

1: SERENITY From Sea To Sea, Part One – Maritime Matters

It's too early to say which way this story will turn out- maybe a bit of both- but for "part 1," just the at sea part, I'd say take the plane. There's not a lot to say about being at sea.

The young Mexican deck-hand was still learning his way around, and the twenty-four-hour bustle of work on the never ceased to amaze him. A group of American divers passed on their way to the saturation chamber. Luis had heard that the company was owned by a rich Mexican, but the boy had never seen him. Luis just did as he was told and tried to absorb as much as he could in hopes of advancing and making more money. He knew little about the offshore oil business, but he was learning rapidly. Chauvin, one of the men in the sea

Why Offshore Drilling? Beginning with the first wells drilled in the latter half of the nineteenth century, the deposits that could be most easily extracted were those first depleted. As more and more resources on land were drained and oil was discovered in shallow coastal waters, a new industry emerged. In the late s the first offshore wells were drilled in shallow water and undersea pipelines were laid to bring the oil and gas ashore. Huge offshore drilling rigs were anchored in the seabed or sometimes floated on top of it. Pipelines, often hundreds of feet beneath the surface, first had to be prefabricated on specially equipped barges or ships and then lowered to the ocean bottom and, once there, somehow held in place. The , on which Luis Domingo worked, was a derrick lay barge. Built in Japan in for Brown and Root, then one of the largest offshore contractors in the world, DLB was feet long by feet wide and had a foot draft. Two cranes on board moved heavy materials, including pipe sections, which might be 40 feet long by 3 feet in diameter and weigh over two tons. The concrete-covered sections were welded together in the pipe alley, then checked with X-ray machines to make sure the welds were solid and there were no holes through which oil or gas might leak. Derrick lay barges move along preset pipeline courses like floating spiders, pulled by retrieving cables to giant anchors, which are put down, picked up, and then reset by accompanying tugs and anchor tenders. Once the pipeline is on the seabed, divers are lowered in a diving bell to make final undersea connections. The pipe drops into the trench and then is covered by sand or silt blown over it by the jet sled. These operations require welders, inspectors, riggers, divers, dive tenders, and a shipload of technicians, mechanics, roustabouts, cooks, cleaners, and other support personnel, including deckhands like Luis, who all live on the barge. On October 10, , the crew of DLB numbered men. Thus, when we talk about the we are talking about a small town – and a vulnerable one. Even being towed by her two tugs, she could not be moved very far very fast. The and all the men aboard her were floating victims. Their attacker would be named Roxanne. Conversion from civilian time is simple, as illustrated by the following examples.

2: BioShock Infinite: Burial at Sea - Wikipedia

Hello Paddle Fans! Here, finally, is the classic live action film version of "Paddle To The Sea" - shown on Youtube in 3 parts. Paddle To The Sea was filmed by Bill Mason in , and was inspired.

