Detailed index for the Tally Ho videos on Youtube

"She will have her original lead ballast keel, some planking, other re-used original timber, and various bits of hardware, as well as the continuity of looking like the same boat in any one given day. According to Lloyds, the Greeks (see ship of Theseus), the wooden-boat community, and myself, it will be the same boat!

But, people are free to disagree and call it what they want."

	_		
episode	published	Title episode	Topic(s)
001	2017-06-15	Visiting Tally Ho - Rebuilding Tally Ho EP1	Visit and inspection TH in Brookings Oregon
			Preparing the site in Sequim
002	2017-07-12	Moving Tally Ho - Rebuiding Tally Ho EP2	TH arrives and is unloaded in the yard
003	2017-07-31	Building HUGE boatshed ALONE - Rebuilding Tally Ho EP3	Building a boatshed
			Introduction Pancho (is present nearly every episode)
			Motorcycle
			Surroundings (The coast)
			Introduction of the workshop
004	2017-08-30	AMAZING WORKSHOP TRANSFORMATION - Rebuilding Tally Ho EP4	Sorting and organising the workshop
			Building a mezzanine
			First volunteer (Cosi)
005	2017-09-19	Sailing on HUGE 3-masted Schooner / Maine - Rebuilding Tally Ho EP5	Daydreaming
			The other job: relief bosun on Adix
			Sailing the Incredible Classic Yacht Adix
			moving in to the workshop
000	2017-09-29	The Debuild Desire - Debuilding Tells He EDC	making a lofting table/editing stand/living space
006	2017-09-29	The Rebuild Begins - Rebuilding Tally Ho EP6	clearing out TH
			organising the wood stack removing garboards
007	2017-10-15	The Keel Timber & The Building Inspector - Rebuilding Tally Ho EP7	removing concrete in the bilge
007	2017-10-13	The Reel Timber & The Building hispector - Rebuilding Tally No EF7	removing interior structures
			short trip into the mountains with Megan
			removing prop shaft/engine bed
			removing keel bolts
			visit building inspector
			drawing plans for the shed
			Introduction Saylor (dog)
008	2017-10-28	Removing her Keel (& the return of the building inspector) - Rebuilding Tally Ho EP8	removing the keel bolts
			removing the lead keel
			Second visit of the building inspector
			Wood boring worms
			Lifting TH to separate the boat from the lead keel
009	2017-11-08	A Stiff Breeze to Bermuda - Rebuilding Tally Ho EP9	Moving Adix to Bermuda
			Meeting the Adix crew
010	2017-11-26	Deck hatches & Rollerskates (& why I have this amazing workshop) - Rebuilding Tally Ho EP10	Dog poo fence
			scaffolding
			preparing to remove the deck
			How Leo got the use of the workshop/workspace for TH (Raul and Darlene)
			Francesca (Cecca) arrives
			Sailing schooner Martha
			The schooner Martha foundation

1 1			Dumping fridges at recycling centre and roller-skates
			remove hatches
			Pancho is aggressive/jealous
			Finding the ships official numbers
			Removing the windlass
			Volunteer Tim
			Removing the cockpit
			Removing other hardware
011	2017-12-05	Demolishing the deck / Reasons to Rebuild - Rebuilding Tally Ho EP11	a bit of lead for the internal ballast
			removing deck planks and documenting construction details
			volunteers Rob and Andrew
			discussing floors with Andrew
			building a new boat versus rebuilding/restoring
			removing other hardware
			removing the covering boards
			measuring the deck structure
			first idea of what needs to be replaced
			review of the work with Cecca
			setting up a Patreon page ?
012	2017-12-20	Chainplates & Knees / Live Oak & Bronze - Rebuilding Tally Ho EP12	removing the last deck beams
012	2017 12 20	champiates a wicesy lave out a bronze. Resultant transfer to	volunteer Tim
			removing fastenings and knees
			Patreon account created
			trip to Port Townsend for timber, visit boatbuilders and foundry
			Haven boatworks (live oak)
			Haven Boatworks
			Maritime Centre (chat with Robert d'Arcy)
			discussion about renewing parts of a boat during it's life time
			Port Townsend Foundry
			Port Townsend Foundry
			talk with Pete about the knees (reuse or new in bonze)
			Friends from England Max and Tom (volunteering)
			removing the chain plates
013	2018-01-06	Stringers & Breast Hooks / Replace the Keel Timber ?! - Rebuilding Tally Ho EP13	removing the stringers
			eggs for breakfast
			removing the lower breast hook
			bronze bars that stiffen the deck structure around the main hatch
			Cecca leaves
			Trying to save the keel timber
			making a list for needed framing stock etc and stem and deadwood
			volunteer Logan
			removing the top breast hook
			removing part of the floors
			dilemma: replacing the keel timber ?
014A	2018-01-20	Buying a New Keel Timber / Chainsaw Modification - Rebuilding Tally Ho EP14.PART1	
U14A	2010-01-20	Duying a New Reel Hillber / Chainsaw Mounication - Repulliding Tally no EP14.PART1	2nd Visit to Robert d'Arcy boatbuilder Selecting purple heart for the keel timber in Port Toyongod
			Selecting purple heart for the keel timber in Port Townsend
			delivery of the purple heart at the yard
			planning the scarph in the keel timber
			making a template for the scarph
			modification of a new chainsaw
			rough cut of the scarph with Logan
014B	2018-01-27	Cutting and Fitting a Keel Timber Scarph Joint - Rebuilding Tally Ho EP14.PART2	making the scarph joints
			What are the specs of purple heart

	1		
			volunteer Bram
			new power plane
			first fit of the keel timber parts
			Pancho takes possession of the keel timber
			second fit of the keel timber parts
			the keel timber parts fit + cost in wood
015	2018-02-10	Building a New, Traditional Boat in Cornwall - Rebuilding Tally Ho EP 15	Back to England (for a bit)
			making wooden floors in Penpol, Cornwall (at Butler and Co)
			a interior view of a classic wooden yacht (how TH's could be constructed)
			a bit of Leo's boatbuilding history
016	2018-02-24	<u>Laminating timbers into an old yacht / Cornish Projects - Rebuilding Tally Ho EP16</u>	laminating floors for an old yacht
			using epoxy for the laminate
			cutting limber holes
			making and applying bedding putty with linseed oil and red lead powder
			visiting another project converting an fishing boat into a cruising restaurant
			the youngest apprentice
			replacing bottom frames
017	2018-03-10	Massive New Pilot Cutter Build / Ferry Planks - Rebuilding Tally Ho EP17	visit to Luke Powell and the Pilot cutter Pellew
			The Falmouth Cutter
			A peek into Agnes interior, Luke Powell's own pilot cutter
			making and mounting shutter planks (at Butler & Co)
018	2018-03-24	The History of the Yacht Tally Ho / Pilot Cutters / Going South - Rebuilding Tally Ho EP18	Tally Ho's history
			Meeting with the grandson of TH's skipper
			Visit RB Boatbuilding, Underfall yard, Bristol
			RB Boatbuilding
			Talk with John, Leo's first "employer" who explains how the pilots worked in the Bristol Channel
			Talk with John about Pilot cutters, the advantages of wooden boats versus steel or fiberglass
			Travel back to the USA, to Boston to pick up a donated truck
			Driving to South Georgia to select an mill live oak flitches for the new frames
			Meeting Steve Cross from Cross sawmill
			Cross Sawmill
019	2018-04-08	Milling Live Oak in the Deep South - Rebuilding Tally Ho EP19	selecting live oak flitches at Cross sawmill
013	2010 04 00	Willing Live Oak in the Deep South Rebuilding Tally 110 Et 15	The unique sawmill
			On tour in live oak country with Steve
			Live oak specifications
			The biggest live oak tree in the US (World ?)
			selecting and rating flitches
			Special saw blades for live oak
			l'
020	2018-04-21	Removing HUGE Keel Timber from 20ton historic yacht, ALONE! TALLY HO EP20	milling live oak Traveling from South Georgia to Sequim
020	2018-04-21	Removing Hode Reel Himber from Zoton Historic yacht, Alone: TALLY HO EPZO	
			Bolting the scarph on the new keel timber
			Making the bolts in Port Townsend
			Bedding the scarph
			Live oak delivered from South Georgia
			Public request for a (cheap) forklift to move all the wood around
			construction of a framework inside the hull before the old keel can be removed
			New volunteer
			Lifting of the boat up in preparation to the removing the keel
			cutting the keel free from the frames and floors
			removing the old keel
021	2018-05-05	Chainsawing & fitting huge new Keel Timber in a 1910 sailboat - Rebuilding Tally Ho EP21	making a template from the old keel timber
			planing top and bottom of the new keel timber
1			custom made chainsaw jig

	1		cutting and planing the new keel timber
			putting in a graving piece
			bend the lead keel a bit
			new volunteer Tom
			sliding the new keel timber under the boat
022	2018-05-19	Restoring a HUGE vintage Ship Saw / Bandsaw - Rebuilding TALLY HO EP22	straightening the hull
			taking the old floor timbers out and putting in temporary clamps to the bottom of the frames
			a forklift on loan
			the story of the vintage ship saw
			Uspatent shipsaw ?
			volunteers Eric and Logan, both from the Northwestern School of Wooden Boatbuilding
			Northwestern School of Wooden Boatbuilding
			help from neighbour Andrea, digging some deep holes around the ship saw
023	2018-06-02	The Wreck and the Rescue - Rebuilding Tally Ho EP23	stickering the live oak flitches
			detailed measuring of the boat
			discussing the errors made in Rarotonga when repairing the boat
			discussing possible corrections made in Rarotonga
	1		removing planks on the starboard side of the hull
	1		Pancho becomes supervisor of the works
			History revealed how and why TH ran on a reef in Rorotonga
			first idea how to build the new frames
			correcting the mismatches on both sides or relofting the complete hull
024	2018-06-16	Lofting the Lines; Part 1 - Rebuilding Tally Ho EP24	More measurements on both sides of the hull
024	2016-00-10	Lording the Lines, Part 1 - Rebuilding Tally No EP24	Picking up an old friend at the airport : Celia
			conclusion: the boat is not fair (the lines are not smooth)
			solution: loft the complete boat out
			clearing the workshop and making a lofting floor
			making long battens
			15:12 to 18:19 technical explanations of the drawing
			Drawing waterlines, sheer line,
			request to find a transport for the missing live oak still in Southern Georgia
025	2018-06-30	<u>Lofting the Lines; Part 2 - Rebuilding Tally Ho EP25</u>	Measuring the lead ballast keel to incorporate it into the lofting plan
			drawing the body plan: buttock lines and diagonals
			Cecca is back
			Making marking staffs
			transfer the sheer line to the body plan using the measurements from the lofting floor
			transfer the half-bred widths to the body plan
	1		solving problems with missing details on the paper plan
	1		bringing in the buttock lines and the diagonals into the body plan
			adding the measurements of the buttock lines and the diagonals to the table of offsets
	1		fairing all the points from the different lines a first time correcting errors
			going through the same process on the other half of the body plan
			new volunteer Marc
			giving the body plan a once over with corrected measurements
026	2018-07-14	The Kindness of Strangers - Rebuilding Tally Ho EP26	new volunteer Riley
	1		Makes a guard for the top wheel of ship saw
	1		new volunteer Matheus, auto mechanic
	1		he gives the forklift a detailed service (adjusting valves, lubricating all the moving parts,)
	1		deepening the pit to be able to mount a second guard around the bottom ship saw wheel
			Kevin (and friends) brings a few things: a sign for the shop, welding equipment and table
			and gives a few quick welding lessons
			On the lofting floor Leo draws the intermediate frames (which are not on the paper plan)
	1		to make the templates for the frames he has to subtract the thickness of the planks
	1		to make the templates for the frames he has to subtract the thickness of the planks

1			Meanwhile the volunteers remove more planks to get the hull ready to receive the new frames
027	2018-07-28	From Lofting to Re-Framing / Removing Planks - Rebuilding Tally Ho EP27	new volunteer Rees
			still lofting
			figuring out the bevels of the frames
			a baby crow gets the Cecca treatment
			Logan is back (for a third time)
			placing the boat level before framing can begin
			Zoli is back
			Making the first template
			selecting flitches for a frame
			rough sawing of frame parts
			flattening the frame parts (= futtocks)
			thickening the futtocks
			drawing the futtocks from the template
			marking the waterlines etc, and the bevel of the futtocks new volunteer: David
020	2010 00 11		makes extra shelves for the wood stacks and helps out with a few other things as well
028	2018-08-11	Building Boat Frames using Traditional Tree-Nails - Rebuilding Tally Ho EP28	selecting, cutting out, marking the bevels of the futtocks and sawing them with the bevel
			laying the futtocks on each other together to see if they fit
			establishing the centre line
			new volunteer Ruben
			loosening the planks
			cutting a second frame (sister frame of the first one)
			a handle to move the bevel of the ship saw manually
			making adjustable sawhorses
			applying red led primer (and some roofing tar where needed) on the futtocks
			clamping the futtocks into a frame
			making treenails (treenails)
			boring the holes for the treenails
			installing a tree nail
			finishing the first frames
			Cecca convinces Leo to take a short brake and go camping
029	2018-08-25	Installing New Oak Frames into a 1910 Wooden Boat - Rebuilding Tally Ho EP29	cutting out the next pair of frames
			Pancho the pencil destroyer
			Cecca learns to drive the forklift
			How to calculate rolling bevels (7:00 to 13:00)
			making templates for the next set of frames
			modified marking gauge
			using a compass plane
			new volunteer Kirt
			makes jigs and other helpful parts to increase the speed of making frames
			Jim, the trucker that brought the live oak delivers the remaining flitches
	1		new volunteer John
			putting in the first frames
			It is now very clear how much the hull has changed shape and the difference at either side
	1		loosening the planks to make room for the frame
			cutting the notch in the keel for the frame
			making a brace to clamp both frames together at two feet above the waterline
	1		marking the place of the centreline on the brace
			new volunteer Courtrand
030	2018-09-02	Surface Power Planing Jig / Framing Tools - Rebuilding Tally Ho EP30	Kirt comes up with a series of great ideas to speed up the work
USU	2010-03-02	Surface Fower Flathing Jig / Flathing Tools - Nebuniung Tany Flo EF30	making the power planing jig
	1	l .	Kirt's dog Diego is also taking part in the fun, befriends Saylor

