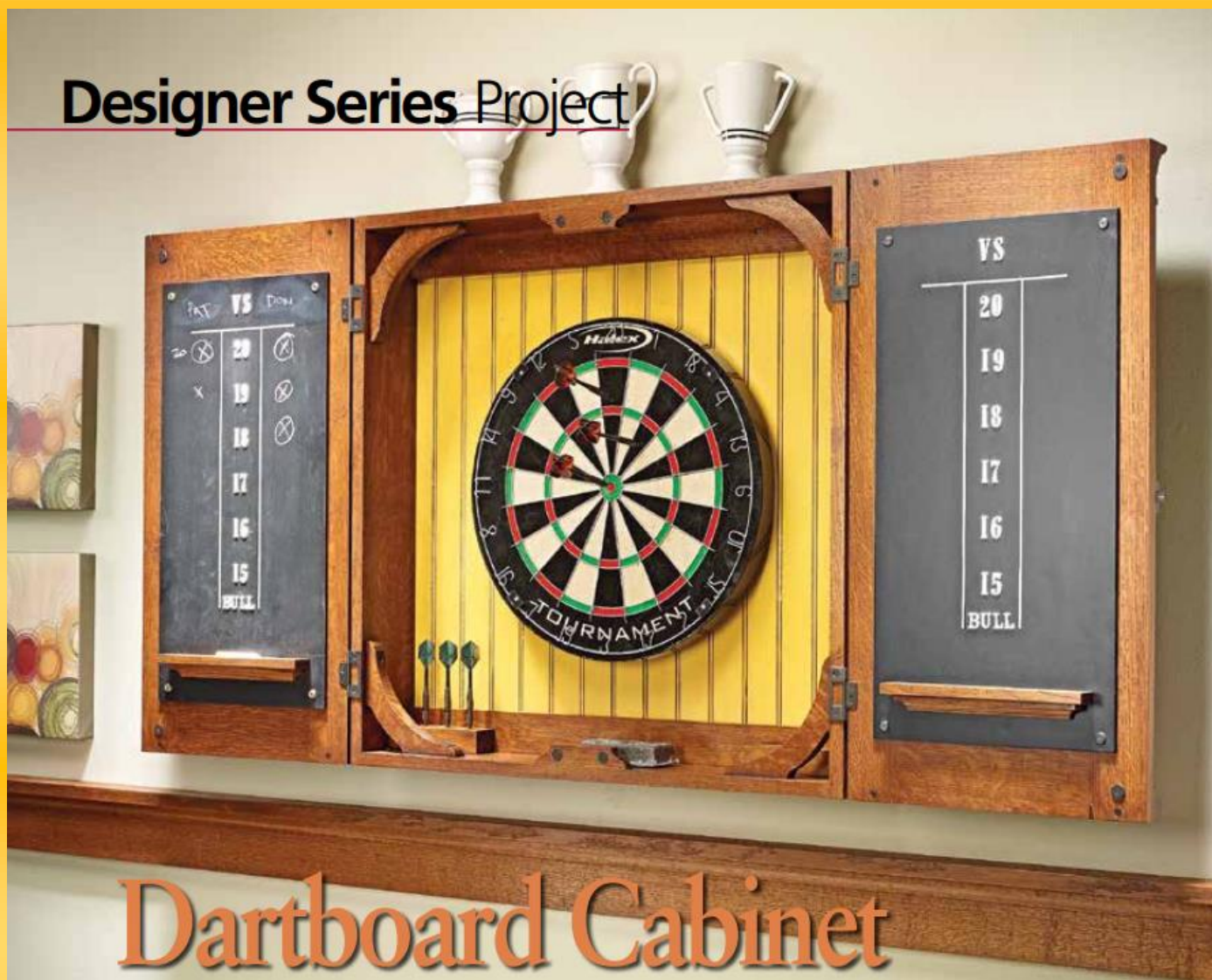
PS Please share this information with your friends, family and neighbours – anyone who may find it helpful. Or they can [sign up here](#) to receive this directly to their inbox.

You're receiving this email because you signed up to the Which? scam alert service.

Project – Dartboard Cabinet

A dartboard is a great to have if you have some kind of man cave type area in your house. It will of course also stop the darts from going into the walls. This dartboard cabinet has all the features you might want in a dartboard cabinet. Features like scoreboards and a dart holder. It is also quite visually appealing. The features, intricate design and many parts, does however make the cabinet more difficult to build. Worth the time and effort though, in my opinion.

Designer Series Project



Dartboard Cabinet

This traditional cabinet is the perfect home for your dartboard. It's exactly the treatment this classic game deserves.



▲ The cabinet's frame and panel doors and detailed moldings make it an attractive addition to the game room.

Some of my favorite memories are of playing darts in an English pub. But trying to import that experience into an American setting can be a challenge. First, you need an authentic board. After that, a classic cabinet to house the board and scoreboard can lend your game room a bit of the authentic pub atmosphere.

The cabinet shown above fills the bill. And you can choose a wood that complements your other furniture, as well. (I used quartersawn white oak to match my Craftsman-style furniture.)