All photos by and copyright Peter Knego unless otherwise noted. Alas, we would have to wait a day before boarding, so we devoted the afternoon to roaming the cobblestone walkways and canals of the City of Water. First glimpse of Canale Grande. The shoulder season weather was bliss and the lighting offered up stark contrasts of sunlight and shadow. San Marco to the sky. At Piazza San Marco, we toured the Basilica which is free but where no photos are allowed , then opted to wait in the minute queue for a ride to the top of the famed campanile. Il Morro di Venezia. Perhaps no symbol of the ancients would be more predominant throughout the upcoming voyage than the striking winged Venetian lion. Once atop the bell tower, we squeezed through the crowds to enjoy the views in each direction. Directly below us, the pigeons vied with ebullient visitors and their selfie sticks. Meanwhile, the self-absorbed throngs in our midst seemed less concerned with the spectacular setting than their pouty poses. From San Marco to San Giorgio. To our southwest, a riverboat glided past the tiny islet of San Giorgio, which boasts an almost equally splendid campanile. Doges overview and Canale Giudecca. Once back on the ground, we visited a local pizzeria and then headed back into the labyrinth for the Rialto Bridge. Canale Grande from the Rialto. Palos on the Canale Grande. There were more photo-ops along the Grand Canal as we worked our way back to the Piazzale Roma, for the return bus ride to our hotel in Mestre. Atrium, facing forward from Deck 3. Two layers of balconies flank the outer edges of the Atrium. In the Atrium and throughout the ship, there are intimate, inviting corners with high end, comfortable furnishings that have an undeniably Scandinavian MidCentury feel. Explorer Suite living room, facing starboard. These square-foot apartments have a large living room and dining nook that overlook the bow. Explorer Suite balcony. The forward portion of Explorer Suite balconies are protected by a glass screen that helps provide shelter from high winds when the ship is under way. Explorer Suite bathroom. Explorer Suites have lavish bathrooms with jacuzzi tubs, a television and twin sinks among their perks. Explorer Suite bedroom. Explorer Suite bedrooms have large picture windows that face an inaccessible terrace that overlooks the bow. Penthouse Junior Suite , facing port. Penthouse Junior Suites measure square-feet and have a similar layout to the narrower Deluxe Veranda Suites with beds inboard and living space towards the outer end of the floor plan. Deluxe Veranda stateroom , facing starboard. We would be occupying Deluxe Veranda Stateroom on port Deck 4. Deluxe Veranda Stateroom , facing port. It has a separate seating area with a small sofa, coffee table, mini-bar replenished daily with soft drinks and juices , binoculars, quiet vox headsets for shore excursions and a coffee maker. The balcony is wide enough for two chairs and a small dining table. The bathroom boasts some nice features like a heated floor, defogging mirror and even a night light setting switch is by the bed. Viking supplies high quality Freyja amenities that include moisturizer, soap, shower gel, shampoo, conditioner and shower caps. Public areas are located at the top and bottom of the ship, sandwiching four full decks of all-verandah accommodation. The terraced Wintergarden is located on midships Deck 7 and opens up to the pool area via folding screens. The Main Pool area is surrounded with deck chairs and features a waterfall, a stepped down pool and a large hot tub. A large LED screen on the aft bulkhead is used for movie screenings and musical performances and the entire space can be sheltered from inclement weather by a sliding glass and steel Sky Dome. The World Cafe casual dining venue follows the pool area on Deck 7 with galleries of seating surrounding inboard buffet stations. Almost everything is prepared freshly in the on site open kitchen. Deck 2 promenade facing aft from port. Deck 2 is encircled by a degree promenade that can be used as a jogging track 4 times around is a mile. The Viking Theater is the main showroom with wings on either side that can be used as cinemas or meeting rooms. It is the go-to for late night live music and cabaret style shows such as the popular Rat Pack revues. The Restaurant, facing aft from port. The Restaurant follows the Atrium on Deck 2. The open seating venue offers a multi-course, full service dinner every evening between 6: Broken up into numerous smaller alcoves, it opens up onto the Promenade Deck via unfolding screens. Deck 1 begins with the spectacular Spa and its thermal suite which is available to all guests for no

charge. San Marco night passage. End of Part One.

3: Rossed at Sea Part 1 | Jessie Wiki | FANDOM powered by Wikia

Rossed at Sea Part 1 (also known as Catch of the Day) is the eleventh episode in Season 4 of JESSIE and the 89th episode overall. This is the first part of the three parter. This is the first part of the three parter.