1	ı	1	la con e con un con
			Construction of an assembling table
			volunteering from Chris and Mike
			Leo gives a round up of the species of wood that are being used in the frames
			and how the frames are assembled: lead primer and no glue, held together by treenails
			Pancho steals the show again
031	2018-09-15	Bedding Wooden Boat Frames / Packing Up Shop! - Rebuilding Tally Ho EP31	Raw cutting frames
			Visit from Youtuber James Wright (Wood by Wright)
			James has the opportunity to use all the gear/jigs
			Wood by Wright TH episode
			Wood by wright making mallets fot TH
			Placing the frames with the aid of a laser at the exact location
			Using a jig to finish the heels of the frame
			Cutting the notch in the keel
			Bedding the notches in the keel
			Servicing the ship saw
			Solving the problem with the uneven table of the ship saw
			Painting the new installed frames with raw linseed oil
			· ·
			Shoring up TH safely before travelling to the UK
022	2018-09-29	The largest new wooden heat in the country! Deplies Dilet Cutter DELLEW/ Hadate /Tally He ED22)	and tidying up the yard
032	2018-09-29	The largest new wooden boat in the country! - Replica Pilot Cutter PELLEW Update (Tally Ho EP32)	Revisit Pellew, chat with Luke Powell
			Luke Powell's hair joke
	2010 10 00		The Falmouth Cutter
033	2018-10-06	Meeting a Master Boatbuilder / 1905 Pilot Cutter - Rebuilding Tally Ho EP33	Rebuild of the 1905 Bristol Pilot Cutter Hetty
			View inside the Pilot boat
			Chat with Chris Rees
			History of Hetty: Pilot Cutter, Cruising yacht, Fishing boat, Cruising Yacht
			How to become a boatbuilder
			The Cremyll ferry
034	2018-10-13	Two AMAZING projects / Old Boats given New Lives	Revisiting Tethra, the restaurant cruise boat
			Blue Rriver Table
			Visit Gweek where Leo rebuild his folkboat
			visits Steve who is making a 110 year old sailboat ready to go on cleaning coastal waters and coasts
			Clean Ocean Sailing
			Possible engine for TH ?
035	2018-10-27	Rebuilding Tally Ho! Back to work!	Back in de USA, Leo gives a tour of the workshop, yard, the boat and the works so far
			Change volunteers that stays longer than a week or so, preferable 6 weeks or so
			Building a next frame
			Cleaning and repairing the shower
			changes in the way the frames are assembled
			first use of the mallets James Wright made
			Announcement of the creation of a new Facebook group "Sampson Boat Co Friends"
			Sampson Boat Co Friends
036	2018-11-10	Developing A Wooden Boat-building Team! –Tally Ho EP36	The tarp of the shed has teared up and gets replaced
030	2010-11-10	Developing 77 **Odden Dode building reams: Tally 110 LF30	Cecca is back
			Likes Saylor the Labrador more than Pancho, Pancho is a bit jealous towards Cecca
			, ,
			Housekeeping job, building a simple (!) set of shelves for the kitchen in a few hours time
			new volunteer Steve
			new frames get installed
			The shed gets an extension above the planing and assemble tables
			Sharpening the planer blades
			Cooking with woodworking tools (a mallet to be precise)
			New volunteer Ben
037	2018-11-24	The Mind of a Boat Builder - Presented by SV Seeker (Tally Ho EP37)	Chat with Dough from SV Seeker, about Leo's life, career, etc

038	2018-12-08	I CHOPPED off the end of my FINGER! - Boatbuilding & Woodwork (TH EP38)	Still more frames are cut out, flattened, planed, bevel cut and assembled
030	2010 12 00	Terior Eb on the end of my mocks boatbanding & woodwork (111 El 30)	At first sight making frames becomes a routine
			The "tea horn" that announces breaks
			Installing a pump in the sawmill pit
			installing the roof above the plaining and assembling tables
			accident: Leo chopped a piece of a finger
			Steve an Ben leave
			finalising and testing the new roof
			New volunteer Brad, comes every week up from Oregon
			the frame braces are secured to the workshop
			The burgee (small flag) next to the ship saw is from the Albert Strange Association
			Albert Strange Association
039	2018-12-23	Replacing more 108-year old Frames / Wooden Boatbuilding (Tally Ho EP39)	Water in the ship saw pit (forgot to activate the pump)
			New volunteer Hunter
			futtocks, futtocks,
			Jig to make the wedges for the treenails
			assemble the futtocks into a frame
			making the temporary top beam (brace) to hold the frames in place on the right position
			installing the first set of intermediate frames
			a gale blows, power cut for 6-8 hours, but the main roof of the shed is fine
			a sensor in the truck malfunctions, and is replaced by Leo himself
			update in the bunkroom; a couch, a little desk, and a world map
			Volunteers can place a pin where they come from on the map
			Friends bought Cecca and Leo a Christmas tree
			Despite that, the work goes, more futtocks that become frames
			placing a frame precisely on the body plan with a jig to transfer the waterlines, etc
			While Leo tries to explain the procedure, Pancho interferes Who is the boss anyway?
			A brand new track saw (from the Amazon wish list)
040	2019-01-05	Buying BIG Centreline Timbers! - Rebuilding Tally Ho EP40	Bought a helical cutter head for the planer
			installs and calibrates the planer
			tests it, much quieter than the traditional rotating blades
			Detailed explanation how the futtocks are fit in to the rest of the frame
			using the track saw to saw a long straight side on the top temporary top beam
			Preparing to construct the stem (the stern follows later)
			changes the construction design to avoid to have to buy extra large pieces of wood
			Heads of to Port Townsend to look at the timbers for the stem and stern (= the centreline)
			On the way to Edensaw drops by the rebuild of the "Western Flyer"
			Western Flyer foundation
			Western Flyer on Youtube
			checks massive pieces of Purple Heart for the construction of the centreline
			The intermediate frames are single sawn frames on the plans
			but in reality most of them were also build as double sawn frames except for the top part
041	2019-01-26	New team new VISA new timber (Roathuilding/Tally Ho FP41)	
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo)
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved Cecca has to leave (visa expires) for the UK
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved Cecca has to leave (visa expires) for the UK New volunteer: Finn Birch a qualified tree surgeon
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved Cecca has to leave (visa expires) for the UK New volunteer: Finn Birch a qualified tree surgeon The return of volunteer Kirt (and Diego, his dog)
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved Cecca has to leave (visa expires) for the UK New volunteer: Finn Birch a qualified tree surgeon The return of volunteer Kirt (and Diego, his dog) New volunteer Nicola
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved Cecca has to leave (visa expires) for the UK New volunteer: Finn Birch a qualified tree surgeon The return of volunteer Kirt (and Diego, his dog) New volunteer Nicola While cutting a futtock they found a bullet (cut in two by the saw)
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved Cecca has to leave (visa expires) for the UK New volunteer: Finn Birch a qualified tree surgeon The return of volunteer Kirt (and Diego, his dog) New volunteer Nicola While cutting a futtock they found a bullet (cut in two by the saw) The timbers for the centreline arrive by truck
041	2019-01-26	New team, new VISA, new timber! (Boatbuilding/Tally Ho EP41)	Continuing to cut futtocks Leaving to Vancouver for an interview to obtain a better visa (for Leo) and have a little holiday for Cecca's birthday, Leo's visa was approved Cecca has to leave (visa expires) for the UK New volunteer: Finn Birch a qualified tree surgeon The return of volunteer Kirt (and Diego, his dog) New volunteer Nicola While cutting a futtock they found a bullet (cut in two by the saw)

42	2019-02-09	Cutting the Stern Post – and some BIG plans! (Rebuilding Tally Ho EP42)	finger update, it is healing well While the crew continues making frames Leo prepares to make the stern assembly
)42	2013-02-03	Cutting the Stern Post - and Some did plans: (Rebuilding Tally no EP42)	Hunter leaves, Kirt seals the planing table
			Nicola leaves, Finn stays longer than planned
			Leo makes the patterns for the stern assembly
			Kirt and Tim (a neighbour) service the ship saw removing some bearing play
			Leo finishes the templates for the Stern assembly and marks the waterlines, station lines, etc
			A local donates 8 high power LED lamps
			Tim installs the lamps around and above TH
			Leo starts flattening the purple heart centrepieces
			Finds a big shake in one of the pieces
			Announcement of a frame raising party, extra volunteers are needed for 2 to 3 weeks
			an idea from Kirt who takes up the task to organise the event
			Leo transfers the template for the sternpost and starts to cut it out with a chainsaw jig
			Later that night, Leo tests (only 2) of the installed LED Lights: lots of light
43	2019-02-23	Big Joinery – Building the Stern Assembly (Tally Ho EP43)	Lots of snow clearing before the flattening of the sternpost cut can start
			Trying a router sled
			Fynn removes the old stern assembly (the transom will be removed much later)
			When the stern assembly is removed, Finn helps out with the cutting of stern assembly parts
			When Leo explains the why and how he adapted the Stern knee, Pancho gets very annoying
			first dry fit of the stern assembly, discovers that the templates have expanded a bit over time
			errors are corrected until everything fits precisely
			Stern assembly is put vertical to check on all sides, it fits perfect
44	2019-03-09	Timber Boat Building - Installing Stern Assembly /EP44	Removing the last remaining hardware from the back part of the hull
			New volunteer Thom
			flattening the after part of the wooden keel
			cutting out the notch for the sternpost
			making the mortice for the sternpost
			new volunteer Arnaud
			The stern knee has to be adapted for the prop shaft and needed a lot of thought because at this
			time one has to decide what engine, what prop will be used, etc
			Dry fit of the stern assembly in the boat
			Refurbished perch for Pancho by Finn
			Thom has made a series of jigs for the production of treenails
			Finn trains the volunteers in making frames
			correcting some pieces so that fit perfectly in the assembly mounted on the keel
			Trip the Port Townsend Shipwrights Co-op to make the bolts for the stern assembly
			Port Townsend Shipwrights Co-op Port Townsend Shipwrights Co-op
45	2019-03-23	Bolting the Stern Timbers - Wood Boat Rebuild (TALLY HO EP45)	Last corrections to the individual parts of the stern assembly, place the felt between all he parts Drilling the holes for the bolts, the longest one is 4 feet long
+3	2013-03-23	Boiting the Stern Himbers - Wood boat Rebuild (TALLT NO EP45)	A visit by Dan McGuire, he brings with him a few presents: Pizza and Tally Ho in a bottle
			Dan McGuire
			Last hole to drill is the pilot hole for the prop shaft, This happens in 4 parts
			The holes are counterbored so that the washers and bolt can be capped with a plug
			bedding all the joints with tar and bolting the complete stern assembly
			making a reamer to widen some of the holes slightly
			A short introduction to the Frame raising party
46	2019-04-07	Frame-Raising Party! (Pt1) / EP46 / Wooden Boatbuilding	introducing team members: Max, Robert, Pat (Adams), Glenda and Bill
			Also in the team, Kirt, Thom, Arnaud, Finn,
			"Mass" producing/installing frames begins
			Leo explains how the team(and the tasks in detail) are organised
			Old frames are removed, prior to installing the new ones, more planks come off also
		I	On average, one frame per day is produced and installed. Six frames are already installed

1	ı	1	to the second of
			Kirt, who had the idea from the frame raising party and organised it, has to return home
			because Diego, his dog is (critically) sick
			It is hard work for everybody, but it is a lot of fun, with practical jokes etc
			and some recreation: a small dinghy which resides in the shop get's cleaned and taken to the bay,
			put into the water and sailed by team members
047	2019-04-27	Finishing the Stern Frames! (TALLY HO EP47)	reintroducing Pancho
			The production/installing of the frames continue
			Maintenance: change the blade of the ship saw
			Leo explains why and how he made pockets in de stern assembly
			The last frame gets constructed and installed
			Leo rounds up the frame raising party and then it is time for a party in the workshop
			and a little regatta
			Several members deliver their verdict: good crew, lots of fun and hard work
			One Leo's remarks while honouring the absent Kirt: Diego, his dog passed away
			The origins of little dinghy remains a mystery: a rumour says that it was a test in laminating
			for the "Spruce Goose" the biggest flying boat that ever existed
			Thom's last "Acorn to Arabella" prank
			Glenda and Bill say goodbye, with lot of fine memories
			Cleaning up the yard with Arnaud and Robert before leaving for the UK
048A	2019-05-18	History of Tally Ho (RORC presentation / Ep.48(Pt1)	Presentation at the "Royal Ocean Racing Club" (RORC) the organiser of the Fastnet Race
046A	2019-03-18	Inistory of fally no (None presentation) Ep.40(Ft1)	RORC
			Fastnet Race
			Introduction by Eddie Warden Owen
0.400	2040 05 25	L. J. C (DODG/TALLYLIO ED 40 DIO)	History of TH and Albert Strange
048B	2019-05-25	Leo's Story (RORC/ TALLY HO EP48-Pt2)	Leo's story
049	2019-06-08	Removing Tally Ho's stem & bow! (EP49)	Holliday with family and friends on a yacht in Turkey
			After the holiday Leo has a small operation on his face
			Leo flies back to TH, Girlfriend Cecca arrives a few days later
			New volunteers Jack and Joe
			They start with making templates for the bow section frames
			Redesign the bow assembly
			Lofting the bow assembly 4 parts, originally there were 3
			The stem is removed
			Springing (opening up) the planks at the bow to make room to remove the bow assembly
			In between the kitchen gets a few improvements: drawers for more (dust free) storage
			They got some new chicks , They get the Cecca treatment, She names them:
			Nina (Simone), Tina (Turner), Joni (Mitchell), Janis (Joplin), Stevie (Nicks) and Dolly (Parton)
050	2019-06-22	Cutting the Bow timbers! - TALLY HO EP50	Making the patterns for the stem/bow assembly
			Problems with the ship saw: part of the moving gear moves in it's bearing
			Cecca wants a stand for a mirror, Leo "whips it up" in no time
			The bow assembly patterns are transferred to the Purple heart timbers and cut out
			One of the parts serves as a lunch/diner table
			Sorting masses of bolts, screws, etc by Jack and Joe, 7 hours later and the end is (not quite) in sight
			3 Different compass planes: a traditional hand plane and two powered ones
			Some of the gear are needing repairs: a chainsaw and a power planer
			Camera accident: blown over by the wind, filter damaged, removing it is not simple
			rods bought to make the bolts for the bow assembly and some of the floor bolts
051	2019-07-06	Assembling the Bow Timbers! (TALLY HO 51)	Removing the transom
			The bearing of the ship saw is temporary repaired with a few shims
			Transferring the lines onto the bow assembly parts
			The mast step needs some pockets cut out so that the already installed frames could slot into
1	l		
			I New volunteer Renaud
			New volunteer Renaud The mast step is dry fitted and trimmed where necessary

1	ı		
			The young chickens are transferred to the chicken coop
			Dry fit of the complete bow assembly
			New volunteer Rowan
			The bow assembly is ready to be fitted (there is only a graving piece to be fitted)
052	2019-07-20	Replacing the bow on a vintage wooden boat / Rebuilding Tally Ho EP52	repairing a shake with a graving piece
			Meanwhile Rowan and Renaud start processing old planks
			The frames of the centre section are getting screwed into the keel
			Cutting slots into the scarph joints and made wedges the fit into these slots
			Fitting the bow assembly with felt between the parts
			At last Pancho befriends Cecca
			When the bow section is dry fitted for the last time, a measurement is taken between
			the front of the stem and the back of the sternpost, The same measurement on the lofting
			floor and gives a difference of less than an eight of an inch (less than 3,2 mm)
			Drilling the holes for the bolts in the bow assembly
			Counterboring the holes in the bow assembly
			The bow assembly is taken apart, a layer of tar is applied and piece by piece installed
			and when possible bolted immediately. Finally the bow assembly is finished,
053	2019-08-03	Rebuilding Tally Ho - Frame-Raising 2.0 (meeting the crew!) EP53	Some of the crew are returning for this frame raising party.
055	2013 00 03	Resulting faily no Traine Raising 2.0 (Recting the crews) Er 35	Leo gets help from a friend videographer
			New futtocks are cut, to explain the team members how the processes work
			Treenails are mass produced
			Team members are Rowan, Finn, Pat (Adams), Jordan, Joe, Nadine, Julian, Matthew
			ASA has set up a crowdfunding page for Finn's travel expenses
			The first frames are installed, speed is slow but will pick up
	2012 20 17		Briefing at the end of the first week, it started slow but speeded up considerably
054	2019-08-17	The Life of a Futtock! Reframing 1910 yacht (Tally HO EP54)	1-Templating
			2-Rough cutting
			3-Planing and ticknessing
			Interlude: Cecca discovers that one of the chickens, Janis is a boy (Rooster)
			Cecca has to leave mid Frame raising party
			4-Marking the futtocks
			5-Bevel cutting
			6-Assembling
			Interlude Nadine makes and serves a meal
			7-Cleaning up and marking the waterlines
			8-Installing
			Cutting the heel of the frame
			Trimming the heel and establishing the geometry of the frame
			Dry fit the frame
			Mark and cut the pocket in the keel
			Drilling the holes for the screws that hold the heel of the frame in their place
			Applying Red Lead paint and Dolphinite mixed with pine tar
			Securing the frame in it's place
055	2019-09-07	Finished Framing! / Planking Timber (TALLY HO EP55)	Cutting the last frame it has extreme bevels
			Leo is working out the "fashion piece", it's the frame that holds the transom in it's place
			Running out of useable wood
			Trip to Port Townsend for extra live oak
			Mark up those pieces and raw cut them out
			Those slabs are to thick, they have to be resawn to fit the rest of pieces
			Time for a break, the whole team goes sailing on the schooner Martha
			The Schooner Martha foundation
İ			The fashion pieces are assembled and will be installed after the frame raising party ends
l	l	I	As in the first frame raising party a regatta in small boats is organised