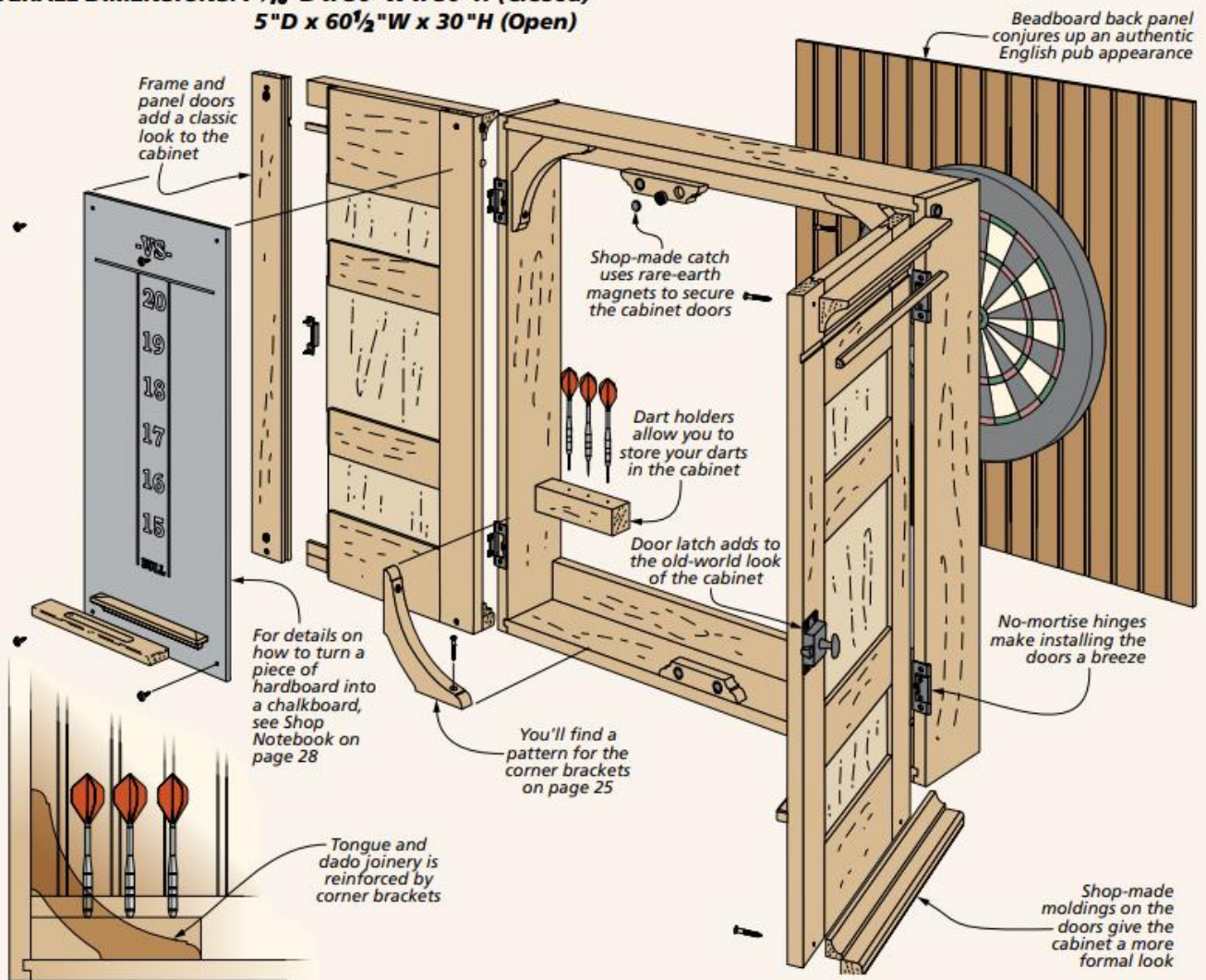
As for the woodworking, it couldn't be simpler. The basic cabinet relies on tongue and dado joinery, reinforced by the decorative corner brackets. The frame and panel doors are also pretty straightforward to build.

For the scoreboards, I used a chalkboard paint over hardboard. This works great and is much easier to cut and install than actual slate blackboards.

All in all, it's been a big hit here. Of course, everyone knows it's tough to beat a nice round of darts and a cold beverage.

CONSTRUCTION DETAILS

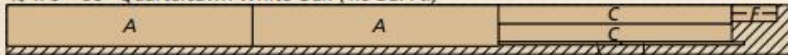
OVERALL DIMENSIONS: 7³/₁₆" D x 30" W x 30" H (Closed)
5" D x 60¹/₂" W x 30" H (Open)



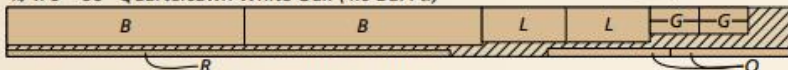
Materials, Supplies, & Cutting Diagram

A Sides (2)	3/4 x 5 - 30	K Mid Rails (4)	3/4 x 2 ³ / ₄ - 10 ¹ / ₄	• (16) #8 x 1 ¹ / ₄ " Fh Woodscrews
B Top/Bottom (2)	3/4 x 4 ⁵ / ₈ - 29	L Bottom Rails (2)	3/4 x 4 ¹ / ₄ - 10 ¹ / ₄	• (20) #6 x 3/4" Fh Woodscrews
C Cleats (2)	3/4 x 2 ¹ / ₄ - 28 ¹ / ₂	M Top/Btm. Panels (4)	1/4 ply. - 10 ³ / ₁₆ x 4 ³ / ₁₆	• (8) #6 Finish Washers
D Back (1)	3/8 bdbd. - 29 ¹ / ₂ x 30	N Center Panels (2)	1/4 ply. - 10 ³ / ₁₆ x 8 ³ / ₁₆	• (8) 1 ¹ / ₄ " Pocket Hole Screws
E Corner Brackets (4)	3/4 x 6 - 6	O Upper Cove Molding (2)	1 ³ / ₈ x 1 ¹ / ₂ - 15	• (6) 1/2" Rare-Earth Magnets w/Cups
F Door Catch Blocks (2)	3/4 x 1 - 5 ¹ / ₂	P Bead Molding (2)	3/8 x 3/8 - 15	• (6) 5/8" Magnet Washers
G Dart Holders (2)	1 ¹ / ₂ x 1 ¹ / ₂ - 6	Q Base Molding (2)	3/4 x 1 - 15	• (2 pr.) No-Mortise Hinges w/Screws
H Mounting Plate (1)	1/4 ply. - 3 x 3	R Cove Molding (1)	3/4 x 3/4 - 55 rgh.	• (1) Door Latch
I Stiles (4)	3/4 x 2 ³ / ₄ - 30	S Scoreboards (2)	1/4 hdbd. - 12 x 24	
J Top Rails (2)	3/4 x 5 ³ / ₄ - 10 ¹ / ₄	T Chalk Trays (2)	1/2 x 1 ¹ / ₄ - 10	