Whether you want to stave off the wait till your next cruise or someone who still has yet to achieve the dream of cruising, sit back and relax as I share my personal experiences both on land and at sea! And then we caught a double whale tail: And then we caught the biggest fish of all: I remember one day we were standing there waiting for an elevator to arrive and we noticed one coming up super slowly. Once it reached us, we saw it was full of 3 crewmen scrubbing the inside of the door as it rode up. It was a really cool effect to be standing in front of an elevator but the clear doors made it look like there was nothing behind the door enabling you to see through to the other side of the ship. It was hilarious to follow along with the continuous narrative that showcased the 36 over and over with someone who seemed very upset that people were erasing their 36 and making changes. Way to commit to the shtick with adding the 36 on the magnets as well. And for some total randomness - the way the elevator buttons are displayed drove me nuts! Could never tell what was really already pushed and lit up. In the below picture, can you tell which is the only deck actually lit up? Most notably was our attempts to go to deck 6. Hmm, signs of a haunting? Back to your regular scheduled blog: A second sea day meant the chance to wake up fresh and start a new day. Prior to the cruise, we had asked Smitha to make sure we were included in all behind the scenes tour opportunities. Our first time on Carnival, we booked and paid for the "Behind the Fun" tour which showed us the galley, the bridge, the engine control room, laundry, food storage, backstage at the theater etc. On Princess, they offer a tour of the galley following a very funny comedic cooking presentation. On Celebrity we got invited along with a small group for a bridge tour that was limited to just the station on the bridge wing where they can control everything they can control on the main bridge station in the center. This time, Smitha added us to the list of a bridge tour for all Star Class guests scheduled to meet up at 9: To be quick, we hit the Suite Lounge for our own version of an instant breakfast. The rare sighting of my own camera photo bombing my picture: One of the genies circulated the sign in sheet and completely skipped over us even after Smitha came over to chat with us. She called him back over so we could sign. Then we got freshly frisked, I mean wanded, by security staff. Since they had brought a female security officer and a male security officer, they split us up by gender to be wanded. The ladies line was about as long as a ship excursion bathroom stop so I joked that of course the ladies line is the longest! Everyone of course passed the wand test insert your own Harry Potter joke here and we were led down the hallway to the first most important part of the bridge - the Purell station! The Oasis bridge is much larger obviously than we saw on Celebrity and our tour guide Markus from Sweden gave a much more in depth tour. We were allowed to take as many pictures as we wanted but no video. Markus showed us the smaller station in the bridge wing, the portrait wall of captains, and the little side space behind the center of the bridge that houses a control center of sorts allowing them to view cameras all over the ship and control each door and section. He took the time to show us what happens if there is a fire or emergency on board by using the control center to set off an alarm and close the water tight door leading off of the bridge. While there, an alarm triggered by a passenger requesting potential medical assistance in their cabin went off and one of the security officers rushed off to check it out. Markus joked that a lot of passengers end up bumping that alert button when they "are taking a leak, pardon my French. The genies all offered to take pictures for their passengers: And then we had Israel or "Izzy" as Smitha called him take a photo of us with Smitha:

4: Mediterranean Empires With VIKING SEA, Part One – Maritime Matters

All at Sea, Part 2 Posted by Mike on June 15, June 15, With our newfound confidence in estimating the unpredictability of the weather, along with subtropical depression Alberto wreaking havoc in Florida, we decided that we better pad our schedule back to the United States by a few days.