			Leo ordered a lot of timber from a mill in Suriname, that timber arrives at Edensaw in a container
			It contains "Wana" (for the planking), internal carpentry and cabinetry
			"Angelique" for the stringers, beamshelves (Clamps), sheer strake and the broads
			Edensaw helps with the unloading of the timber which Leo didn't buy trough them
			To say thanks, Leo makes a donation for the Edensaw Cancer foundation
			Edensaw Cancer Foundation
			Edensaw also helps with putting the wood in a kiln
			The kiln is build within a container, but thanks to the isolation, the kiln is to short
			Finn came up with a god idea: build an isolated extension to the kiln
			Back at TH the last frame is dry fitted,
			"Shut up Janis !"
			The last frame is installed, the whole crew is present
			For the first time, you can see the completed set of frames in one go
			The crew evaluates the working party, good memories everywhere
			Finn has bought a boat, is setting up a Youtube channel!
			KnotFINNishedYet
056	2019-09-21	56. Roughing out the stem / Timber decisions	check if the centreline is plum, level and true, put more props in to make it impossible to move
050	2013 03 21	56. Houghing out the stelling million decisions	sourcing the timber for the deck beams
			marking the rabbet on the stem, keel and stern
			Marking the cutwater
			bringing the stem to it's exact width
			The turnbuckle that hold stem and stern in place failed and is replaced by something stronger
			cutting half an inch deep on the rabbet line
			marking and shaping the stem (cutwater) Pancho knows the where the camera is and is loves being in the picture
057	2019-10-06	WOODEN BOAT REBUILD - Shaping the Cutwater / More Timber! (EP57)	Continuing cutting the stem (shaping the cutwater)
037	2019-10-00	WOODEN BOAT REBUILD - Shaping the Cutwater / More Himber (EPS7)	Planing the cutwater to the lines
			Trip to Bellingham to look at a boat who's deck beams are made from Oregon oak
			Schooner Zodiac
			Checking is the use of "green" Oregon oak has splits, shakes after recent deck beam replacements
			Roughing out the rabbet on the port side
			Making a cart to transport very long pieces of timber
			Pete and Cody, neighbours, come to help unload part of the timber that was drying in the kiln
058	2019-10-19	Ship of Theseus / Project Recap! (EP58)	Angelique for the stringers and beamshelf and the timber that didn't fit in the kiln
058	2019-10-19	Stilp of Theseus / Project Recap: (EP38)	Short review in pictures of the project so far
050	2010 11 02	Charitantha Mart / Adam and /EDEO)	while Leo poses the question "Is Tally Ho still Tally Ho" and gives his ideas about it
059	2019-11-02	Shaping the Keel / Adze work (EP59)	Roughing out the rabbet on the starboard side
			Before shaping the keel timber, Leo has to loft in the keel timber
			Drilling small holes to the exact depth to establish the definitive form of the keel at each station
			Cecca is back and jumps in on coating the blank wood with boat soup
			Leo explains the whole process in detail
			He tries out a lipped adze, a traditional shipbuilders tool
			Leo makes a little bookstand for his hosts
			He installs a small piece of Purpleheart to fill a small void between the stem and the forefoot
			Another small piece of Purpleheart is glued in a void where keel and forefoot meet
050	2010 11 15	DOATDINI DING / Coming Champage / Codding D. L. (1990)	and becomes a part of the rabbet
060	2019-11-16	BOATBUILDING / Carving Sternpost / Cutting Rabbet (EP60)	Continues shaping the keel timber, cutting the rabbet
			Rowan comes back for a week, he has been busy with building a "land yacht"
			Cecca sharps her knives on the Tomek
			Starting the cut of the stern assembly with a chainsaw
			then smoothing the shape of the sternpost/assembly with a power plane
			Using a batten to draw the rabbet on keel
			Starts cutting the rabbet

	1	1	
			Hilarious plug for Leo's Facebook and Instagram pages by Cecca
			Draws and cuts the rabbet on the sternpost
061	2019-12-01	Installing the Fashion Pieces (Rebuilding Tally Ho EP61)	Rowan starts with fairing the bottom of the frames on the inside
			in preparation for making the templates for the cast bronze floors
			Leo is cleaning up the fashion pieces
			Clamping a beam onto the sternpost to align the fashion pieces with the sternpost
			A notch will be cut into the sternpost to hold the heel of the fashion pieces
			Mistake ? Leo drilled a shallow hole outside the pocket
			Rowan has to leave, regrets it
			Rowan's Youtube channel
			One of the fashion pieces fell of the boat when Leo was away,
			It broke one of the treenails and that has to be repaired
			At last the fashion pieces are installed
			Leo attaches battens outside the hull at the line that will hold the stringers to check for fairness
			He has to work out a solution how to bring the stringers into the hull
			Cecca helps out with dismantling the frame that held the tarps that protected the table
			of the ship saw
			Next task is to install some big beams (beamshelves and bilge stringers) to connect the frames
	1		to each other, The beamshelf not only connects the frames but will support the deck beams
			Leo clamps a few battens the check the frames for fairness
			Some frames must be adjusted slightly to their exact position
062	2010 12 21	Death vilding Marking Dears Challes (Tally 11- EDC2)	Pancho (again) takes possession of the boat, she loves the camera
062	2019-12-21	Boatbuilding - Making Beam Shelves (Tally Ho EP62)	Before installing the beamshelves and bilge stringers the frames must be faired and
			doublecheck the position of the frames and move them when necessary
			Inspecting the Angelique beams before scarping them together
			After selecting 4 beams Leo starts to draw and cut the scarph joints
			Performing a bend test to see how far these beams can take
			scribing the second part of the beamshelves
			Cecca let the chickens walk of the beams
			cutting both scarphs and shaving them so they fit exactly their counterpart
			Dry fitting the beams
			Bolting and shaving the beams have to wait, because Cecca and Leo leave for the Holidays
063	2020-01-05	Milling White Oak Timber in New England (EP63)	Leo and Cecca travel to New York for Christmas and go house sitting for friends
			While there he is hopefully going to mill white oak in Connecticut for the deck beams
			As always Pancho steals the attention by giving a of her shows
			After arriving in New York Leo travels to Connecticut to visit New England Naval Timbers
			New England Naval Timbers
			Duke explains that he lets the tree season for 2 to years he can see what the it is going to do
			On the property is cabin dedicated to author Henry Thoreau
			Leo has marked a series of logs and will go back to see them rough cut
			Leo and Cecca enjoy Christmas in New York
			Leo and Cecca are invited to visit the towboat company Mc Allister
	1		and go for a trip with one of the ships, Leo even board the containership that has to be towed
	1		Off course the engine room gets a visit
			On top of the Empire State building
	1		Leo returns to Connecticut to oversee the milling of the logs
			Leo feels that this is the only place he could find timbers close to the original plans of TH
	1		
			and seasoned enough to put in the boat pretty soon
	1		The challenge now is, how to move that timber across the country to Sequim
064	2020 04 45	WTALLY LIGHT first course 200 and attenue working (EDCA)	Leo and Cecca return to the UK, to visit family and friends
064	2020-01-18	"TALLY HO's first voyage?" - and other questions (EP64)	Q&A from the UK
	2000 00 5-		
065	2020-02-08	The Pilot Cutter PELLEW (EP65)	While in the UK, Leo revisits Pellew, nearly ready to be launched

1	I	1	Dellaw level of the first and the 2000 this vides is from a count 2000 willing
			Pellew launched on february 29 th 2020, this video is from august 2020, sailing
			Pellew is 68 ft long, 18 ft beam, 10 ft draft, weighs 74 tons, mainsail 1400 square ft, rig about 80 ft
			length over all 90 ft, oak on oak, bronze fastened, lead ballast
			Quite a big and revealing interview with Luke Powell
			Working sail
			The Falmouth Cutter Pellew
066	2020-02-22	East Coast Oak and a Pink Fireman (EP66)	Leo and Cecca return to the yard, a lot of clean-up and reinstalling the yard has to be done
			First task: finish the beamshelves, shaving to their definitive form and fastening
			He can't find the bronze bolts that he needs, but finds a old treading machine
			It is in need of a lot of cleaning and other work to get it going
			Leo get it working and thread the needed bolts to fasten the beamshelves
			The blades of new Makita power planer can be re sharpened
			The auger he will use to drill the holes for the scarph has a screw on he tip
			on hard wood that pulls the auger to fast. The screw has to be removed
			A retired firefighter, Marchall Moneymaker has contacted Leo to transport the white oak
			from Connecticut to Sequim. He runs a cancer support charity "For 3 Sisters"
			For 3 Sisters
			Cross country trip hauling white oak timber for Sampson Boat Co. and the Tally Ho. part 1
			There are other TH related videos on Marchall's channel, but no part 2
067	2020-03-08	BoatBuilding - Installing Beamshelves / BIG plans! (EP67)	Leo is finishing the beamshelves Leo tests how far one can twist the beams.
			They have to twist about 25° between stern and midships
			Marshall stays for a few days and takes it upon himself to service the pipe threading machine
			When the machine was taken apart he found out that a part was broken
			Leo contacted Keith Rucker (another youtuber) and sends him the broken parts
			Removing Bronze Bushings & Brazing a Broken Casting for Leo at Sampson Boat Co.
			Turning Bronze Bushings and Pressing them in Place: Casting Repair for Leo at Sampson Boat Company
			For some time Leo tried to find a buyer for a Star sailboat and also tried to find a return load
			to the east coast for Marshall. The star is sold to somebody from Michigan
			and Marshall does the transport,
			Back to boatworks. Leo is going to try to lift the beamshelves into the boat
			After a good days work, the beamshelves are in
			rechecking and marking the sheer line on both sides of the hull
			Because the beamshelf sits under the sheer mark (They carry the deck beams on top)
			Leo marks on each frame where the beamshelf has to sit
			He give the beamshelves a slight curve on the outside (to fit into the curved frames
			Fairs the frames where the beamshelves have to sit
			Mocks up with some thin timbers, so that he can exactly work out where the scarphs
			have to land on the frames and cut the angle on beamshelves where the meet at the bow
			He bends with a tackle the beamshelves one by one in their place and secures them with clamps
			When both beamshelves are set, he can clamp them together so that the first frames in the bow
			are not pushed open, further aft he as to pull the beamshelves out.
			He also has to cut away a small piece on the top of the shelves so that they meet on the centreline
			Announcement the Leo is looking for a (payed) shipwright to speed things up
068	2020-03-21	BoatBuilding - Bending Beams / Pipe-threader Repair (EP68)	Trying (and succeeding) to push the beam shelves apart further aft with an hydraulic ram
			Putting the stern part of the beamshelves in place and twisting them
			Leo receives the box with the pipe threader back from Keith Rucker
			reinstalls the threader and runs a test.
			It runs ok, but there is slippage in the chuck.
			After sharpening the teeth of the dyes , there is no slippage anymore
			and delivers perfect threads, Leo bolts the front of the beamshelves together
			After that he works out a system to make bolts with heads to fix the beamshelves to all frames
			He makes a jig to hammer the heads on the bolts and with some heath it works fine
1			He does not have a 3/8 dye to cut the threads onto the bolts
1	•	1	1

	I	I	And makes a threader with a regular dye
			Leo found a shipwright and he starts within a week
069	2020-04-04	BoatBuilding - Making Deck Beams / Hiring another Shipwright! (EP69)	Continuing to make the bolts for the beamshelves, about a 100 are needed
003	2020-04-04	Boardunding - Making Deck Beams / Thirting another Shipwinght: (LF03)	New volunteer Patrick Kingshill, he starts out with threading bolts
			Cecca also threads bolts
			Enter the new shipwright: Pete Stein. Pete worked at the Western Flyer project for a long time
			First task: build a staircase to enter the boat
			Pete and Leo have been busy to set up everything to bolt the beamshelves to the frames
			The holes for the bolts are drilled and counter drilled at the outside
			Leo starts to make the deck beam, explains what the constant camber is
			and how to make a template for it
			Leo select the flitches for the deck beams
			The chickens and Pancho want their say in the procedure
			The deck beams are raw cut
			The beamshelves are bolted to the frames
			The raw cut deck beams are flattened and planed, Leo begins to mark the beams in their final shape
			Thee beams are cut with the ship saw in their final shape
			Leo adjusts and marks the sheer batten and check it for fairness
			Before fastening the beamshelves the frames are put precise on their station
			The outside of the frames are checked for imperfections and plugged
			Cecca thinks that nobody knows her
			A first deck beam is presented at the spot where it will sit
070	2020-04-18	BoatBuilding - Fitting Deck Beams! (Tally Ho EP70)	Leo explains the function of half dovetails
			Meanwhile Patrick shaves and sands the deck beams to their final form
			Pete is raw cutting the half beams and the carlings
			Cecca is at it again in her particular funny way to promote the YTchannel
			Leo explains the different type of beams in the deck structure
			Leo explains that he uses two sources to make and place de deck structure:
			the plans and his own documentation of measurements and photo's
			The shipwrights who build TH followed the plans but not everywhere
			The forward companionway is built further aft than the plans and why they did it
			Patrick gets his hands on cutting the dovetails and notches as well
071	2020-05-02	BoatBuilding - Building the Deck Structure! (EP71)	Continuing with making and installing deck beams, cutting the pockets for the carlings
			Start of a running joke "Pete, what are you doing"
			Patrick is sanding but has his hands on the original butterfly hatch by cleaning it up
			Beautiful teak is visible again
			Cecca gives the keel a layer of "boat soup"
			Patrick fairs the bottom of the frames so that they can take the floors,
			They will be cast in bronze, but they have to make templates first
			Leo explains why bronze floors
			and explains how they make templates
			Cecca shows (one of) her craft(s): making jewellery
			Pete introduces his dog Backtrack
			After the full beams are finished they make the carlings the half beams
			and cut the pockets for he half beams in beam shelve and carlings
			As always, supervisor Pancho check if the work is of the highest quality
			There is an issue, a deck beam has a discoloration and when Leo cut the dovetail a vinegary
			smell was noticeable. Some time before Leo made a tool handle for a friend and
			that handle has broken, which isn't normal, Some research point to a bacteria in the wood
			that handle has broken, which isn't normal, Some research point to a bacteria in the wood Leo replaces the beam with one that hasn't any discoloration
			that handle has broken, which isn't normal, Some research point to a bacteria in the wood Leo replaces the beam with one that hasn't any discoloration The dry fit of the deck structure is nearly finished, but why is the forward hatch not in the centre
072	2020-05-16	BoatBuilding - Bilge Stringers / Oak problems! (EP72)	that handle has broken, which isn't normal, Some research point to a bacteria in the wood Leo replaces the beam with one that hasn't any discoloration