3/4" x 6" - 96" Quartersawn White Oak (4.0 Bd. Ft.)



3/4" x 6" - 96" Quartersawn White Oak (4.0 Bd. Ft.)



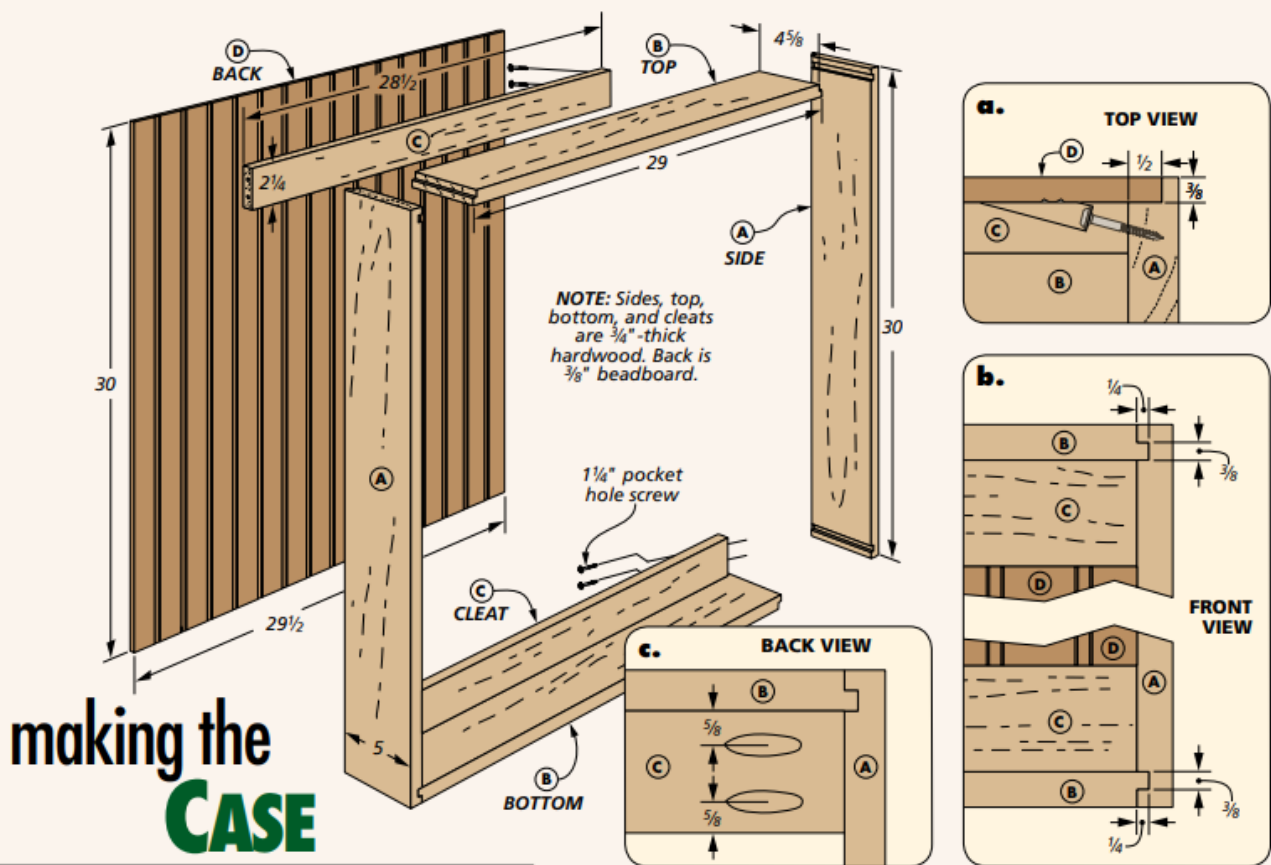
3/4" x 6" - 96" Quartersawn White Oak (4.0 Bd. Ft.)



3/4" x 9" - 48" Quartersawn White Oak (2.0 Bd. Ft.)



ALSO NEEDED: One 48" x 48" Sheet of 3/8" Yellow Pine Beadboard Paneling, One 24" x 24" Sheet of 1/4" Riftsawn White Oak Plywood, One 30" x 30" Sheet of 1/4" Hardboard



making the CASE

The basic case for the cabinet is pretty straightforward to build. The drawing above shows how I used tongue and dado joinery to connect the top and bottom to the sides. Cleats at the top and bottom of the case add strength to the joints. The addition of the beadboard back and corner brackets make the case rock-solid.