Passage to La Paz, a family visit, and snorkeling with whale sharks! So when we left San Jose del Cabo, we pointed the bow north again. At first – when our course was really more northeast along the coast – we had beautiful sailing on a close reach, once again flying along under clear skies. But as the land curved more north and we altered course, the wind was right on the nose. With relatively little chop, we nonetheless made good progress, despite sailing lots of miles out of our way, as you do when you beat to windward. By evening we had reached Cabo Pulmo, a national park that was recommended in our cruising guide for having the best protected anchorage south of La Paz. Unfortunately, our cruising guide was a bit outdated – 5 years old – it was free – and as soon as we got the anchor down a park official hailed us over VHF radio to tell us that anchoring was prohibited there. So, back we went, coasting downwind to the permitted anchorage at Los Frailes. The north wind was strong and had kicked up a chop that was really killing our VMG velocity made good, which was in turn rather hurting our morale. We hoped it would die down a bit in a few days. Los Frailes turned out to be a nice anchorage, full of beautiful phosphorescence at night and lovely scenery during the day. We had it all to ourselves for the three days we spent there, waiting in vain for the wind and chop to lay down a little. Lovely Los Frailes anchorage By February 18th, though, our time to wait around had run out. So we weighed anchor and headed out into the same strong northerly. With all sail set, we were making 4 knots through the water against the chop, though only about half that as progress towards our destination. Around 2AM, though, the wind and chop finally lay down a lot and we made good time under power. As if to make up for a not-so-pleasant night, the sunrise was spectacular! Sunrise on passage to La Paz By midday on the 19th the wind had filled in again, but by then we had turned the corner and were headed west through San Lorenzo channel and then south to La Paz, so we made good time under sail! We reached La Paz by evening of the 19th. We also enjoyed walking around the city and visiting the market and cathedral in the central square. La Paz cathedral We also explored further afield, renting a car and driving through the desert to the oasis town of Todos Santos with its beautiful colonial architecture and miles of golden sand beaches lining the Pacific coast. The area around La Paz is home to a number of whale sharks that feed on the abundance of krill there every winter. Seth and I have always wanted to see these beautiful, shy creatures, so to have the opportunity to snorkel with them was incredibly exciting. The tour operators seem to do a good job respecting the animals and making sure that only people are in the water with one at a time. As we understood it, private boats are not allowed in the area, and it would be too shallow for most sailboats anyway. Plus, the tour was a lot more fun and relaxed than bringing our own boat would have been – we met some fun people not least our enthusiastic and energetic guide! The On Board Baja tour boat The whale sharks are huge – feet! The first group of four people and the guide jumped in and snorkeled towards the whale shark. Once they reached him, they swam alongside for a couple of minutes, kicking hard to keep up with his smooth, graceful, but fast, pace. Then they returned to the boat and the next group of 4 people got to go. We rotated like this throughout the morning so that each group got to snorkel three times. It really was an incredible experience! Whale Shark After dropping off about half the passengers, who had signed up for the morning only, our tour continued out to a rocky islet where sea lions congregate. There we got in the water again to snorkel with these playful marine mammals! There were a lot of them, including a young one that swam circles around us! Snorkeling with sea lions Sea Lions below and above the water Then it was lunchtime, for which we were taken to a lovely white sand beach. After some good ceviche, fruit, and sandwiches, we got to paddleboard around the bay for an hour or two before returning to La Paz. All around a wonderful day! We had fairly light but pleasant wind for tacking out from La Paz pretty much all the way to San Lorenzo Channel and then running downwind back. As we got closer to La Paz and closer to sundown, the breeze started to die so that we were only ghosting along. But Dana, as the racing sailor he is, managed to keep her going in only the lightest

zephyrs! So all in all a great time!

5: Rossed at Sea Part 2 | Jessie Wiki | FANDOM powered by Wikia

A summary of Part One, Section One in Jean Rhys's Wide Sargasso Sea. Learn exactly what happened in this chapter, scene, or section of Wide Sargasso Sea and what it means.