		1	
			The planks are stacked in the yard. A box with ventilators is build around it
			The goal, drying the wood slowly further
			Problem, one log seems to be not white oak, Leo demonstrates what it does, it sucks water up
			As a result 18 half beams and one full beam have be replaced
			Pete (and Patrick) have started to make the stringers
			Cecca had to leave
			The crew starts to make the replacement beam
			The inside of the hull is faired to be ready for receiving the stringers
			The scarphs of the stringers are made and dry fitted, drilled and bolted
			"What are you doing Pete ?"
			, ,
			cutting the dovetails in the replacement beams
			Patrick has learned a lot of boat terminology and demonstrates it
			He is now qualified from "Leo's dodgy boat school"
			Once all the faulty deck beams are replaced, the crew attempts to bring the stringer inside the hull
			Once in the hull the parts of the bilge stringers are bolted together
			and dry fitted on their line
1			Patrick's time is up and has to leave
			The bilge stringers are in and can be bolted to the frames
073	2020-05-30	BoatBuilding - Finishing the Deck Structure! (EP73)	New volunteer Clark
1			Pete fastens the bilge stringers to the frames
			Clark hammers heads on bolts
			Leo corrects the bend in the carlings
			When all the deck beams are predrilled, the whole deck structure is taken down
			Leo can now chop of the tops of the frames
			The top of the frames are cut with an angle so that penetrating water can flow away
			avoiding rot
			"What's going on Pete ?" chamfering a bevel into the bottom of the beams
			"What you are up to Clark?" Sanding, wiping it down and take them in the workshop
			The beams get a few coats of sealer and the dovetails are painted with red lead primer
			The beam shelves also get a few coats of sealer and the joints a coat of red lead primer
			The deck structure is put in it's place and bolted to the beamshelves
			Carlings and half beams are screwed in
			Now all the cross boards can be taken out
			and for the first time full view of the inside of the hull is revealed
074	2020-06-13	Post-Duilding Post-sing the Transam (FD74)	The project is now completely funded by donations, patreon etc
074	2020-06-13	BoatBuilding - Restoring the Transom (EP74)	finishing the deck structure and routing a bead at the bottom of the beam shelves
			Leo starts working on the transom, he starts with parts of the original transom.
			Only the bottom half of the original transom survived and is made of teak and Leo want to reuse it
			He starts with cleaning up the boards, removing all sorts of things, shaving them
			and revealing beautiful wood underneath all the crap
			To repair all the holes he uses small parts of the original teak planking
			Only the two bottom boards remain and he has to source some other teak boards
			Visits Norm, who is an interesting character, 82 years old but very active
			Leo comes home with enough new "old" teak boards
			Clark checks the small cutters on the planer and changes them if they are blunt
1			Leo want to varnish the transom and therefor he cannot use caulking. He uses splines
1			The fashion piece and the stringers are faired in
			The teak boards are dry fitted and drilled and counterbored to hide the screws behind a plug
075	2020-06-27	BoatBuilding - Casting Bronze Floors (EP75)	The floors (brackets that hold the frames and the keel together)
1			They will be cast out of bronze. To do that they have to make patterns
1			"Pete what you're doing ?"
1			Pete explains the whole process
			Leo explains why he chose bronze
i	•	1	· ' '

PAI Administratives (vivix a manifest of both former printing particip) (as an air Pot to vivial Consensed (purple) (but and Pot to vivial Consensed (purple	1	ı	I	
Peter Langely to more of the foundry explains the process of bronze casting After some problems with the more of the foundry explains the process of bronze casting After some problems with the more of the foundry explains the process of bronze casting After some problems with the more day. The control of				, , , , , , , , , , , , , , , , , , , ,
Pete Langley the owner of the foundry opplaise the process of bronze casting After compression the monitor of the principle of the process of bronze casting After compression the monitor of the process of bronze casting After compression the monitor of the process of the proc				· · · · · · · · · · · · · · · · · · ·
After some perspeture, which the process in metal and parcent The second mouth is seccessful and related to be power while the first floor code down The second mouth is seccessful and related to be power while the first floor code down The second mouth is seccessful and related to be power while the first floor code down The second mouth is seccessful and related to be power while the first floor code down The second mouth is seccessful and related to be power while the first floor code down After some channing up the first floor chool boundful Adv just power from the first floor chool boundful Adv just power serviced, prough to the year and Clark starts to grind them down until they first the the full Clark even polities better, there will be a lot of being in the bilges (and the service which the transport till provided the service of the floors in the fourth of the service o				Port Townsend Foundry
The function is spirited, the bronze is melleted and paused. The successful and ready to be poured while the first floor cools down The function is spirited, the bronze is neithed and poured. The function is successful and ready to be poured while the first floor cools down The function is successful and ready to be poured while the first floor cools down The function is successful and poured. The function is successful and poured. The function is successful and poured in the mount of the function of				Pete Langley the owner of the foundry explains the process of bronze casting
The securacy has been accounted while the first floor goods down The furnace is injurishing the transes in solid and poured The first floor has cooled enough and is removed from the moutal After tome Cell and the province of the pour of the foot of the Chapter of the foot				After some problems with the mould with a floor in ready to be cast
The furnace is ignited, the borors is melliod and poured The first food code enough and is removed from the moutal After some cleaning up the first foor look beautiful A day lare for food code enough and is removed from the moutal After some cleaning up the first foor look beautiful A day lare for food are retrieved. Drought to the yard and Clark starts to grind shem down until they first not the hall Curia vera prolifects before, there will be a flort of hings in the higher Curia vera prolifects before, there will be a flort of hings in the higher Curia vera prolifects before, there will be a flort of hings in the higher Curia vera prolifects before, there will be a flort of hings in the higher After the higher of the h				The furnace is ignited , the bronze is melted and poured
The first floor has cooled enough and is removed from the mould After some took beautiful. A day later both floors color beautiful. A day later both floors are retrieved, brought to the yeard and Clark starts to grind them down until they first floor the floors are retrieved, brought to the year and Clark starts to grind them down until they first floor the floors are retrieved, brought to the year and clark on the part of				The second mould is successful and ready to be poured while the first floor cools down
After some cleaning up the first floor look be satisful And ye large first floor look per and clark starts to grind them down until they first not be the first floor look be satisful Clark even polithes them, there will be a lot of bling in the bilges Loo continues with the transmom starts and endeding. It is continued to the first floor look part and bedding. It is continued to the satisful precises only reciled and primary and the satisful precises. It is a satisful primary and bedding. It is continued to the satisful precises. It is a satisful primary and bedding. It is a satisful primary and first primary and bedding. It is a satisful primary and first primary and bedding. It is a satisful primary and first primary and bedding. It is a satisful primary and first primary and bedding. It is a satisful primary and first primary a				The furnace is ignited , the bronze is melted and poured
A day later both floors are retrieved, brought to the yord and Clark starts to grind them down untit by first to the hull clark even potishes them, there will be a lot of bling in the bigges 1.00 2000-07-11 2000-07-12 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-25 2000-07-26 2				The first floor has cooled enough and is removed from the mould
until they fit into the hull Catal even polithiss them, there will be a lot of billing in the bilges 076 2020 07-11 Boutbuildings_Enishing the Transom (FP70) Les continues with the transom, taking it all apart, still plugging plots, sanding, etc Asking the transom value the transom with the stempost The splinner from only red lead primer and bedding, the splinner only red lead primer and bedding, the splinner only red lead primer Bornow boths get a hammarise head O'to go the far though plots of the transom is boldete permanently on the stempost, and screed to the farbility places are all depression pressed, filled with a strand of caulking cotton After drilling the transpire the red the farbility places are all depression pressed, filled with a strand of caulking cotton After drilling the transpire the farbility places are all depression pressed, filled with a strand of caulking cotton After drilling the transpire the farbility places are all depression in the form of the stranger of the farbility places are all depression in the form of the stranger of the farbility places are all depression in the form of the stranger of the farbility places are all depression in the form of the stranger of the stranger of the farbility places are all depression in the Port Transmired formaty After some initial problems, casting happens much faster When all the bolts and screws and farbility of the bolts and screws and frainty the bolts and screws and resident of the stranger of t				After some cleaning up the first floor look beautiful
Cac're even polishes them, there will be a lot of billing in the bilges (co continue with the transmor with the starsmort whith the starsmort with the starsmort whith the starsmort of the spines only red lead primer and bedding. the spines only red lead primer are starsmort or the spines only red lead primer and bedding. the spines only red lead primer are starsmort or the spines only red lead primer and bedding the spines only red lead primer are starsmort or the spines only red lead primer are starsmort or the spines of the				A day later both floors are retrieved, brought to the yard and Clark starts to grind them down
Leo continues with the transcom, taking it all aparts, still placinging holes, sanding, etc Asking the holist to connect the transcom with the tempost Asking the holist to connect the transcom with the sempost The stempost and fashion pieces get a cost of red lead primer and bedding, the spins only red lead primer Bronze bolts get a harmment hoad On top of that the text boards get small depression pressed, filled with a strand of causing control After offiling the through holes the transcom it bolted permanenty on the stempost, and Accessed to the fashion pieces get a cost of red lead primer and bedding, After some intention of the stempost o				until they fit into the hull
Leo continues with the transcom, taking it all aparts, still placinging holes, sanding, etc Asking the holist to connect the transcom with the tempost Asking the holist to connect the transcom with the sempost The stempost and fashion pieces get a cost of red lead primer and bedding, the spins only red lead primer Bronze bolts get a harmment hoad On top of that the text boards get small depression pressed, filled with a strand of causing control After offiling the through holes the transcom it bolted permanenty on the stempost, and Accessed to the fashion pieces get a cost of red lead primer and bedding, After some intention of the stempost o				Clark even polishes them, there will be a lot of bling in the bilges
Making the bolls to connect the transon with the sternpost The sternpost and fashing belieses get a cost of red lead primer and patholing, the splines only red lead primer Bronze boots get a hammener head On top of that the teak boards get small depression pressed, filled with a strand of caulking cotton After drilling the through break the transons in botted permanently on the stempost, and screwed to the fashion pieces Meanwhile Pete is cotting and draining the rabbet Loo shows how he depresses the gain on the boards with a ball peen hammer Pat is been working on the floors in the Post Townsend cloundry After some initial problems, casting happens much faster When it has boots and screws are fastered, focus in the Post Townsend cloundry After some initial problems, casting happens much faster When the boots and screws are fastered, focus in the Post Townsend cloundry After some initial problems, casting happens much faster When the boots and screws are fastered, focus in the post of the paths faster When the boots and screws are fastered, focus in the path faster When the boots and screws are fastered, focus in the path faster When the boots and screws are fastered, focus in the path faster When the boots and screws are fastered, focus in the path faster When the boots and screws are fastered, focus in faster the paths faster When the boots and screws are fastered, focus in faster the paths faster Uses it cutting and grinding the completed transom down to definite form Wise its foot and principles after farmes of the connection faster the paths faster Uses its cutting and grinding the completed transom down to definite form Wise its foot and principles after farmes of the connection faster than the path faster the path faster the path faster than the path faster	076	2020-07-11	BoatBuilding - Finishing the Transom (EP76)	
The stempost and fashion pieces get a coat of red lead primer and bedding, the spiles only red lead primer and bedding. The pieces of the piec				
the spiles only red lead primer Bronze bolts get a hammered head On top of that the teak boards get small depression pressed, filled with a strand of caulking cotton After diffulling the through holes the transom is bolted permanently on the sterrpost, and screwed to the fashion pieces Maenwhile Pete is suffix and right and raining the rabbet Lea shows how he depresses the gain on the boards with a ball peen hammer Pat is been working on the floors in the Prot Townsend foundry After some initial problems, casting happens much faster When all the bolts and acrews are fastened, Lea glues in plugs to hide the holes Meanwhile Calks keeps girding the floors suffit they fit and gives a polished shine, more bling What a Pete doing? Pating the floares so that they fit and gives a polished shine, more bling What a Pete doing? Pating the floares so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and graining the completed transom down to its definite form Wijes it down and applies a few costs of varish Will a for bronze floors of yffitted, Pancho can triw sait to impect them In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is planed to the out on twat to impect them In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is planed to the top of the comment section Casting of the floors continues by Piec, Pat and Pat's son At the year Bonny Adams, Pat's write is grinding and oploishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo cliects all the working and applicating the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo cliects all the working and oploishing and applicating the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo cliects all the working and applicating and polishing the floors She is high school manufacturing teacher, she teaches				· · · · · · · · · · · · · · · · · · ·
Sence bols get a hammered head On top of that the teak boards get small depression pressed, filled with a strand of caulking cotton After drilling the through holes the transom is bolted permanently on the stempost, and screwed to the fisathion pieces Meanwhile Pete is cutting and fairing the rabbet Leas hows how he depresses the gain on the boards with a ball peen hammer Pa's is been working on the floors in the Port Townsend foundry After some initial problems, casting happens much faster When all the bolts and screws are fastened, Leo glues in plugs to hide the holes Meanwhile Cank keeps grinding the floors until the yft and gives a polished shine, more bling What is Pete doing ? Fairing the frames so they can line and mount the planks later Pancho versees all the wors of course Leo is cutting and grinding the completed transom down to its definite form Whe is down and applies a few coast of vranish With 3 of bronze floors dry fitted, Pancho can't wait to inspect them O77 2020-07-25 Basic Boatbuilding Terminology (Tally Ho EP77) In his episode, lead wes deep in the terminology of boatbuilding a detailed ist of the terms is pinned to the top of the comment section Casting of the floors continues by Peter, Pan and Pat's so no At the yard Bormy Adams, Pat's write is grinding and polishing the floors She is a high school continues by Peter, Pan and Pat's so no At the yard Bormy Adams, Pat's write is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, wedding, etc Leo collects all the wrought noto knees Africant and the properties of the floors Wholey the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns for the knees continues When the part of the floors of the floor of the hone Walking patterns for the knees continues When the part of the floor of human strings when he says that he is building a massion for Pancho but explains in detail what the goal of the fairing is Leo collects and the work of the comment of the t				
On top of that the teak boards get small depression pressed, filled with a strand of caulking cotton After crilling the through holes the transom is boiled permanently on the stempost, and screwed to the fashion pieces Meanwhile Pete is cutting and faring the raibset Los shows how he depresses the gain on the boards with a ball peen harmer Pat is been working on the floors in the Port Townsend foundry After some initial problems, casting happens much faster When all the boils and screws are fastened, Leo glues in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fit and gives a polished shine, more bling What is Pete dois and screws are fastened, Leo glues in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fit and gives a polished shine, more bling What is Pete doing? Falling the Frames so they can line and mount the planks later Pancho overseas all the work of course Los is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coats of varnish With 3 of bronze floors of yffletch. Pancho can't wait to inspect them Office the provision of the planks of the pl				
After drilling the through holes the transom is bolted permanently on the sternpost, and screwed to the fashion pieces Meanwhile Pete is cutting and fairing the rabbet. Les shows how he depresses the gain on the boards with a hall peen hammer Pa is been working on the floors in the Post Townsend foundry After some initial problems, casting happens much flatter. When all the bolts and screws are fastened, Lea gluss in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fit and gives a polished shine, more bling What is Pete doing? Fairing the floors until they fit and gives a polished shine, more bling What is Pete doing? Fairing the floors until they fit and gives a polished shine, more bling What is Pete doing? Fairing the floors will then the plants later Pancho overseas all the work of course Leve is cutting and grinding the completed transom down to its definite form Wipes it down and applies a flew costs of varieth with a lot prome floors only titled, Pancho can't wait to inspect them O77 2020-07-25 Basic Boatbuilding Terminology (Taily Ho EP77) In this epsode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is prince to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Boanny Adams, Pat's the is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc. Leo collects all the wrought from Knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees and an anamounces that next week a new apprentice will join the crew This episode is dedicated to Dan McCulier who visited TH (episode 45) who passed away Oan McCulier who wisted TH (episode 45) who passed away Oan McCulier who wisted TH (episode 45) who passed away Oan McCulier who wisted TH (episode 45) w				
screwed to the fashion pieces Meanwhile Peel is cutting and fairing the rabbet Leo shows how he depresses the gain on the boards with a ball peen hammer Pat is been working on the floors in the Port Townsend foundry After some initial problems, casting happets much faster When all the boits and screws are fastered, Leo glues in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fit and gives a polished shine, more bling What is Pete doing ? Fairing the frames so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and grinding the compileted transom down to its definite form Wipse it down and applies a few coats of varianth With 3 of bronze floors dry fitted, Pancho can't wait to inspect them In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, et Leo collects all the wrought iron knees Although the liness continues to grind and fit the floors into the hull Making patterns for the knees are in a reasonable condition leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhille Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the grind and fit the floors into the hull Making patterns for the knees continues Pete continues the grind and fit the floors into the hull Making patterns for the knees continues Pete continues the grind and fit the floors into the hull Making patterns for the knees continues Pete continues to grind and fit the floors into the hul				
Meanwhile Pete is cutting and fairing the rabbet. Los Shows how he depresses the gain on the boards with a ball peen hammer Pat is been working on the floors in the Port Townsend foundry After some initial problems, casting happens much faster When all the botts and screws are fastened, Lee glues in plugs to hide the holes Meanwhile Clark keeps griding the floors until the pfi and gives a polished shine, more bling What is Pete doing? Fairing the frames so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Whes it down and applies a few cost of variable What 3 of townsel house by direct, Pancho can't wait to inspect them In this episode, Leo dives deep in the terminology of boatbuilding a detailed its of the termis spin ment to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son Aft the yard Bonny Adams, Pat's wife is griding and solishing the floors She is a high school manufacturing teacher, she teaches metal, welding, et Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His Illarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuirg Dan McGuirg is set up for reaster, access to the higher parts of the hull Som estaging is set up for reaster, access to the higher parts of the kines The staircase is move of it, Backtrack (Pete's dog) immediately decides that is his rest spot Some estaging is set up for rea				
Leo shows how he depresses the gain on the boards with a ball peen hammer Pat is been working on the floors in the Port Townsend foundry After some initial problems, casting happens much fiater When all the bolts and screws are fastened, Leo glues in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fit and glees a polished shine, more bling What is Pete doing if airing the frames so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coats of varnish With 3 of bronze floors dry fitted, Pancho can't wait to inspect them 1077 2020-07-25 Basic Boatbuilding Terminology (Tally Ho EP77) In this esploade, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Part and Part's son At the yard Bonny Adams, Par's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought fron knees Although the knees are in a reasonable condition toe decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames Is hillancious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This epsode is dedicated to Dan McCuire who visited I'l (epicade 45) who passed away 20a McGuire 1078 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtra				· · · · · · · · · · · · · · · · · · ·
Pat is been working on the floors in the Port Townsend foundry After some initial proteins, casting happens much faster When all the bolts and screws are fastened, Leo glues in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fit and gives a polished shine, more bling What is Pete doing? Faining the frames to they can line and mount the plants later Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coats of varnish With 3 of bronze floors of yr fitted, Pancho can't wait to inspect them 1 this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is printed to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the kness are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhille Clark continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues the fainting of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho				· · ·
After some initial problems, casting happens much faster When all the bolts and screws are fastened, Leo glues in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fit and gives a polished shine, more bling What is Pete doing? Fairing the frames so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coast of varnish With a of bronze floors dry fitted, Pancho can't wait to inspect them O77 2020-07-25 Sasic Boatbuilding Terminology (Tally Ho EP77) In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the cop of the comment section Casting of the floors continues by Pete, Pet and Part's son At the yard Bonny Adams, Part's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron kness Although the knees are in a reasonable condition teo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented. Rosie The services of the member of the team has to be presented. Rosie The services of the member of the team has to be presented. Rosie The services of the member of the team has to be greated and starts that is hire to store that it is hire to s				
When all the bolts and screws are fastened, Lee glues in plugs to hide the holes Meanwhile Clark keeps grinding the floors until they fland gives a polished shine, more bling What is Pete doing? Fairing the frames so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coats of vanish With 3 of bronze floors orly fitted, Pancho can't wait to inspect them 1077 2020-07-25 Sasic Boatbuilding Terminology (Tally Ho EP77) 108 a detailed list of the terms is pinned to the top of the comment section Casting of the floors confinues by Pete, Pat and Pat's son At the yard Sonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is too flishes a few knees patterns and announces that next weeks a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire Uning of the planking means that it is time to determine the planks But first the new member of the team has to be presented: Rosie The success to the higher parts of the hull				· · · · · · · · · · · · · · · · · · ·
Meanwhile Clark keeps grinding the floors until they fit and gives a polished shine, more bling What is Pete doing? Fairing the frames so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Wijnes it down and applies a few coats of varish With 3 of bronze floors dry fitted, Pancho can't wait to inspect them 1077 2020-07-25 Basic Boatbuilding Terminology (Tally Ho EP77) In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, et Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all language the fairing is language the fairing is language the fairing is language in the fairing is language in the fairing is language the fairing the fair the fairin				
What is Pete doing ? Fairing the frames so they can line and mount the planks later Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coats of varnish With 3 of 1 bronze floors of yfted, Pancho cant valt to inspect them 1077 2020-07-25 Basic Boatbuilding Terminology (Tally Ho EP77) In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc teo collects all the wrought fron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McCutier who visited TH (episode 45) who passed away Dan McGutre Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aff, Backtrack (Pete's dog) Immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
Pancho overseas all the work of course Leo is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coats of variath With 3 of bronze floors dry fitted, Pancho can't wait to inspect them In this espicode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought ir nor knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilanous sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
Leo is cutting and grinding the completed transom down to its definite form Wipes it down and applies a few coats of varnish With 3 of bronze floors dry fitted, Pancho can't wait to inspect them 1 this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teacher, she teachers here tanked ling, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns for the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hillarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dam McGuire 1078 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining for the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's doo) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
Wipes it down and applies a few coats of varnish With 3 of bronze floors dry fitted, Pancho can't wait to inspect them In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought from knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finshes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
With 3 of bronze floors dry fitted, Pancho can't wait to inspect them 1 this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the termis is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains now he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
In this episode, Leo dives deep in the terminology of boatbuilding a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wrife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees a patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented. Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
a detailed list of the terms is pinned to the top of the comment section Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
Casting of the floors continues by Pete, Pat and Pat's son At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull	077	2020-07-25	Basic Boatbuilding Terminology (Tally Ho EP77)	, , , , , , , , , , , , , , , , , , ,
At the yard Bonny Adams, Pat's wife is grinding and polishing the floors She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
She is a high school manufacturing teacher, she teaches metal, welding, etc Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire Uning of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
Leo collects all the wrought iron knees Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire 1078 1078 1078 1079 1079 1079 1079 1079 1079 1079 1079				
Although the knees are in a reasonable condition Leo decides to cast them in bronze and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues to grind and fit the floors into the hull Making patterns for the knees continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
and starts making patterns, he explains how he is going to make those Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire 1078 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				· · · · · · · · · · · · · · · · · · ·
Meanwhile Clark continues to grind and fit the floors into the hull Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire 1078 1078 1078 1078 1078 1078 1078 107				
Making patterns for the knees continues Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
Pete continues the fairing of all the frames His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				Meanwhile Clark continues to grind and fit the floors into the hull
His hilarious sense for humour shines when he says that he is building a mansion for Pancho but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				Making patterns for the knees continues
but explains in detail what the goal of the fairing is Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				Pete continues the fairing of all the frames
Leo finishes a few knees patterns and announces that next week a new apprentice will join the crew This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire 1 Dan McGuire 1 Dan McGuire 2020-08-08 2020-08-08 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				His hilarious sense for humour shines when he says that he is building a mansion for Pancho
This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away Dan McGuire O78 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				but explains in detail what the goal of the fairing is
078 2020-08-08 Boatbuilding - Lining-out for Planking (EP78) Lining of the planking means that it is time to determine the placing of the planks But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				This episode is dedicated to Dan McGuire who visited TH (episode 45) who passed away
But first the new member of the team has to be presented: Rosie The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull				
The staircase is move aft, Backtrack (Pete's dog) immediately decides that is his rest spot Some staging is set up for easier access to the higher parts of the hull	078	2020-08-08	Boatbuilding - Lining-out for Planking (EP78)	
Some staging is set up for easier access to the higher parts of the hull	1			'
Clark is back (he had to fulfil his normal job for a while) and continues to grind floors				
				Clark is back (he had to fulfil his normal job for a while) and continues to grind floors