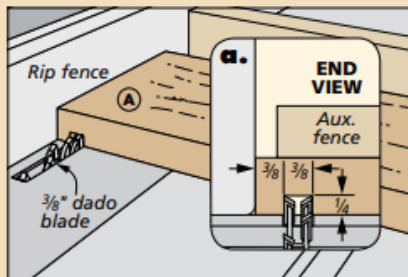
To round out the case, you'll add a pair of magnetic door catches and a couple of dart holders to keep your darts ready for competition.

SIDES. After cutting the sides to final size, the next step is to cut a pair of dados that will hold the tongues in each end of the top and bottom. The left drawing below shows how I used an auxiliary fence on the miter gauge to guide these cuts. In detail 'a,' above, you can see how the sides also need a rabbet on the rear edge to hold the back. To cut the rabbet, just install an auxiliary rip fence and bury part of the blade.

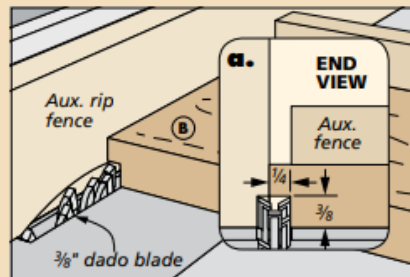
TOP & BOTTOM. Since the table saw is already set up to cut rabbets, now is the perfect time to cut the tongues on the case top and bottom. Here again, I used the auxiliary miter gauge fence to make the cuts. The center illustration below shows how it works. Start with the blade a bit low and sneak up on the cut. Test the tongue in the dado until it's a snug fit.

CLEATS. A pair of cleats help tie the case together. I used pocket hole joinery to secure the cleats.

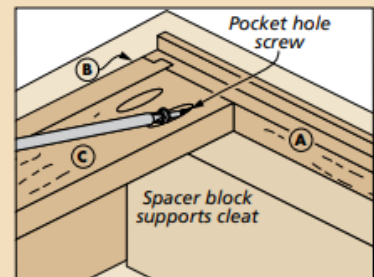
How-To: Case Joinery



Dados. With a dado blade installed and an auxiliary fence on the miter gauge, use the rip fence to locate the dados.



Tongues. Bury the dado blade in an auxiliary rip fence to cut the tongues. Sneak up on a snug fit to the dados.



Cleats. To hold the cleat in place while driving the screws, I cut a spacer block from a piece of scrap.

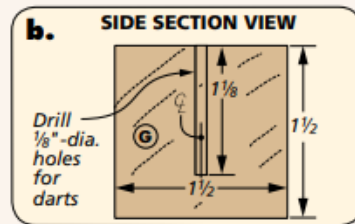
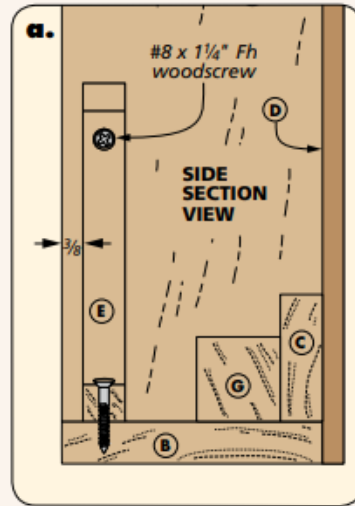
The big advantage to this type of joint is that it pulls the sides together and traps the top and bottom in the dados. On top of that, it's easy to make using a pocket hole jig. The right drawing at the bottom of the previous page also shows the spacer block I used to hold the cleat in position while I drove the screws.

BACK. Now you're ready to cut the beadboard back to fit. But before you make any cuts, take a minute to lay out the size and center the beadboard. This will give you a much nicer look in the finished cabinet. With that done, you can attach the back using a few screws for now. (You'll paint it later, before the final installation.)

CORNER BRACKETS. Four corner brackets strengthen the cabinet and add a pleasant decorative accent. The pattern at right provides all the details you need to make the brackets.

The important thing to keep in mind is the grain direction. The grain should run the length of the bracket. The drawings below show what I mean and walk you through the process of cutting and shaping the brackets.

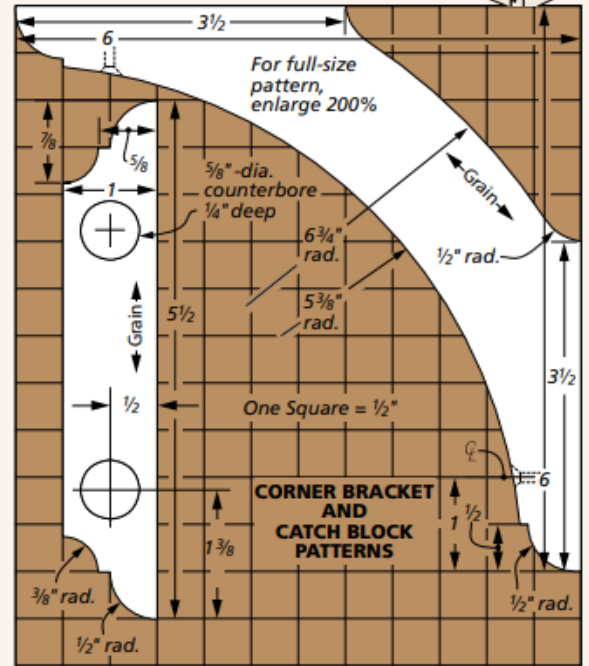
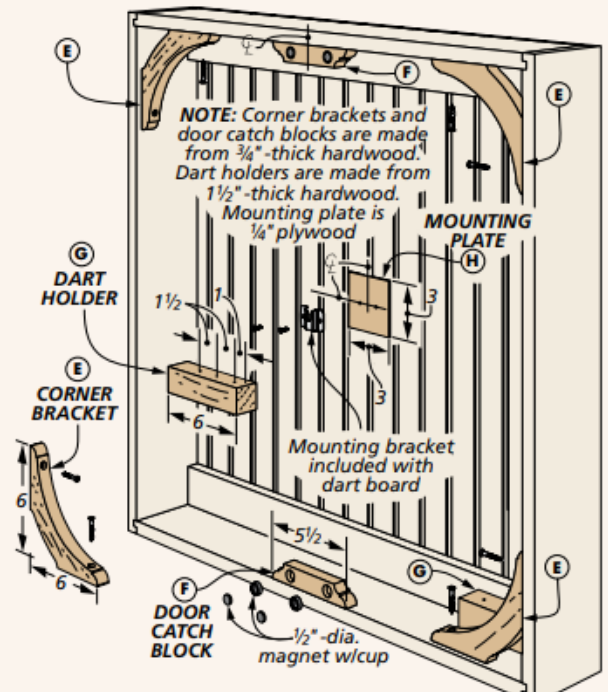
Finish them up by drilling countersunk screw holes at the locations shown in the pattern. Now you can install the brackets with screws and glue. Once again, I placed a spacer block behind them while I drove the screws.