Whether you want to stave off the wait till your next cruise or someone who still has yet to achieve the dream of cruising, sit back and relax as I share my personal experiences both on land and at sea! The ship had been rocking so much during the night and this morning that my shower felt like I was inside a washing machine. Our last Clue presentation was scheduled for 9: The Clue was scheduled once again for the same time as the morning show with Leigh. This time he broadcasted the morning show from the open stage of the Taj Mahal theater inviting anyone who wished to come sit in the theater and watch. He even made jokes about how most of us were probably there for the Clue and not him. During the show, Leigh mentioned that the first person to bring him a breakfast burrito from Blue Iguana Cantina would win a prize. I have a feeling that one of the audience members texted a friend because when the burrito showed up, the woman brought it to the people in the audience first. Fran ran off stage to fetch the right set of cards only to drop them onto the stage in her rush to put them on the easel. Our final towel "animal" At They had a sign at the top explaining that the lower group numbers of would go first and gave a time frame of The time frame for the groups was from By the time we came out of the theater this morning, there was a line from the computer kiosks almost to the theater of people already waiting to be allowed to pick their tags. I heard there was even arguments about who had what place in line. Without a plane to catch and Joni having made arrangements for her husband to come give us a 20 minute ride home, we opted for group 15 after the line had cleared and we were back in the area for the Calling All Nerds trivia. I found one towel creature sitting on one of the counters and a couple on one of the tables. There was remnants of felt eyes and tape on the deck just taunting me! Ahh well, something to strive for on the next cruise I suppose. She came back sipping and making a face at the taste after each drink. Carnival has a whole set of Trivial Pursuit made just for playing on the ship with giant size color wheels, wedges, and a multicolored die. Each wedge in your wheel starts out the color of the category and if you get the question right, you flip it over to reveal the color of your wheel. Since there are only 6 wheels, everyone had to merge into larger groups and meet new friends. We paired up with a couple on their honeymoon and the new bride was in charge of writing our answers on the dry erase board. If they got it right, they could turn that colored wedge over. It came down to several teams being one wedge and our last wedge just happened to be the color of our wheel, yellow. History is not my strongest category but I wished Blake would roll a yellow on that die with all my might. We all started even chanting yellow, yellow, yellow as Blake rolled. It did land on yellow and lucky for me, our history themed question was "Which department store is credited with being the creator of the Rudolph the Red Nosed Reindeer Christmas carol character? Our answer was declared correct and we triumphantly flipped our last wedge in the pie over winning the game. After Big Bang Theory themed trivia, we rushed upstairs to find a quick lunch. I was going to try the deli sandwiches for the first time this trip but as soon as Joni said the words "taco bowl" I did an about face and reported for my new favorite lunch. This was also the chocolate extravaganza day in the buffet and I found cake and chocolate donuts among the choices to hand the crew member dipping our choices into the chocolate fountain. Hey, who let Homer Simpson in here? His story of a rogue wave reaching up to deck 6 was quite interesting. After a while of listening to the talk, we realized that the entry forms to put our Clue answer were sitting on the edge of the stage and Joni went up to grab us each one. A woman in the row in front of us heard us talking and started arguing with us about how there was still two suspects left to choose from. Between the talk, the Clue reveal, and the upcoming Bingo game right after, the theater was filling up fast. When Leigh was done he called Fran up to do the reveal. She made such a big show of lifting up the raffle box in order to draw a name that a slip fell out of the box on its own. She picked it up, confirmed that it had the right answer and declared them to be the winner. The woman whose name had been called came down from the back of the theater and collected her prize winnings of a ship on a stick, a magnifying glass, and the same Hasbro card deck game the losers of Hasbro game night got as well. Rest assured, we responded more politely than that before walking away. Joni

wanted to get some more time lounging in the sun so she headed for the pool deck while I attended Full House trivia. I played by myself but the place was packed so almost every question I had to tune out the group of young girls yelling the answers to each other despite sitting next to each other at the couch next to me. I had a good high score but another lady got all but one question right. Not wanting to play another round of Speak Out, I headed upstairs and took the empty lounge next to Joni. We chatted and polished off the last of my sour gummies before heading back down for Movie music trivia and Scattergories. There was such a large group gathered to play Scattergories that we were only allowed to run one round. Most everyone of my answers got eliminated and I think the woman who won managed to do so by having a super low score.

6: Jessie - Season 4, Episode Rossed at Sea Part 1 - www.enganchecubano.com

Thirty-year-old Ross Chapman is probably both the unluckiest man in the world - and the luckiest. He was alone in his boat fishing 40 kilometres off the northern coast of Western Australia, far.