			Rosie joins in on the grinding of the floors
			For the lining out Leo needs a series of very long battens
			Pete continues to fair the hull, he is now concentrating on the topsides
			Because Leo has to many things to do, making the videos becomes hard
			However help is at hand: Charlie will visit TH a few days a week to film the progress
			and gradually helping out with the editing as well
			A canvas maker from Australia has made a cover for the ship saw
			What is lining out, Leo explains
			Tim Lee, from the Townsend Shipwrights Co-op visits to give his advise
			Tim is lead boatbuilder on Western Flyer and has lined it out
			They determine the place of the tuck line
			They go through the original stock of planks and photo's to get some idea how it was done originally
			and use a plank scale to determine the width of the planks
			The staging is expanded around the complete hull
079	2020-08-22	Custom rivet press machine! - Wooden Boat Fastenings (EP79)	Pat and Clark are not present
0/9	2020-06-22	Custom river press machine: - Wooden Boat Fastenings (EF75)	Making the patterns for the hanging knees, Leo explains what their task is
			Leo and Rosie make them
			2 new volunteers: David and Matt
			How to fasten planks: TH was originally fastened with copper rivets
			Leo explains the different options and (as was original) choses for round copper rivets
			and how to make the rivet heads, If done manually it would be a time consuming labour
			but out of the blue a guy named geoff said he made a hydraulic press and dye to make rivet heads
			Leo unpacks the box, there is even a package of Macaw food in it
			He has enough copper bar stock to make all the rivets and tries out the press
			The machine delivers perfect rivets in no time and has a cutter to cut a rod to the exact length
			it takes 22 seconds to make a rivet
			Back to floors, when they fit into their station it is time to grinding the inside and polishing them
			The pattern making also continues
			A batch of new chickens has arrived they explore everywhere
			Pete is still fairing the frames and for and aft assemblies, however the end is in sight
			Is there a spy in the yard (at 22:46)
			Leo show why he can not use the old hanging knees (apart from the fact that they are made iron)
			There is a spy in the yard It's Alix from Acorn to Arabella
080	2020-09-05	Cutting for Propeller / Boring for Prop-Tube (Wooden Boat Rebuild / EP80)	Making patterns for the knees, casting, grinding and polishing bronze floors and knees,
			fairing of the stem and stern parts and rabbet continues
			Leo is making a template for the transom's final shape so it matches the rest of the hull
			Leo and Pete work close together to get everything right
			Did Pancho flee into the bushes because there are to much chicken present?
			Leo is waiting at the airfield to pick up Charlie who commutes from Seattle
			i i
			He arrives in his own small aeroplane, a Cessna 170, built in 1949
			It's named "Bessie", after his grandfathers cow was very reliable and very slow
			Leo installs battens so he can mark the position of every plank on the frames
			With the help of a (Dutch) ship engineer the research and decide which propeller, place
			and size of the prop aperture TH will have
			He draws the contour of the aperture onto the sternpost following the plan
			and drills a series of small holes trough the sternpost
			Designing a prop aperture is a complicated compromise
			It is going to be a feathering propeller, to minimize resistance when sailing, size about 22 inches
			and either a 3 or 4 bladed one
			After cutting out the aperture the void is grinded and shaved to the exact size
1			Before finishing the aperture Leo wants to bore the hole for the stern tube with a boring bar
1			The boring bar has itself quite a large dimension, so the first step needs to be drilled with an auger
			Then he uses a first boring bar to enlarge the hole further and does that from both sides of the post
•	•	•	,

	1		After that a second bigger boring bar is setup with a guide on each side of the stern assembly
			Looking trough the stern tube you can see the joint of the beamshelves at the stem of the boat
			The stern tube has to bored again at the time Leo receives the propeller tube and knows it's size
081	2020-09-19	Pouring Bronze / Fastening Floors - Wooden Boat Rebuild (EP81)	To cast the bigger floors, they had to make another flask
001	2020 03 23	- Saling Stotize / Fastering Frosts Wooden South County	To make the mould they have changed to a 3 pieces: Cope, Core and Drag
			The volunteers that helped with the casting had to leave, so new helpers had to instructed as well
			New volunteer Will
			The first mould they do fails: the cope had to be redone
			The second try is successful, but Pete Langley has to work very hard to separate the core
			Then it is time to don fireproof clothing, light up the fire, melt and pour
			Pete Langley gives a tour of Port Townsend Foundry
			Port Townsend Foundry
			After the casting has cooled it is taken out of the mould, the excess bronze (risers, etc) is cut away,
			transported to the yard grinded and polished (by Clark, mister polish)
			Meanwhile Pete is preparing to install the first series of floors by drilling holes trough the floors
			and wooden keel and counterbores the holes on the bottom of the keel
			He cuts some felt, paints the wooden parts (keel and frames) with a coat of red lead primer,
			lays the felt over the painted wood, places the bronze floor over it, drives bronze bolts
			trough floor and keel, mounts bronze washers and nuts and tightens them,
			The whole crew is intrigued ow to solve a wooden puzzle somebody sent
			In the end the puzzle get solved. Pancho, the supervisor, isn't happy about it: to much time lost
			Leo continues with making patterns for the lodging knees and the breast hooks
			Will was left out of solving the puzzle and nobody will tell him how to
			He gets frustrated and takes a drastic step as a result Pancho has a new toy to destroy
			Back at the foundry, the first hanging knee gets casted
			In the comments of last video a lot of question were asked about a mysterious hole in the prop
			aperture, That hole is for one of the bolts to fix the stern assembly that couldn't be installed
			until now. Leo installs that bolt now.
082	2020-10-03	Fitting/Polishing Bronze Knees - Wooden Boat Rebuild (EP82)	The bronze works continues, at the yard and at the foundry, production has been speeded up.
			Leo explains the process of fitting the knees to deck beams and frames
			Everyone is busy with grinding and fitting knees and floors, or at the foundry, however Pete is drilling and bolting the floors to the wooden keel.
			drilling and bolding the hoors to the wooden keel.
			Lea had to hend one of the knees at little hit
			Leo had to bend one of the knees al little bit After a few knee installs the process is changed a bit. First the inside of the kneel grinded and sanded
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee, avoiding a possible weak spot,
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee, avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee, avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly.
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee, avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee, avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his thumb. There is a one handed job
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his thumb. There is a one handed job available: making copper rivets, all 4000 of them.
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his thumb. There is a one handed job available: making copper rivets, all 4000 of them. But first he gives the rabbet a coat of "boat soup" (Pine Tar, Turpentine, Boiled Linseed Oil and
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his thumb. There is a one handed job available: making copper rivets, all 4000 of them. But first he gives the rabbet a coat of "boat soup" (Pine Tar, Turpentine, Boiled Linseed Oil and seasonings of choice as the caption states)
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his thumb. There is a one handed job available: making copper rivets, all 4000 of them. But first he gives the rabbet a coat of "boat soup" (Pine Tar, Turpentine, Boiled Linseed Oil and seasonings of choice as the caption states) Rosie explains and demonstrates the whole process of fitting a knee
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry continues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his thumb. There is a one handed job available: making copper rivets, all 4000 of them. But first he gives the rabbet a coat of "boat soup" (Pine Tar, Turpentine, Boiled Linseed Oil and seasonings of choice as the caption states) Rosie explains and demonstrates the whole process of fitting a knee Meanwhile Pete is continuing to bolt the floors to the keel. However he last floor in the stern
			After a few knee installs the process is changed a bit. First the inside of the kneei grinded and sanded Then the side were it touches the frames and deck beams are fitted including a little notch in the beam shelf to keep the rounded corner of the knee , avoiding a possible weak spot, Will is not present this week (he is NOT banned from yard when he cut the wooden puzzle! That scene in previous video was a joke) but will be back shortly. The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his hand. There is a one handed job Rowan is back and helps out with grinding etc. Pancho doesn't like him very much The work at the foundry ontinues The rest of the team is either at the foundry making mould and pouring bronze, or at the yard grinding, sanding, polishing, except Matt who tripped and hurt his thumb. There is a one handed job available: making copper rivets, all 4000 of them. But first he gives the rabbet a coat of "boat soup" (Pine Tar, Turpentine, Boiled Linseed Oil and seasonings of choice as the caption states) Rosie explains and demonstrates the whole process of fitting a knee Meanwhile Pete is continuing to bolt the floors to the keel. However he last floor in the stern assembly cannot be bolted because the bolt interfere with the prop shaft. He has to fit