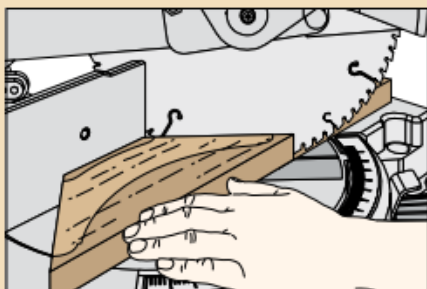
DOOR CATCH BLOCKS. You'll also find the pattern for the door catches at right. As before, cut and sand them to final shape. Then drill the holes for the magnets. The catches are glued in place, flush with the front edge of the case.

DART HOLDERS. I glued up narrow stock to make the 1 1/2-inch-thick dart holders. After that, just cut them to final size and drill holes for the points of your darts (detail 'b').

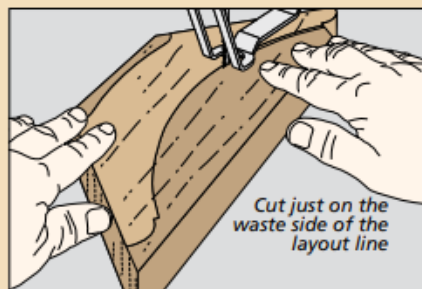
MOUNTING PLATE. Now, add the mounting plate. It provides a base for the metal bracket that comes with the dartboard. Center it on the back and glue it in place.



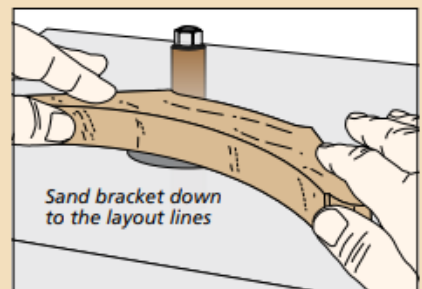
Shaping the Brackets



Start with the Miterers. After tracing the pattern for the bracket on an oversize blank, miter both ends.



Cut Out the Shape. You can cut out the shape of the brackets using a scroll saw, jig saw, or band saw.



Sanding. A spindle sander works great for removing the saw marks and cleaning up the edges of the brackets.

completing the CABINET

After assembling the basic case, the next step is to add a pair of frame and panel doors. I used simple stub tenon and groove joinery to build the doors.

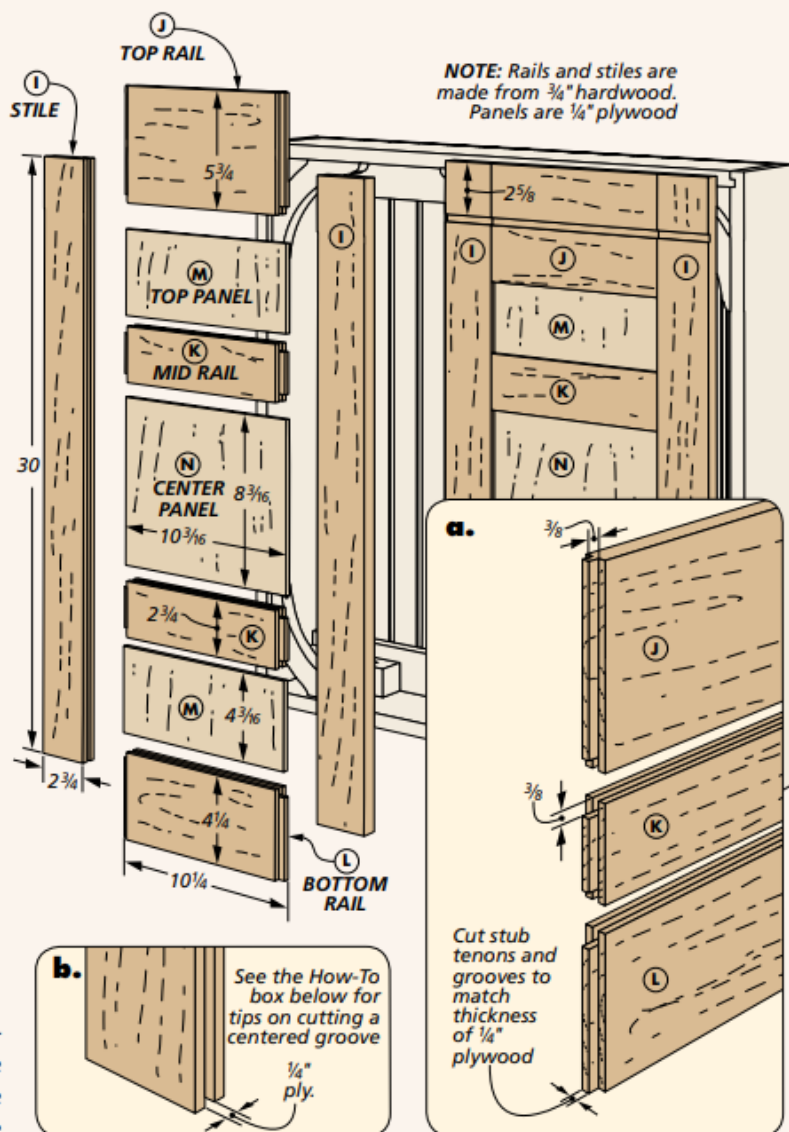
On the inside, I installed a scoreboard on each door with a chalk tray below. Then it's just a matter of adding some moldings, and the cabinet will be ready to install.