Using a mixture of the limited spaces of Rapture in BioShock and BioShock 2 with the expanded environment of Columbia from BioShock Infinite allows for more dynamic combat challenges. Returning from BioShock and BioShock 2, the player may carry more than two weapons at a time, [2] and can collect other weapons and ammunition either from defeated enemies or from random locations around the city. Plasmids require EVE, the equivalent of magic points for powering their abilities. We had told it to the extent we wanted to tell it. Elizabeth walking in dressed like Veronica Lake. And I just fixated on that. Freedom of movement along the pneumo-line allows for several varieties of combat, including flanking, cover, and area-of-effect attacks through creative uses of the system. Throughout episode one, the player does not directly control Elizabeth, but instead she scavenges the area for supplies such as ammunition, medical kits, EVE, and other items, and tosses them to Booker as needed. She can also use her Tear-opening powers to aid the player, bringing in weapons, health, EVE, assistance in the form of Samurai warriors, and automated defense units. Only one Tear can be opened at a time, forcing the player to decide between the available options to suit the battle. Episode Two includes a " Mode" in which the player is challenged to complete the episode using only stealth and non-lethal methods of defeating enemies. The mode is a callback to Thief: On the eve of the Rapture civil war, Elizabeth Courtnee Draper asks him to investigate the disappearance of a young girl named Sally. Ryder Smith may have information regarding her whereabouts. Cohen makes them dance as part of a performance piece, but disappointed with their act, knocks them both unconscious. They devise a plan to close all but one vent, then raise the air temperature to force Sally to the last open vent so they can grab her. When Booker attempts to pull her out, he discovers she has become a Little Sister and refuses to answer his call. Sally calls upon a Big Daddy , which then proceeds to attack Booker and Elizabeth. They fight off the Big Daddy, and Booker goes to grab Sally again. Comstock was shamed by the loss and asked the Lutece twins to wipe his memories and place him in an alternate reality where Columbia did not exist; this resulted in his identity of Booker within Rapture. As Booker realizes what he has done, he passionately apologies to Elizabeth, but she does not accept this. As they argue, Booker is impaled from behind by the Big Daddy. She wakes up from a nightmarish vision of Paris in flames to find herself and Sally captured by Atlas Karl Hanover. Atlas prepares to kill her, but a vision of Booker appears, instructing her to say that she knows where to find Dr. Atlas lets her go, taking Sally as a hostage. While exploring the store, Elizabeth finds her body impaled by a piece of reinforcement steel, and realizes she had been killed at the same time as Booker; she still exists as her other alternate selves have collapsed into a single body and lacking her ability to use Tears, a result of her deal with the Luteces to bring her to Rapture. She explains to the vision of Booker that she had seen visions of how to end the cycle of violence by coming to Rapture. The vision, in turn, tells Elizabeth that Suchong is in Rapture, and she must find a way to get there. She escapes and makes it to the top of the building, releasing the particles. The building starts to lift, but Atlas appears and knocks her out. She awakes, finding that she is being injected with truth serum by Atlas to learn where Suchong is. She is given an overdose of the drug and falls unconscious for two weeks. When she wakes, Atlas has launched an all-out war against Ryan. Atlas is now desperate to locate Suchong as the doctor has his "ace in the hole" to be used against Ryan. Atlas sends Elizabeth in to retrieve Suchong. In the clinic, Elizabeth finds the doctor as he harms two Little Sisters, causing a Big Daddy to appear and kill him. Fearing the "ace in the hole" lost, she finds a piece of paper with a coded message, has another vision, and realizes she has found the ace. She returns the paper to Atlas, and decodes the message for him: Atlas orders his men to make arrangements for Jack to come to Rapture, and then delivers a fatal blow to Elizabeth, leaving her alone with Sally. Development[edit] The in-game setting of Rapture is nearly completely rebuilt with very little reuse of BioShock assets. The gameplay for the content was altered to fit the setting and feel of Rapture compared to the larger battles of Infinite. The concept was created by Joe Trinder, a fan and graphic designer, shortly after the reveal of Infinite. The artwork was

redesigned to match the Rapture setting, but further influenced one section of the content where a portion of the city has been converted into a winter wonderland where the Plasmid will be found. Being more of a thoughtful character than Booker, her gameplay focuses more on strategy and avoidance of direct combat, more like a survival horror or stealth game. It was important that Elizabeth did not feel simply like Booker "in a dress". Amanda Jeffrey noted that Elizabeth was the main character of Infinite and Rapture the main character of the first game, and so "Burial" involved "our two leading ladies playing opposite each other". In February , while promoting Burial at Sea: Episode Two, series director Ken Levine stated that the Burial at Sea will leave fans "walk[ing] away pretty satisfied with feeling a sense of completeness", with Courtnee Draper voice of Elizabeth calling it "the wrap-up for the whole BioShock series".