I	1	I .	After a few days Matts thumb has healed and he helps out with polishing one of the floors.
			He also explains that the "wings" of the floors will be fixed to the frames by rivets
			when the planks go on.
			At the end of this episode all of the floors are casted, as are 21 of 28 knees. The work at the foundry
	2222 12 12		will come to an end very soon.
083	2020-10-17	Finishing Casting & Floors / Plank Stock (TALLY HO EP83)	The last knees are produced at the foundry: only 3 lodging knees left to do
			The crew : David, Rowan and Leo
			Leo's dream: "one day when I have a boatyard/workshop somewhere in the world I love to set up a
			facility to do castings on some scale"
			The last mould is formed and they prepare to cast the last two mouldings
			Daniel, an apprentice/employee of the Port Townsend Foundry will do the pour (his first ever)
			Port Townsend Foundry
			After the last pour and the casts are taken out of the moulds, the casting floor is cleaned up and
			the full crew assembles at sunset on the beach for a celebratory drink with (a few) bottles of Champagne.
			Only the grinding and polishing remains.
			Leo customizes a gig for rivet making.
			(Part of) the holes to rivet the knees are drilled and counter sunk in the bronze by Matt
			Rosie gets a crash course in driving/handling the forklift, the rest of the crew looks on
			she passes from "Leo's Dodgy Driving School"
			The Yard is reorganised to make place for the next big task: preparing the planks
			The planer/thicknesser is brought into the yard and planing the planks can start
			You might think that was the plan, not so, they needed a bigger lunch table, Pancho likes it
			Pete and Clark bolt the last 3 floors to the wooden keel
			The bolts are treaded, greased and hammered into the place and fastened, another major job done.
			Leo works out a system to fasten the lodging knees, there is very little room between the deck beams
			He succeeds and the first lodging knee is fastened to the deck beam and beam shelve
084	2020-10-31	Finished installing Knees and Breasthooks (TALLY HO EP84)	Work continues on installing all hanging and lodging knees
			But there is still a lot of grinding and polishing to do
			Rosie is drilling holes into the knees and countersinking them also
			Pete, Leo are hammering heads in bronze and copper bolts to fasten the knees to the deck beams,
			depending if they will be visible or not determines if they we be bolted or peened
			Leo explains:
			peened half inch copper rivets when both sides of the deck beam are visible
			half inch bronze bolts when only one side is visible (through deck beams, beam shelve
			The knees are countersunk, the bolts/rivets fill this space so they are stronger
			This is a centuries old technique used in shipbuilding
			Meanwhile, the planks are prepared for installing by shaving them flat
			Most of the planks are Wana, but there is series of Angelique planks as well
			These last ones will be used for the garboard, the broads, the sheer plank and maybe the second plank
			Pancho defeated, she cannot take a bite out of the plank wood
			While shaving the dust collector is attached to the planer/thicknesser, because a lot of saw dust
			is created and somebody collects it for use in his garden.
			And off course a Halloween scare has to be part of the video, organised by Pancho?
			Pete explains why and how he anneals the top of the copper rivets
	1		Pete, Leo, Rosie and Rowan are installing the knees full time
			A few knees turned out to be to complicated to be poured in one piece, they were cast in two pieces
			and welded together by Pete Langley at Port Townsend foundry
			Port Townsend Foundry
			The two breast hooks are also installed, Pete explains their function
			There is still some lining out to do, Leo starts with this job
085	2020-11-14	Fitting the first new planks / Wooden Boatbuilding (TALLY HO EP85)	Leo and crew take a week of, after all the bronze is installed
			Apart from a lot of "admin" (emails etc) Leo goes out for a ride on a Honda CT90
İ	1		and enjoys a flight in "Bessy" over the Olympic peninsula
	I	1	In a service of a contract of the beautiful and a contract of

After a lot of fiddling with batters to define the master plank lines, they are scribed onto the frames When the master lines have lines are marked the lines from the immediate planks are also marked with the help of a plank scale and a divider. When all the plank lines are marked to the lines are marked the lines are marked to the lines are marked to the lines are marked the lines are marked to the lines are marked to the lines are marked to the lines are marked to the lines are marked to the lines are marked to the lines are marked to the lines are marked the lines are marked to the lines are marked to the lines are marked to the lines are marked to the lines are marked to the lines are marked to lines are marked	
with the help of a plank scale and a divider When all the plank lines are marked on the frames, a template for the first plank is made Leo starts half way up the hull (at the turn of the bilge) so that in a later stage two crews can make and install plank in two separate sections of the hull. Meanwhile Rowan gives the frames a coat of "boat soup" The template is clamped on a plank and marked Making a template, transferring the template onto a board is a slow process, Petu, Matt an Rosis are transferring the plank lines from the starbacard to port side of TH using a place of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "renalssance was" to keep the shine for a longer time David an Rowan have been matching a series of "Dut looks" that will be used to strengthen the "butt joint" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking, Lo explains Aho where the plank meet, the signal happens between the under the plank happens between the planks go the planks with a cost of "boat soup", but starts at the wrong side of the plank we to be hollowed out so they fit perfectly upon the frames Lee has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades. After hollowing the black side, too paint the back side of the planks with a cost of "boat soup", but starts at the wrong side of the plank. Finally the first planks (band post to the frame and adjusted After a few minor corrections at the stern end of the planks and grafted another piece of wood into the plank Finally duffling the back side, too paint the back side of the planks and grafted another piece of wood into the plank Finally duffling the river holes and hammering the rivers in concludes this episode. Planking Tally Hol (Woode	
When all the plank lines are marked on the frames, a template for the first plank is made Loo Starts And way up the hull (Int the urn of the bilge) so that in a later stage two crews can make and install plank in two separate sections of the hull. Meanwhile Rowan gives the frames a coat of 'boats soup' The template is clamped on a plank and marked Making a template, transferring the template onto a board is a slow process. Peter, Matt an Rosie are transferring the plank lines from the starthoard to port side of TH using a piece of string and a bubble level. Pete explaints fing the template onto a board is a slow process. Peter, Matt an Rosie are transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "remislasces war" is kneep the shint for a longer time. David an Rowan have been matching a series of "but blocks" that will be used to strengthen the "but, where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a breef between the planks plus an extra bevel for the caulking. Lee explains Also where the planks meet, the joint between the planks splus an extra bevel for the caulking. Lee explains Also where the planks meet, the joint between the planks splus an extra bevel for the caulking. Lee explains Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames use has some demands and in modifying two planes (a power plane and a hand plane) by putting a curve on the blades Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank with a coat of "boat soup", but starts at the wrong side of the plank, it is the plank and plane) by putting a curve on the blades After holowing the back side, Lee plant the back side of the planks with a coat of bedding compound is added and the two planks (that form the first strale) are ready to be installed. After	
Leo starts half way up the hull (at the turn of the bilge) so that in a later stage two crews can make and install plank in two separate sections of the hull. Meanwhile Rowan gives the frames a coat of "boat soup" The template is damped on a palke and marked Making a template, transferring the template onto a board is a slow process. Pete, Matt an Rosie are transferring the plank lines from the transfoard to port side of TH using a piece of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "remissance way." to keep the shine for a longer time David an Rowan have been matching a series of "but blocks" that will be used to strengthen the "but to joint" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking, Leo explains Also where the planks meet the stem rabbet have to be obeveiled and the boak is did of the plank hape to be oblowed out so they fit perfectly upon the frames (a look side of the plank hape to be oblowed out so they fit perfectly upon the frames (a look side of the plank hape to be oblowed out so they fit perfectly upon the frames (a look side of the plank hape to be oblowed out so they fit perfectly upon the frames (a look side of the plank have to be oblowed out so they fit perfectly upon the frames (a look side of the plank have to be oblowed out so they fit perfectly upon the frames (a look side of the plank have to be oblowed out so they fit perfectly upon the frames (a look side of the plank have to be oblowed out so they fit perfectly upon the frames (a look side of the plank is a look side of the plank and the side of the plank and side of the plank and side of the plank and side of the plank and side of the plank and side of the plank. Finally the first planks to lange of the first planks and garded and the two planks (Fin	
and install plank in two separate sections of the hul. Meanwhile Rowan gives the frames a coat of "boat soup" The template is clamped on a plank and marked Making at template, transferring the template onto a board is a slow process, Pete, Matt an Rosie are transferring the plank lines from the starboard to port side of TH using a piece of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "renaissance wax" to keep the shine for a longer time David an Rowan have been matching a series of "but blocks" that will be used to strengthen the "but t joint" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plane matching acress of "but blocks" that will be used to strengthen the "but t joint" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plane and the planks plane and the back side of the plank has the value of the planks had be very lead and the back side of the plank had to be belied and the back side of the plank had be the plank plane to be belied and the back side of the plank had be the planks and plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the planks and grafted another piece of wood into the plank Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Peter has cut out the first garboard plank but before the garboard can go on the stop water	
Meanwhile Rowan gives the frames a coat of "boat soup" The template is clamped on a plank and marked Making a template, transferring the template onto a board is a slow process, Pete, Matt an Rosie are transferring the plank lines from the starboard to port side of TH using a piece of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "renaissance was" to keep the shine for a longer time David an Rowan have been matching a series of "but tolocks" that will be used to strengthen the 'but joint' where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plane phis between two frames most of the time. Each plank has a bevel between the planks plane the planks plane and a hand plane) by butting a curve on the blades Also where the planks meet the stem rabbet have to be bevelled and the beak side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stem end of the planks and adjusted After a few minor corrections at the stem end of the planks and grafted another piece of wood into the plank Finally fulling the rive holes and hammering the rivest in concludes this episode. Pete has cut out the first garbaord plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the kell timber along the joint and filled up with a soft wood dowel (ize uses Cedar) to fill the hole When water ruckles into the joints,	
The template is clamped on a plank and marked Making a template, transferring the template onto a board is a slow process. Pete, Matt an Rosie are transferring the plank lines from the starboard to port side of TH using a piece of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "remissance was" to keep the shire for a longer time David an Rowan have been matching a series of 'but to tooks' that will be used to strengthen the "butt piont" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking, Leo explains Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that from the first strake) are ready to be installed permanently While making the first planks to discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the river holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keet lumber along the joint and filled up with a soft wood dowed (Leo used) be bett back in shape. and straight, This helps a lot: Leo does not have to make a template for eac	
The template is clamped on a plank and marked Making a template, transferring the template onto a board is a slow process. Pete, Matt an Rosie are transferring the plank lines from the starboard to port side of TH using a piece of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "remissance was" to keep the shire for a longer time David an Rowan have been matching a series of 'but to tooks' that will be used to strengthen the "butt piont" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking, Leo explains Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that from the first strake) are ready to be installed permanently While making the first planks to discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the river holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keet lumber along the joint and filled up with a soft wood dowed (Leo used) be bett back in shape. and straight, This helps a lot: Leo does not have to make a template for eac	
Making a template, transferring the template onto a board is a slow process, Pete, Matt an Rosie are transferring the plank lines from the starboard to port side of TH using a piece of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "renaissance was" to keep the shine for a longer time David an Rowan have been matching a series of "but blocks" that will be used to strengthen the "butt joint" where the ends of two planks meet, the joint between the planks happens between the "butt point" where the ends of two planks happens between the floating that the back side of the planks neet, the joint between the planks happens between two frames most of the time. Each plank has a beev between the planks plus an extra bevel for the caulking, Leo explains Also where the planks meet the stem rabbet have to be bovelled and the back side of the plank has a beev led to the plank happens between the planks meet the stem rabbet have to be bevelled and the back side of the plank happens between the planks and the stem rabbet have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo palnak is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After a few minor corrections at the stem and adjusted After a few minor corrections at the stem and adjusted After a few minor corrections at the stem and adjusted After a few minor corrections at the stem and the plank happens are minor to the plank. Finally drilling the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank. Finally drilling the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank. Finally drilling the first plank and every plank happens	
transferring the plank lines from the starboard to port side of TH using a piece of string and a bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "renaissance wan" to keep the shine for a longer time. David an Rowan have been matching a series of "but blocks" that will be used to strengthen the "but; piont" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking. Leo explains Also where the planks need the stem rabbet have to be bevelled and the back side of the plank may be the sheet of the call the planks plus and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side. Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stem end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks is clamped to the star and adjusted After a few minor corrections at the stem end of the plank are cally to be installed permanently While making the first planks is calcovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the river holes and hammering the rivets in concludes this episode. Peter has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougle the keel timber and grid plank planks and straight. This helps a lot: Leo	
bubble level. Pete explains the process When the transferring of the master lines is done, the crew starts polishing the knees (and floors) one more time, and applying "renaissance was" to keep the shine for a longer time David an Rowan have been matching a series of "butt blocks" that will be used to strengthen the "butt point" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking. Leo explains Also where the planks meet the stem rabbet have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank in the plank plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the planks act of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first splanks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally diffling the river holes and hammering the rivets in concludes this episode. Peten has cut out the first garboard plank Value graphoard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood down (leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank after measuring the plank he can cut the next plank and edge setting the plank afterwards	
When the transferring of the master lines is done, the crew starts polishing the kness (and floors) one more time, and applying "renaissance was" to keep the shine for a longer time David an Rowan have been matching a series of "butt blocks" that will be used to strengthen the "butt joint" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks meet the stern abbet have to be bevelled and the back side of the planks have to be hollowed out so they fit perfectly upon the frames teo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the bladdes After hollowing the back side, teo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first planks is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that from the first strake) are ready to be installed permanently While making the first planks teo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Planking Tally Hol (Wooden Boatbuilding / EP86) When water trickes into the plank the plank deformed quile a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank there are in the plank here a can be the plank and edge setting the plank the can cut the next plank and edge setting the plank there wards	
one more time, and applying "renaissance wax" to keep the shine for a longer time David an Rowan have been matching a series of "butt blocks" that will be used to strengthen the "butt joint" where the ends of two planks meet, the joint between the plank sappens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking. Leo explains Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Planking Tally Ho! (Wooden Boatbuilding / EP86)	
David an Rowan have been matching a series of "butt blocks" that will be used to strengthen the "butt joint" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking. Leo explains Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the planks and grafted another piece of wood into the plank Finally drilling the first planks (that form the first strake) are ready to be installed permanently While making the first planks collected and the two planks (that form the first strake) are ready to be installed permanently While making the first planks collected and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Peter has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keet timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can	
"butt joint" where the ends of two planks meet, the joint between the planks happens between two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking. Leo explains Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, teo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks leo discovered a small fault on of the planks and grafted another piece of wood into the plank Planking Tally Ho I (Wooden Boatbuilding / EP86) Pete has cut out the first garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled troughthe keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
two frames most of the time. Each plank has a bevel between the planks plus an extra bevel for the caulking. Leo explains Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the first planks the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape, and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
Each plank has a bevel between the planks plus an extra bevel for the caulking. Leo explains Also where the planks meet the stern rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks. Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally the first planks. Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally failing the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trough the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape, and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
Also where the planks meet the stem rabbet have to be bevelled and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joints and filled up with a soft wood dwel (Leo uses Cedar) to fill the hole When water trickles into the plank and addicloses any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
and the back side of the plank have to be hollowed out so they fit perfectly upon the frames Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the plank and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
Leo has made some templates and is modifying two planes (a power plane and a hand plane) by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
by putting a curve on the blades After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank afterwards	
After hollowing the back side, Leo paint the back side of the planks with a coat of "boat soup", but starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Planking Tally Hol (Wooden Boatbuilding / EP86) Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filed up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
starts at the wrong side of the plank. Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
Finally the first plank is clamped to the frame and adjusted After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
After a few minor corrections at the stern end of the plank a coat of bedding compound is added and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
and the two planks (that form the first strake) are ready to be installed permanently While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pet has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
While making the first planks Leo discovered a small fault on of the planks and grafted another piece of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
of wood into the plank Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
Finally drilling the rivet holes and hammering the rivets in concludes this episode. Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
Pete has cut out the first garboard plank but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
but before the garboard can go on the stop waters have to be installed. Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
Stop waters are installed where a joint from the centreline crosses the rabbet. A hole is drilled trougl the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
the keel timber along the joint and filled up with a soft wood dowel (Leo uses Cedar) to fill the hole When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
When water trickles into the joints, the softwood will expand and closes any gaps While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
While cutting the first plank the plank deformed quite a bit, but it could easily be bent back in shape. and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
and straight, This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
This helps a lot: Leo does not have to make a template for each plank: one side is straight and after measuring the plank he can cut the next plank and edge setting the plank afterwards	
measuring the plank he can cut the next plank and edge setting the plank afterwards	
To try out this procedure Leo has to make a very long straight edge	
After a /four) dry fits Date is ready to install the first garboard, he points the lead with red lead prime	
After a (few) dry fits Pete is ready to install the first garboard: he paints the keel with red lead primer	
(to stop any bacterial growth and rot in the keel and frames), puts a layer of pure dolphinite on the	
garboard, fits the plank and screws it into the keel	
note: the garboard and second plank are made from Angelique which is much stronger than Wana the rest of the planks	п
is used for the rest of the planks,	-
Because the stem is not yet bolted to the breast hooks it sags a little bit over time because the big po	е
that holds up the stem is slowly sinking in the ground. Leo forgot to check for sagging when he made	
the first plank and has to correct that now before he screws/rivets the first plank	
note: planking happens in two parts: one from the bottom (the garboard) up and halfway up to the	
deck. Also planking happens at both sides (starboard and backboard) of the boat to keep the load	
evenly spreaded and prevent deforming the hull.	
The garboard is clamped down, checked for gaps and fastened by screws	
Leo adapts a circular saw so that it can saw rolling bevels. Because he uses a guide to cut the plank	
(the not straight edge that is) this cannot be done by the big ship saw.	