DOORS. I started by cutting the stiles and the rails to final size. Then you'll add a groove on the inside edge of each piece. Note that the mid rails have a groove on both ends.

The box below shows how to cut the grooves and stub tenons for the door parts. Each door also requires three plywood panels.

ASSEMBLY. Now you can assemble the doors. When the glue dries, take the doors back to the table saw and cut the groove along the front face that holds the bead molding. The right drawing below has the details.

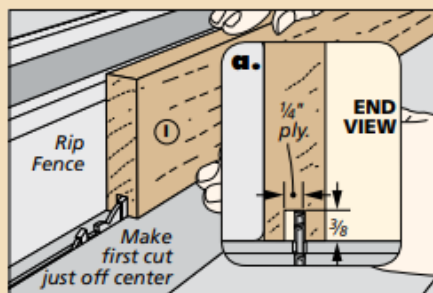
MOLDINGS. I used a commercially available cove molding at the top of each door. (Refer to Sources on page 8 for information.) The rest of the moldings



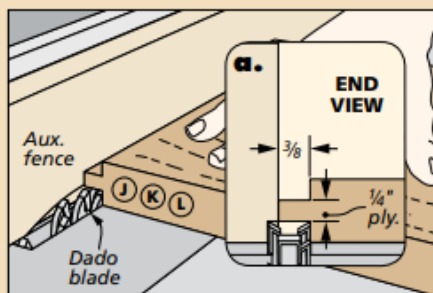
are shop made. The left and center drawings at the bottom of the next page show you how to make them. There's no mitering necessary. Just cut each piece to fit the door and install them with glue and screws.

SCOREBOARDS. It wouldn't be much of a cabinet if it didn't include a scoreboard. I put one on each door because they're so easy to make. They're just hardwood sprayed with a chalkboard paint. Shop Notebook on page 7.

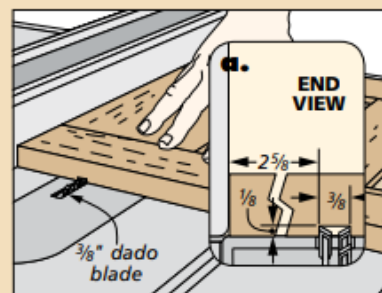
How-To: Door Frame Parts



Groove. To cut the centered grooves, make the first cut, then flip the workpiece and make the second cut.



Tongues. Bury a wide dado blade in an auxiliary fence to cut the tongues. Sneak up on a snug fit to the grooves.



Molding Channel. Use a dado blade and the rip fence to cut the shallow groove for the bead molding.

covers the process of painting and adding the numbers.