7: Naval Armament and Armor, Part One, Big Guns at Sea |

2 Part One: Athens at sea 3. At the end of each running vocabulary-list, and elsewhere in the accompanying Grammar explanations, you will find lists of words to be learnt.

Lavery 97ff; Manganiello Peterson 14; Glete 27; Grundner ; Corbett ff; Collins. Costs are estimates for new ordnance from Royal Ordnance Inventory for the Army. These in turn affect the aerodynamic characteristics of the projectile. The diameter also strongly affects how much damage the projectile does for a given impact velocity. Shot diameter must of course be at least slightly less than the bore diameter; for a cast iron density 0. The pdr was a popular ACW carriage gun, weighing 27 ½ cwt, and firing either The most powerful gun actually mounted on a ship in the ACW was a 8 inch Dahlgren, weighing 42, pounds. It had an 8 ½ man crew and fired pound solid shot or a pound shell containing 13 pounds powder. Charges were 50 and 35 pounds, respectively. Symonds 36; Heidler ; Canfield. The resulting gap, measured as either a difference in diameter or as an annular area, was called "windage. The French, in contrast, allowed just 0. The shot would rust; the bore would be fouled. Both were subject to expansion when heated, which I would think would especially be a problem for the gun if it had been fired repeatedly. Muzzle versus Breech Loading The cannon barrel is a tube, open at one end muzzle and hopefully closed at the other breech. To load a muzzle loader, it is drawn in, the bore is cleaned, the powder charge and the shot are rammed in at the muzzle end, and the cannon is run back out the gun port. A breech loader has a loading door at the breech end; this is opened, the charge and shot are inserted, and the door is closed. A breechloader could have either an integral chamber, into which the powder and shot were placed directly, or a removable chamber Buchanan ff ; this would be loaded with the powder and shot and then the chamber placed in the breech. The removable chamber looked somewhat like a beer mug. The proponents of muzzle loading and breech loading have engaged in a half-millennium long struggle for ascendancy. The first naval cannon were breech loaders, and Mary Rose carried both wrought iron breech loaders and bronze muzzle loaders. By the early-seventeenth century, the main guns of a warship were all muzzle loaders, but her swivel guns were still breechloaders. Muzzle loaders usually were brought inboard for loading. The longer the barrel, the less convenient it was to load it from the muzzle end, and high-caliber guns tended to have long barrels. A Dutch painting shows this was still going on in While short-barreled carronades were easy to load, they had other problems; the flash could set fire to the rigging, and the vent fire could do the same to the hammocks. For any smoothbore muzzle loader, the shot had to fit loosely in the bore, so it could be rammed down. But when fired, gas could escape around the shot and out the muzzle, and it was also difficult to keep the projectile centered as it moved down bore. Late in the history of muzzle loading artillery, the gas escape problem was reduced by use of a gas check, a thin disk that filled the cross-section of the bore. The most enduring design problem with breechloaders, which had a door rather than solid metal at the breech end, was preventing gas loss at the breech. The more powerful the gun, and the greater the strength of the powder, the greater the pressure that this mechanism had to withstand. In Elizabethan breechloaders, the removable chamber was wedged into the breech. Lucar warns that the gunner "ought not stand upon that side of the piece where the wedge of iron is placed. The vent piece a vertically sliding block was secured by pressure from a hollow screw. To load, this was loosened, the vent piece removed, and the projectile and charge inserted through the hollow. The vent piece was then replaced and the screw tightened. On the chamber side the vent piece had a coned copper ring that fitted into a coned seating. Unfortunately, the success was limited. On a number of occasions the vent pieces were blown from the guns. The guns were also inaccurate. Moreover, the rise of the ironclads demanded an increase in punch, and the imperfect seals of the mid-nineteenth-century breechloaders frustrated this. The British navy conducted comparative trials and in it decided to switch to rifled muzzleloaders! In , one of the guns of the HMS Thunderer misfired; the misfire was undetected and the gun was reloaded, making it inadvertently double-shotted. When the gun fired again, it exploded, killing everyone in the turret. At least for new construction; there were still battleships with big muzzle loaders in active service in Clowes This accident provided the impetus for change, but there were other considerations at work. A new powder that could achieve a higher muzzle velocity had been developed.