			While Leo is adapting that circular saw, Pete and crew fit and install the second plank. At the stem
			the plank are "nibbed" (do not end at the rabbet) the next plank ("the first broad") fills down the gap
			between plank and rabbet because one can not fasten a plank that ends with a point
			With the planking getting faster, the crew (who is engaged long time) begins to rotate jobs, some spare
			time etc. This helps the moral of the group enormously. As a result the spirit within the group is
			very high.
			One of the tools that was made "dolley" (UK)/ "buck" (US), it is a heavy piece of metal tubing filled
			with lead and a piece of live oak and has a (hollow) tip at the end,
			The use of it: peening the rivets. It is held by a crew member to keep the rivets head into its place while
			another crew member "peens" (= hammers) the other end flat and fastens the plank to the frame.
			Rowan, the always funny one dresses up specially to take the first turn in holding up the dolley.
			He wares a self designed plastic diaper because he has to sit in the rain for hours
			Rosie peens the rivets: for a few months jokes about "Rosie the rivetter" in the comments become
			a reality.
			Most of the planks are rivetted, but there are places where that can not be done: fastening in the keel
			and dead woods. These fastenings have to be screwed by 3 inch long, bronze, screws. Leo has found a
			small company that makes those type of screws: Fairwind Fasteners
			Fairwind Fasterners
			After a first cut with the adapted circular saw with the correct level of bevelling, shaving it completely
			flat, he marks and shaves the caulking bevel seem into the plank and it is ready to be fitted,
			The individual planks are not long enough to cover the length of the boat. Somewhere the planks
			need to be joined, Leo uses "Butt Joints" instead of scarfing a joint. Leo explains why he prefers
			Butt Joints.
			The cost of the bronze: sales tax included the whole operation came down to +- 33000 Us dollar.
			or at +- 700 US dollar per item (knees, floors, breast hook)
			Pete explains his (slightly) different method of making planks. The main difference, he uses his own
			circular saw without a rolling bevel edger. He changes the setting when there is a need for. He
			only has to shave a little bit more to get the plank flat.
			Leo demonstrates the accuracy of a bevel cut with a bevel gauge, shaves the sawing marks off,
			checks for fairness, shaves the caulking seem and both and seems, a next plank is ready to be fitted.
			At the end of two weeks planking 12 planks are fastened on the boat out of 2x28 planks.
087	2020-12-12	Choosing the Engine (Rebuilding Tally Ho / EP87)	In this episode Leo explaines in three animated illustrations the reasons which enginesystem(s)
			he chosed. These sections are mixed with other scenes of the planking going on, the making of a
			second staircase, the making and installing of a butt block, etc.
			Planking scene 1: Leo and Pete cutting a series of planks, templates etc
			Engine section 1: Leo explains why TH will have an engine, what engine TH had in 1910 and the
			many engines it had in its life
			Planking scene 2 : David pulls out a rivet : it won't fit in a bronze floor, the hole is to small, Pete cuts
			another plank, Rosie makes and installs (with the help of Leo) a butt block
			Engine section 2 : Engine reliability, Weather (Luff) side, Lee side, an engine needs to "simple" with
			many options to repair it on the go, The simplest reliable, safest engine is a diesel engine, but
			there are drawbacks too.
			Planking scene 3: Rowan and David make a second staircase for the front of the boat's scaffolding
			Engine section 3: Various types of energy: Petrol, diesel, wind, electric. The electric option needs special
			ways to generate it: solar power or a (diesel) generator set plus batteries,
			A second redundant system is needed: on a small boat hat can be oars but on a large cruising boat
			that won't work. An engine needs to be easy to be maintained/repaired while out on the sea,
			Planking scene 4: Planks are getting installed. Leo turns his attention to the bolts that tie the bow
			and the breast hooks together: He has ample tolerance to drill holes from the inside of the boat
			through the bow and make filler pieces to fit between the breast hooks, the stringers/beam shelves
			and the stem.
			Engine section 4 : A diesel engine, Leo's choice fell on a Beta Marine set, which has a simple Kubota
			engine. Also he considers the need for electricity in the boat: lights, appliances, bilge pump, etc. While

1	1	1	
			researching this Leo and his engineer came across a Beta Marine parallel hybrid system: it is
			equipped with two electric 20 Kw generators mounted on the prop shaft. Those generators are also
			electric motors and can use the batteries to drive the prop shaft.
			Beta 85T (85 hp @ 2,800 rpm)
			Twin Hybrid Motor (Beta 75 — Beta 150)
			Planking scene 5 : More planks are getting cut and Pancho at last
			Engine section 5 : Conclusion
088	2020-12-27	Christmas Planking Special! (EP88 / Tally Ho / Boatbuilding)	Planking continues. Two teams work simultaneously: one team from the bottom up, the other
			team from halfway up to the top of the hull. Pete is in charge of the "bottom team", Leo for the other
			half.
			Pete and Leo do all the cutting and finishing of the planks,
			Leo tries to explains the riveting process but is interrupted by Pancho who wants to take part of
			the action. Holes are drilled trough plans and frames The rivets made by Matt (see episode 82) are
			nailed a copper "clench ring" goes on top the rivet, it is cut to a certain length,
			and getting "peened" at the inside of the hull
			Clench rings are nowhere to be found: Leo even tried to make castings of them but that process is to
			slow an to costly. At the last moment he gets in contact with Karl Smith who offered his help in the past
			for machining stuff. His father has a business that runs a specialised CNC machine that can make
			those rings. Leo has already received 500 perfect clench rings and more are on their way to TH.
			RD Smith manufacturing
			After cutting a plank, it is shaved plat and gets a "caulking bevel". In a later stage the void between
			planks will be caulked with cotton and oakum. After a dry fit, some "boat soup" on the inside
			the plank gets fastened on the frames, bow and transom,
			Danny, Matts younger brother has joined the team, both love working with wood, camping etc.
			The Olympic peninsula is a favourite place do all this fun stuff.
			Meanwhile (and continuously) planks are being cut, shaved, dry fitted, corrected, getting caulking bevels,
			a coat of boat soup and fitted with copper rivets,
			Disaster: Danny's truck head gasket has blown and he has not enough money to get it repaired.
			Leo asked some advice from somebody he knew but David decided instead coming out, bring his twin
			brother Daniel with and do the repair themselves. Half a day later the truck is up and running again.
			There are some new tools around: the bucking bar gets new and better versions, even some clamps
			which makes the work easier and faster. Leo explains the different tools.
			Why no air hammers or mechanical riveters are applied, stays a mystery,,,
			Planking goes on
			Rowan, chicken in his arm explains what he is doing in his spare time and his main tasks on the
			Project at the moment: together with Pete making bronze bolts and bolting the knees to the frames.
			Rosie makes butt blocks and fits them on the back side of the butt joints, she explains the full process (and what she's up to in her spare time)
			Speaking of Pete: When Leo wanted to ask him he had already disappeared, so Leo has to explain what Pete is doing.
			Leo explains why he changed the plan to rivet the hanging knees trough the planking frame and knee
			by bolting them instead. That happens on all hanging knees, except the 6 (2 x 3) knees where the
			chain plates will be installed. The chain plates are situated at the outside of the hull and are needed
			for the standing rigging that will support the mast.
			David cleans trims the felt paper between frames, knees and floors when they are fastened.
			"The Pancho show": Once again she demonstrates that she is the star of the show. She even tries to
			pick pocket her subjects.
			David's activities are painting, cabinetry. He even found a local job that he can combine with his
			volunteer work on TH
			While the weather changes from rain to snow, in a series of scenes all the different activities are
			shown.
			One of the chickens found a way to enter the boat.
			The episode concludes with Leo giving a short resume: 31 planks are installed, out of +-106 needed.
1	I	I	1 Spissas considered 255 8

39	2021-01-09	"Hey Pete, what are you doing?!" (Rebuilding Tally Ho / EP89)	Roughly 1/3rd of the planking is done. TH is 111 years old now!
	2021-01-03	They i etc., what are you doing:: (nebuilding fally 110 / EF 05)	This episode concentrates most around Pete Stein, a professional shipwright who is working with Leo on
			TH. The crew have a few days off for New Year and were invited on Pete's boat in Port Townsend
			, and the second
			for a sail trip.
			Pete's boat is a "Truant" developed and build at the "Northwestern School of Wooden Boatbuilding"
			Northwestern School of Wooden Boatbuilding
			Pete's workshop is situated in Port Townsend, next to the "Port Townsend Shipwrights Co-Op" and
			actually the first building that they build on site.
			Port Townsend Shipwrights Co-Op
			Pete's Instagram
			He shares the building with two other companies: "Compass woodwork" and "Golden hour upholstery",
			At the Port Townsend Shipwrights Co-Op the restauration of the Western Flyer takes place,
			Leo pays a short visit and has a chat with Tim Lee about bedding the seems between planks
			Western Flyer on Youtube
			Planking continues
			Pete's story, second part: from the age of 17 for 5 years he travelled all over the USA as a Hobo
			Interruption, Matt Makes a series longer rivets, so they can be used to rivet the floors as well.
			Pete's story, second part: Pete's prank
			Pete's accident
			General scenes of different activities at the yard
			And Pancho is present, she climbs the stairs
			Pete explains what he is doing, working on the "broads" the lower 7 planks and why he switched from
			Angelique to Wana. (it was planned that way)
			Leo tells the story about the shipwright tool chest from Jake Jacobson who passed away recently
			Michael (Jake) Jacobson Memorial
			Two members of the boatbuilding community in the Northwest collected his tools
			and put them in a big toolchest and loaned to aspirant shipwrights
			Rosie is selected as the first recipient of the chest.
90	2021-01-30	The Rig & Sailplan (Rebuilding Tally Ho / EP90)	In this episode Leo goes over (nearly) all types of sailing boats, sail configurations and discusses
			the sail plan for Tally-Ho.
			Basic rigs are described with two or three words (list follows)
			1-Type of sail
			Bermudan (or Marconi)
			Gaff
			Lug
			Gunter
			Crab claw
			Lateen
			Sprit
			Swing
			Freedom
			2a- number of sails: single mast
			Sloop (1 main, 1 head sail)
			Masthead Sloop
			Fractional Sloop
			'
			Cutter (1 main, more head sails)
			2b- number of sails: multiple mast (first mast is higher than the second (mizzen) mast)
			Ketch
			Yawl
			Two masted Lugger
			3a- A look at Tally Ho's sail plan
		I and the second	Drawn in 1909 by Albert Strange

Albert Strange wiki TH is clearly a Gaff Cutter 3b- Rig components Boom Gaff Mainsail Throat halyard Peak halyard TH has 5 Headsails, only 2 will be flown at the same time Foresail/ Staysail can be exchanged to a Reaching Foresail/ Staysail 3 jib sails depending on wind conditions Mainsail sheet Headsail sheets 3c- Names of the sail sides Foot Luff Leech Head (for a Gaff sail) 3d- Names of the sail corners Tack Clew Head (triangular sail) Throat (Gaff sail) Peak (Gaff sail) Topsail Jackyard Topsail (Topsail with spars) 3e- Mast and standing rig Pole mast Shrouds Chain plates Spreaders Stem Traveller (moveable ring to which the tack of a jib is connected on the bowsprit) Topping lifts 4a- Sean Rankins (NW Sails & Canvas Inc) North West Sails & Canvas Inc World wide Consulting to recreate TH's adapted sail plan for the Fastnet Race ASA newsletter excerpt Mast replaced? Same (shortened) mast with fitted topmast plus a new Jackyard topsail and a new Flying Jib 4b- Marine Architect Jim Franken Jim Franken Design Detailed plans for the individual sails, cloth needed, hardware needed, detailed rigging, etc So that all the parts of rigging, hardware and sails are produced they will fit together Leo concludes this episode with a (detailed review) review of the new drawn sail plan, its possibilities for light and heavy weather (including a big Spinnaker) The top mast can be brought down, to reduce the height of the rig added the running backstays (were not shown on the original sail plan) Why drawing up the plans now? To be able to order the sail cloth, so the sailmakers can begin make the sails between other work (estimated cost § 10,000 imported from Europe) and probably distributed between several lofts. 2021-02-13 Planking the Hull - Part 1 (Rebuilding Tally Ho / EP91.1) The crew is becoming very fast in riveting the planks that some of them now are trained to cut planks too. 091-1