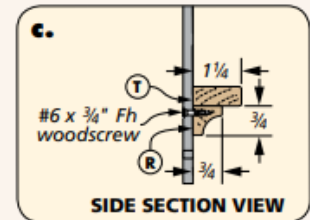
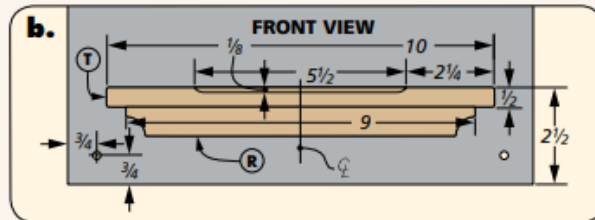
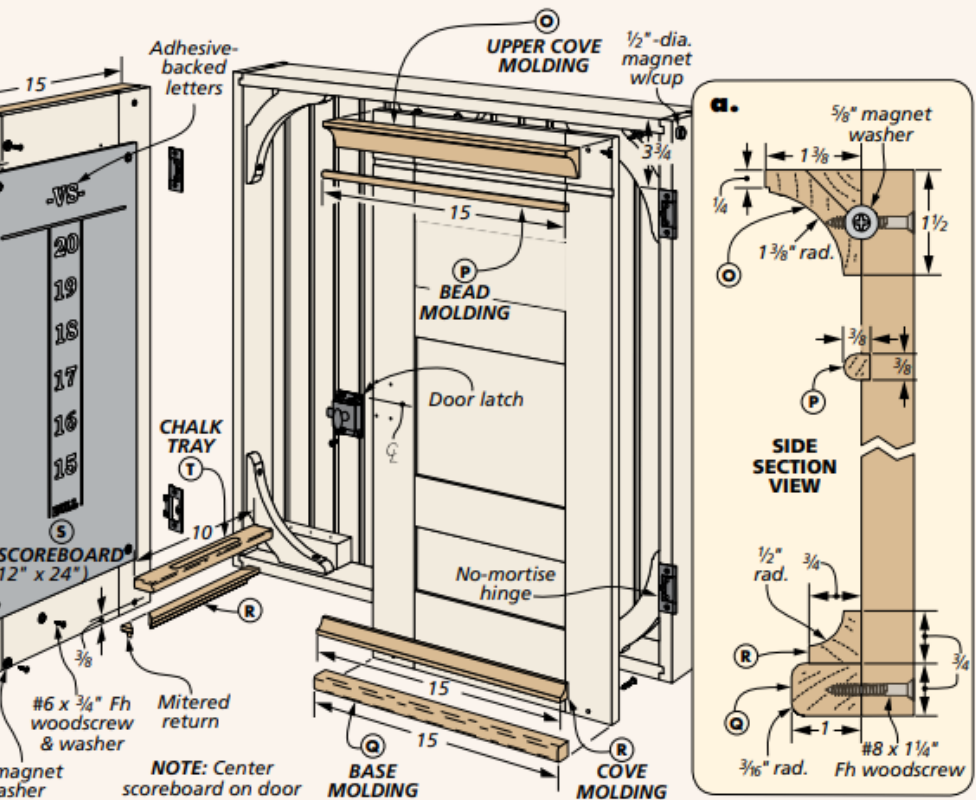
CHALK TRAYS. A handy chalk tray gets mounted under each scoreboard. The right drawing below illustrates how I used a couple of stop blocks to “drop in” the blank and rout the shallow, centered recess in each. The blocks not only limit the length of cut, but they allow you to keep your hands well out of the way during the process.

Finally, another small piece of cove molding fits under the chalk trays. To give the molding a more finished look, I mitered a small return for each end.

Once you’ve attached the chalk tray and molding to the painted scoreboard, you can mount the board on the door. For this, I used small screws and finish washers.

MAGNETS & WASHERS. You can now drill screw holes in the doors to hold the magnetic washers as shown in the main drawing. The washers work with the magnets in the door catch blocks.

Detail ‘a’ shows the position for the washers I installed on the upper outside edge of both doors. Magnets mounted in the case sides hold the doors open when in use.

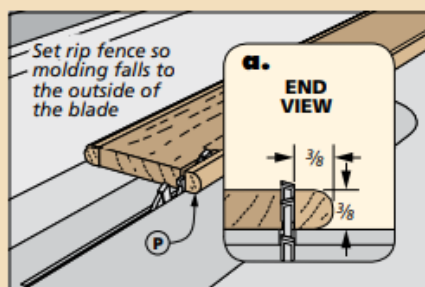


I used no-mortise hinges to hang the doors. There’s nothing tough about installing these hinges. Just lay out the position on the cabinet sides and attach the hinges with screws. Put the door in position with shims to give it an even gap all around. Then screw the hinge to the door.

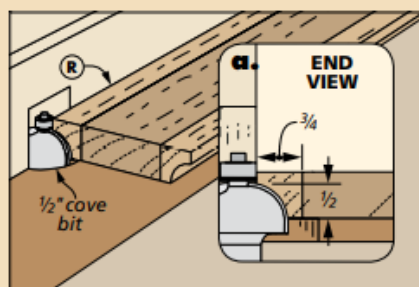
After hanging the doors, I installed the latch with screws. Now, you can paint the beadboard back and screw it in place.

You can find the details of how I stained and finished the cabinet on page 8. When you’re done, just hang the cabinet and mount the dartboard.

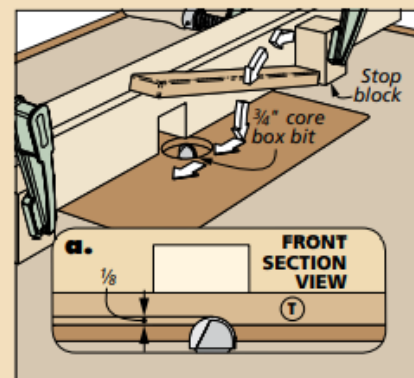
Door Moldings & Chalk Trays



Bead Molding. Rout the bead profile on an extra-wide blank. Then rip the strips of molding free at the table saw.



Cove Molding. With a cove bit in the router table, rout the molding in two passes to avoid tearout.



Chalk Trays. Clamp stop blocks to the fence to limit the length of cut and lower the workpiece onto the bit.

SHOP NOTEBOOK

Chalk It Up

The dartboard cabinet needed a pair of scoreboards, but I couldn't find actual slate chalkboards in the right size. Instead, I turned to a can of spray paint and a piece of tempered hardboard.

The chalkboard spray paint shown in the photo at right worked like a champ. All you need to do is cut the hardboard to size and drill the countersunk screw holes to mount it to the cabinet.

After that, I started the paint job by first spraying on a couple coats of gray primer. You'll want to let the primer dry and sand it smooth before spraying on the chalkboard paint. I used two coats to get a nice, flat look. Best of all, it works like a regular chalkboard.

To complete the scoreboards, I used adhesive-backed, plastic letters and numbers. They gave the boards a professional look.



◀ With a can of chalkboard spray paint and a pack of stick-on letters and numbers, you can turn a piece of hardboard into a handy scoreboard.