	1		106 planks in total are needed, 38 are installed at the begin of the video
			Planks are installed in 2 groups: bottom to half way up an halfway up to the top. This happens on
			both sides of the boat switching sides after every "strake" to keep the load on the frames equal
			General views of planking activities
			Leo carries out some tests with a single rivet until it breaks
			First a sheer test with 770 lbs (350 Kg), 900 lbs (408 Kg) and 1200 lbs (544 Kg) The rivet takes it
			Only if Leo stops a drop of the weight abruptly the wood splits, the rivet itself holds
			Next test: a rivet in tension with 770 lbs (350 Kg), 900 lbs (408 Kg) and 1200 lbs (544 Kg)
			The rivet even survives the drop test
			Because these test were unscientific Leo visits a test bank for slings near the yard
			They carried out several test on multiple rivets
			These test delivered a lowest result that a rivet broke was at 2425 lbs (1100 Kg), most of them broke at
			at 4000 lbs (1815 Kg)
			Planks are cut to size, shaved top and bottom, hollowed on the backside. The top side of the plank gets
			a bevel to make room for the caulking (corking) after all the planks are installed
			The video gives the process in full
			The last thing that happens before the plank is installed is tracing a line 1 inch from the edge
			of the plank where to drill and install the rivets
			Before the planks go on, fairing of the planks one more time is carried out
			Leo explains why he hollows to the planks and not flatten the frames
			He also explains why he uses narrow planks
			Last minute repair on a frame: to remove some sap wood and a bark inclusion a block is glued
			and clamped in place
			Also shown in the video is the detailed work that goes on to the joint of two planks
			Rosie cuts her first plank
			Pancho, as usual, inspects the work from every angle, even from the top of the roof of the work shop
			Matt fills and glues screw holes with small pieces of wood on the frames so that water cannot get in
			Pete in his unique style explains how and why caulking (corking) bevels are made
			Because all the caulking (corking) bevels are the same, a router jig in developed
091-2	2021-02-14	Planking the Hull - Part 2 (Rebuilding Tally Ho / EP91.2)	Planking continues with several activities: cutting a plank, 1st fitting, marking and correcting the
			fit of the plank into the rabbet The happens on both sections (top and bottom part) by the two
			planking crews. Leads are Pete for the bottom half and Leo for the top half.
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place,
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style"
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull)
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works.
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use bronze screws (behind hanging knees , the beam shelve, the stem rabbet, the transom, etc)
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use bronze screws (behind hanging knees , the beam shelve, the stem rabbet, the transom, etc) Each strake exists of at least two planks, the joint between them is strengthened with a "butt block"
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use bronze screws (behind hanging knees, the beam shelve, the stem rabbet, the transom, etc) Each strake exists of at least two planks, the joint between them is strengthened with a "butt block" Before a plank goes on, if necessary a last minute fairing of the frames is carried out.
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the wo sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use bronze screws (behind hanging knees, the beam shelve, the stem rabbet, the transom, etc) Each strake exists of at least two planks, the joint between them is strengthened with a "butt block" Before a plank goes on, if necessary a last minute fairing of the frames is carried out. The last shutter plank on the boat is called the whisky plank, when it is installed the crew takes
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use bronze screws (behind hanging knees, the beam shelve, the stem rabbet, the transom, etc) Each strake exists of at least two planks, the joint between them is strengthened with a "butt block" Before a plank goes on, if necessary a last minute fairing of the frames is carried out. The last shutter plank on the boat is called the whisky plank, when it is installed the crew takes (a) shot(s) of whisky to celebrate the work done. Some planking crews make every plank a whisky plank.
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use bronze screws (behind hanging knees , the beam shelve, the stem rabbet, the transom, etc) Each strake exists of at least two planks, the joint between them is strengthened with a "butt block" Before a plank goes on, if necessary a last minute fairing of the frames is carried out. The last shutter plank on the boat is called the whisky plank, when it is installed the crew takes (a) shot(s) of whisky to celebrate the work done. Some planking crews make every plank a whisky plank. A special jig is constructed to simplify the clamping of butt blocks to ease the peening of the rivets
			planking crews. Leads are Pete for the bottom half and Leo for the top half. Holes are drilled for the rivets, rivets are hammered into place, TH get its plank symmetrically on both sides of the hull A few scenes during a lunch break, with Pancho prominent in the picture A caulking (corking) bevel is cut When the weather allows it, lunch happens outside with a planking stock as a table One of the chickens decided to do inspection of the works herself in a "parkour style" Leo explains why the planking happens in two sections (bottom ant top half of the hull) One disadvantage with this method is that you need "shutter planks" that closes the gap between sections, they are a bit harder to cut and clamp One advantage with shutter planks is the fact that you can compensate for the crimping of the other planks (by drying out) during the works. More planks go on, the gap between the two sections is getting smaller by the day Most of the planks are fastened with coper rivets, but on places that cannot be rivetted the use bronze screws (behind hanging knees , the beam shelve, the stem rabbet, the transom, etc) Each strake exists of at least two planks, the joint between them is strengthened with a "butt block" Before a plank goes on, if necessary a last minute fairing of the frames is carried out. The last shutter plank on the boat is called the whisky plank, when it is installed the crew takes (a) shot(s) of whisky to celebrate the work done. Some planking crews make every plank a whisky plank.

1	ſ		and is very "bendy" in itself ,2nd TH shape has a easy hull shape . When Leo received the planks they
			were very green, put is a kiln to dry slowly
			The planks are not equal in thickness, most are of the same size, but some are what thinner.
			The thinner ones are placed on sections that have less curve, the thicker ones need a bit more fairing
			when the planking is done to get a smooth hull.
			Planking goes well, at the end of the video only 36 planks (18 strakes) are left to fit.
092	2021-02-28	Can the County shut down TALLY HO?! / Sheer Planks (Rebuilding Tally Ho / EP92)	A snow storm hot the yard, there snow in TH's hull
032	2021 02 20	can the county state down theel thos. / sheet hains (resulting fally no / El 32)	At the end of the previous episode there were 70 planks fitted an 36 to go
			Leo is going to prepare for installing the sheer plank (top plank)
			Meanwhile planking goes on and the gaps between the two sections becomes smaller by the day
			Backtrack (Pete's dog) wants to be in the action
			Pancho inspects a plank and takes two bytes out of the (softer) Wana plank. Leo intervenes
			Leo spends days in fairing the tops of the frames to obtain a fine sheer line
			Pancho, as always, wants his part of the show and shows some of her tricks
			At the bow of the boat there will be a lot going on: the bowsprit will sit on the left side ad on the other
			a lot of other things will happen: a lot of boats have a "knight head" installed: TH had not
			TH had some very special formed blocks to support the bowsprit and the bow roller.
			After careful measuring, Leo cuts the blocks, fits them and starts to drill 4 four holes for the bolts.
			He applies a thick coat of Dolphinite to the surfaces of the block and the beam shelf and bolts
			the blocks to the hull, fairs them in and finishes the rabbet to the exact height.
			Meanwhile planking goes on, Pete discovers an error in measurements of a plank. After a lot of
			discussion and confusion the plank can go on,
			Leo makes templates for the Sheer strakes, the most important planks of the boat because
			it defines the sheer of the boat. The plank will be cut out of Angelique a much stronger wood
			than Wana. However The stock is in short supply. That is why he changes the dimension at the last
			minute (he makes them smaller than originally planned and will fill the gap with higher Wana planks)
			Behind the sheer planks a lot of bolts are installed to hold the beam shelve in its place. Just before
			the sheer plank is installed those bolts are tightened and the threads are disrupted so they con
			not come loose.
			Leo receives a large envelope from the local county. There is a big problem that could jeopardise the
			whole project: The yard could be shut down by the local authorities.
			Leo goes in to detail what that letter says. We skip that part of the video to avoid any repercussion
			it could have on the TH project.
			In the last part of the video, one of the two shear planks is fitted, there was not enough time left
			to install the second one before video had to be published.
093	2021-03-13	County Problem Solved?! / Goodbye Rosie (Rebuilding Tally Ho / EP93)	The episode starts with Leo thanking everyone for the support and suggestions for a solution for
			the issues with the county (see episode 92) and some awesome news about Rosie.
			Planking continues, with Leo, Pete, Matt, David, Rowan and Rosie. Leo starts with cutting the Shear plank
			for the port side of the hull. This plank is made of Angelique and there very little left. After a lot
			of puzzling, Leo succeeds in making the two shear strakes out of Angelique,
			Rosie explains what is going to happen with the hull after fairing the planks: both sides will be painted
			on the outside it will be(white) paint because that is stronger than varnish. It protect the planks
			against UV light and needs less maintenance. On the inside it will be oil (boat soup)
			There is no problem drilling through trunnels for rivets or screws,
			Lots of scenes cutting, shaving planks and ultimately installing them.
			Pete explains why there are "nibs" on the lower planks at the stem of boat. Simply because the
			sweep of the forefoot is to shallow and there is not wood material enough to screw the plank to it,
			Rosie is offered a full time job at the Port Townsend Shipwrights Coop and leaves the project.
			Port Townsend Shipwrights Co-op
			She going to work on the "Western Flyer" restoration project that is also on Youtube.
			Western Flyer Foundation Channel
			Planking continues, the gaps in the hull are becoming smaller
			Pete explains why the planks are installed tightly , because when in the water they will absorb water
•	1	•	, , , , , , , , , , , , , , , , , , , ,

094c	2021-03-25	Live stream of the Whisky Plank installation Fairing the Hull / next steps (Wooden Boat Rebuild / EP95)	Deleted video
		The second of th	Deleted video
094b	2021-04-03	Boatbuilding Time-lapse / Planking TALLY HO in 3 minutes. (EP94.5)	Bonus video: a time lapse of the planking of TH
			Again: "Inspector" Pancho takes her task very seriously and is featured several times in the video.
			epilogue: a small recap in video: Leo inside the boat in 2017 and in 2021.
			joined in the celebration and most of them took also a shot of Whisky or another beverage.)
			And then it is time to celebrate! (At hits point in time +15000 viewers on the live stream
			the Whisky Plank.
			Rosie has been given a day of on her new job to be able to take part in installing and celebrating
			But first David rivets the last rivet in place.
			(The installation was live streamed on YT, but is also presented in this episode)
			installed: The crew drinks a shot of whisky.
			Then it is time for the last plank: the Whisky Plank, which calls for a celebration after it is
			transom to their ultimate dimension.
			While Pete is shaping and fastening the last shutter plank, Leo starts with cutting the planks at the
			One by one the gaps close and the hull nears the finish
			rounding the inside of a shutter planks helps also with the hammering in explains Pete.
			on the inside of the hull there to much hardware that makes riveting mostly impossible.
			need a pattern because they vary verry much in width. These planks are mostly screwed because
			needed force. Rowan demonstrates it perfectly The front shutter planks are relatively straight, so no pattern is required; however the aft shutter planks
			Another technique to bucking up a rivet is with a rope to sit on so the body weight delivers the
			completely visible.
			The rain cover of the side shed has been taken down, from the road the beauty of the hull is now
			The planks themselves will be hammered in place by brute force.
			new systems are being tested and used, amongst them a levering system.
			Because there is no room left to put in clamps riveting and screwing becomes a little bit trickier
			After months of being a valuable team member Matt has to leave.
			Shutter planks fill the gaps between several already planked sections. Leo starts cutting them
			"Whisky plank"
094a	2021-03-27	Finished planking! / Final "Whisky Plank" (Wooden Boat Rebuild / EP94)	In this episode the crew will be installing the "shutter planks", the last one being the famous
			"Inspector" Pancho takes her task very seriously and is featured several times in the video.
			Finally Rosie leaves after 8 months at the project. But we will see her again in Port Townsend.
			Riveting and screwing planks continues.
			way to do it.
			but will be painted white with the rest of the planks to protect the wood. This is the traditional
			Leo explain how the planks will be trimmed at the transom, this exposes the end grain of the planks
			two newspaper articles about the issue.
			All the details are in the video (starts at about 26:30), In the TH section of this website you will find
			SCHWABE, WILLIAMSON & WYATT
			SCHWABE, WILLIAMSON & WYATT (Nationwide Law Firm)
			DILLE LAW, Olymplia WA
			and Municipal Law)
			DILLE LAW, Olymplia WA (Trust and Estate Planning and Probate, Business Law, Real Estate,
			6 months time. With the help of two lawyers :
			Leo explains the compromise that has been reached with the county: TH has to moved from the property
			etc installed on that plank.
			will touch walls, berths, etc. and will suffer the most. On top of that, there will be lots of fastenings
			Why are the sheer planks made of Angelique: This wood is stronger the Wana, That plank
			chickens. As always Rowan makes a bit fun of it.
			Plot change: the team builds a chicken coop because there was an intruder who killed one of the
			Planks do not swell lunitidal so there is no problem of causing damage to the stem or stern rabbet

		will sail. Fairing happens in several phases: A first round will take out the biggest part of the errors, about 80% The rivet and screw holes in the hull are not yet "bunged" up. This allows to correct the embedding Bungs will be put into the holes after the first round of fairing. Also, is it the right time to start caulking/corking the boat. Sometimes a plank will move slightly and that needs to be faired again. Then a first coat of primer will be painted on the hull and that will show al the faults clearly Meanwhile Rowan makes the bungs needed to glue on top of the rivet- and screwheads. +- 4000 are needed. He shows the technique he uses to do this very efficiently, and produces a series of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will be saturated with oil (or boat soup). This will prevent the planks to dry out to quickly.
		The rivet and screw holes in the hull are not yet "bunged" up. This allows to correct the embedding Bungs will be put into the holes after the first round of fairing. Also, is it the right time to start caulking/corking the boat. Sometimes a plank will move slightly and that needs to be faired again. Then a first coat of primer will be painted on the hull and that will show all the faults clearly Meanwhile Rowan makes the bungs needed to glue on top of the rivet- and screwheads. +- 4000 are needed. He shows the technique he uses to do this very efficiently, and produces a series of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		Bungs will be put into the holes after the first round of fairing. Also, is it the right time to start caulking/corking the boat. Sometimes a plank will move slightly and that needs to be faired again. Then a first coat of primer will be painted on the hull and that will show al the faults clearly Meanwhile Rowan makes the bungs needed to glue on top of the rivet- and screwheads. +- 4000 are needed. He shows the technique he uses to do this very efficiently, and produces a series of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		caulking/corking the boat. Sometimes a plank will move slightly and that needs to be faired again. Then a first coat of primer will be painted on the hull and that will show al the faults clearly Meanwhile Rowan makes the bungs needed to glue on top of the rivet- and screwheads. +- 4000 are needed. He shows the technique he uses to do this very efficiently, and produces a series of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		Then a first coat of primer will be painted on the hull and that will show all the faults clearly Meanwhile Rowan makes the bungs needed to glue on top of the rivet- and screwheads. +- 4000 are needed. He shows the technique he uses to do this very efficiently, and produces a series of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		Meanwhile Rowan makes the bungs needed to glue on top of the rivet- and screwheads. +- 4000 are needed. He shows the technique he uses to do this very efficiently, and produces a series of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		are needed. He shows the technique he uses to do this very efficiently, and produces a series of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		of bung jokes. Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		Leo wants the boat faired, caulk/cork the gaps between the planks and install the bungs as quickly as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		as possible so the planks can be painted with a primer to seal them. Also on the inside the planks will
		Caulking/Corking will strengthen the hull considerable, strength that is needed for the boat to be moved
		to it's new yard.
I		Pancho is testing the strength of wood today, luckily she test the stage and not the boat.
		Pete explains the whole fairing process: it sucks! It is a tedious job but things are looking good
		David is rounding the inside of the frames to remove the sharp edges.
		Fairing continues, the hull is much smoother now.
		After two weeks the first phase of fairing is finished, the caulking/corking and bunging can begin.
		For the first stage power tools are mostly used, the second phase will be done by hand tools such as
		longboards.
		For the caulking/corking a few specialist guys from Port Townsend will lend a hand to speed things up.
2021-04-24	Caulking (Corking?!) a wooden boat (Tally Ho / EP96)	This episode starts with Leo explaining the word "Caulking" and the controversy around how it is
1		pronounced Caulking/Carking
		Leo also explains what Caulking is: filling up the seams between planks and making a boat watertight.
		In Port Townsend Leo has a chat with Brad Seamens: he offered to lend a hand with a few other
		caulkers to caulk TH for a day. So he and Paul Stauffer (?) both from the Port Townsend Coop and
		Jordan Bard, an independent shipwright arrive on a Saturday for a days work.
		Caulking begins, first a coat of Linseed oil is painted into the gap and the hammering begins
		Brad explains the procedure: first a strand of cotton is hammered in the back of the gap between
		planks and then, if necessary one or more strands of Oakum (hemp) are hammered in.
		Because TH planks are relatively thin only cotton will be used. Pete and Leo join the fun also.
		After one day of caulking more than a third of TH's hull has been caulked even with a break of
		Pizza and Beer! The rest of the jog is up to Pete and Leo during the following days.
		Pete explains the procedures used to caulk a seam and the different gears they use:
		first a strand of cotton is "tucked" into the seam, then it is "rolled" into the back of the seam and lastly
		they "make" the strand of cotton with a broader iron to compact it in the back of the seam.
		Pete also describes and shows different sorts of caulking irons and their use.
		When a series of seams is caulked a layer of red lead primer is painted into gap. Rowan and Dave
		take on this job.
		Leo explains the strange looking mallet that is used to caulk a boat: it is a heavy big strange mallet
		But it is very effective and the result of hundreds of years of evolution.
		Lastly a quick run with a torch burns the few strands of cotton that left sticking on the outside of
		the planks. Tally Ho is caulked and ready for the next phase.
		As always Pancho is the supervisor of the project and keeps a close look at the work.
	2021-04-24	2021-04-24 Caulking (Corking?!) a wooden boat (Tally Ho / EP96)