Acknowledgements

To Anne for Dingbats and Blimey that's Clever thanks much appreciated

If you have any thing you would like to share send it to me,

I always work a week in front if I can so it may not appear in the next issue.

Answers to Puzzles

Solution for Crossword #6



DINGBATS no. 5 answers

- | | | | |
|----|-------------------------------|----|-------------------------------|
| 1 | BREAK DANCING | 13 | COMMON SENSE |
| 2 | SET IN STONE | 14 | BERMUDA TRIANGLE |
| 3 | RISING DAMP | 15 | SIDE BURNS |
| 4 | STEP UP TO THE PLATE | 16 | LAID UP |
| 5 | PUT A SOCK IN IT | 17 | BED AND BREAKFAST |
| 6 | GREEN EYED MONSTER | 18 | TIMES SQUARE |
| 7 | FIFTH WHEEL | 19 | TOO LITTLE TOO LATE |
| 8 | ROOT OF THE PROBLEM | 20 | THE ITALIAN JOB |
| 9 | A LIST AS LONG AS YOUR
ARM | 21 | GOING UP IN SMOKE |
| 10 | LONG JOHN SILVER | 22 | PISCES |
| 11 | COPY CAT | 23 | GOING ROUND IN
CIRCLES |
| 12 | LOVE HURTS | 24 | A WOLF IN SHEEP'S
CLOTHING |

Sudoku 21 Solution

1	8	3	2	6	9	4	5	7
7	2	5	4	3	1	6	8	9
9	6	4	7	8	5	3	1	2
2	4	7	6	9	8	1	3	5
3	5	6	1	2	4	7	9	8
8	1	9	5	7	3	2	4	6
5	9	2	3	4	6	8	7	1
4	7	8	9	1	2	5	6	3
6	3	1	8	5	7	9	2	4

Sudoku 22 Solution

4	9	1	8	3	5	6	2	7
7	6	2	4	9	1	8	3	5
3	8	5	6	7	2	1	9	4
1	3	4	7	6	9	5	8	2
9	7	6	5	2	8	3	4	1
2	5	8	3	1	4	9	7	6
8	4	3	2	5	6	7	1	9
5	2	9	1	8	7	4	6	3
6	1	7	9	4	3	2	5	8

Sudoku 23 Solution

8	6	1	3	7	4	9	5	2
5	3	7	9	1	2	4	6	8
2	9	4	8	5	6	1	7	3
1	4	5	2	6	8	7	3	9
9	2	8	1	3	7	5	4	6
3	7	6	5	4	9	8	2	1
7	5	2	6	8	1	3	9	4
4	8	9	7	2	3	6	1	5
6	1	3	4	9	5	2	8	7

Sudoku 24 Solution

2	7	3	5	1	4	8	9	6
1	5	9	3	6	8	2	7	4
8	6	4	2	9	7	1	5	3
4	2	5	1	8	9	3	6	7
7	3	1	6	2	5	4	8	9
6	9	8	4	7	3	5	1	2
3	8	2	7	5	6	9	4	1
9	4	6	8	3	1	7	2	5
5	1	7	9	4	2	6	3	8

Free printable courtesy of PrintitFree.net

Wordsearch Answers

Premier League

s	r	e	r	e	d	n	a	w	d	n	o	t	p	m	a	h	r	e	v	l	o	w
m	v	i	d	e	t	i	n	u	c	e	l	t	s	a	c	w	e	n	a	a	o	p
z	c	l	x	s	m	m	a	n	c	h	e	s	t	e	r	p	u	n	i	t	e	d
p	o	n	x	u	m	w	q	p	q	x	e	u	x	b	x	z	b	t	j	q	z	u
h	o	o	k	r	f	n	n	y	h	v	z	m	a	m	d	g	s	e	a	t	u	r
k	q	g	g	l	w	e	s	t	p	h	a	m	z	u	n	i	t	e	d	h	y	s
x	l	p	x	v	u	y	t	i	c	t	m	a	h	g	n	i	m	r	i	b	n	o
e	j	c	d	u	m	a	n	c	h	e	s	t	e	r	k	c	i	t	y	v	b	l
m	c	k	c	b	o	s	r	e	r	e	d	n	a	w	w	n	o	t	l	o	b	j
z	w	i	g	a	n	e	a	t	h	l	e	t	i	c	y	y	s	l	f	c	r	i
i	s	u	n	d	e	r	l	a	n	d	g	n	a	e	s	l	e	h	c	p	z	g
v	i	s	z	l	o	o	p	k	c	a	l	b	j	o	l	p	y	h	m	x	g	c
z	l	t	b	w	f	u	l	h	a	m	a	f	g	g	j	a	y	w	m	c	r	h
i	b	m	z	p	p	x	p	j	p	a	s	t	o	n	g	v	i	l	l	a	p	s
e	v	v	w	q	y	t	o	t	t	e	n	h	a	m	w	h	o	t	s	p	u	r
m	n	n	o	i	b	l	a	g	h	c	i	w	m	o	r	b	y	t	s	e	w	u
n	p	s	r	e	v	o	r	h	n	r	u	b	k	c	a	l	b	f	q	o	f	b
b	r	v	f	q	q	o	x	x	r	x	g	z	n	o	t	r	e	v	e	u	v	r
v	k	q	o	n	w	k	k	i	v	c	f	d	i	v	t	h	w	u	k	v	t	n
c	v	a	f	h	q	e	n	s	t	o	k	e	k	c	i	t	y	a	q	o	g	e
s	l	i	v	e	r	p	o	o	l	a	n	e	s	r	a	w	r	d	b	m	e	q