But if it was used in a muzzle loader, the shell zipped out before the charge was exhausted. This was actually done on HMS Inflexible Watts 56 ; the muzzle was lowered to an armored loading hatch and the shell inserted by a hydraulic rammer. Normally the threads of a screw engage continuously with those of a threaded screw box. The problem with a continuous screw breech plug is that it can be time-consuming to tighten and untighten. A inch naval gun might develop a gas pressure of 40, psi, necessitating a 1, pound plug. The basic interrupted screw concept was invented much earlier than you might think. In a musket manufactured at Mayence around , "the muzzle portion turns round one-sixth of a circle, and then pulls out a short distance, liberating the breech-piece, which can be thrown back on a hinge. With an interrupted screw, the threads of both are discontinuous, so that there is a screw orientation such that it can be slid into the screw box without engaging. If so, then the screw in the slide-in orientation would have threading only from 3 to 6 and 9 to 12. Once inserted, such a screw would be given a quarter-turn, and then the threads would be fully engaged. The disadvantage of the classic interrupted screw was that it engaged only along half the circumference and thus, to have the same sealing strength as the continuous screw, would need to be twice as long. This disadvantage was largely overcome by the Welin stepped interrupted thread. The circumference of the screw is divided into several 2 to 4 groups. Each group can further be divided circumferentially into several arcs, which progressively increase in diameter, creating a stepped pattern. On the screw, the arcs at the lowest step level are blank, and the other arcs are threaded. You slide the screw in and then turn it to engage. Actually cutting a Welin screw must have been a complete bear. In canon, there are post-RoF-manufactured breech-loading rifles as of Flint, Weber, , Chap. Smoothbore versus Rifled The cannon in use as of the RoF have smoothbore barrels, which means just what it says. However, the barrel of a firearm may be rifled—given helical grooves—in order to impart a spin to a projectile. The effect would be to gyroscopically stabilize the flight of the projectile. Rifling was introduced into small arms in the sixteenth century, as we know from a Swiss ordinance: In ordinary shooting matches marksmen are therefore forbidden under a penalty of L10 to provide themselves with rifled arms. Every one is nevertheless permitted to rifle his military weapon and to compete with marksmen armed with similar weapons for special prizes. These rifles, apparently, were used to fire balls, since elongated projectiles reportedly were not invented until The first rifled artillery pieces were probably those of Cavalli Quartstein The metal "lands" between the grooves can get worn down. Manucy 17; Jenkins; Schneller. Even so, there were skeptics. After the Battle of Lissa , Austria vs. Italy , Tegethoff, the Austrian commander, commented, "the lack of results on the part of the enemy have shown that smoothbore guns on the sea have much more value than a rifled one, since a rifle requires for best results at long range a still position, difficult to find on the sea. The driving force for the adoption of rifled guns appears to have been not so much increasing effective range but that they could fire an elongated shell, thus one carrying more explosive for a given caliber. But it took perhaps two decades to perfect heavy rifled cannon Bell 44; Lewis 65 , and Dahlgren smoothbore-armed Civil War vintage monitors were placed on coastal defense duty during the Spanish-American War. In order to apply spin to the projectile, it must somehow engage the rifling. With small arms, the bullet could be made of lead, which is malleable. There were two problems with making artillery projectiles out of lead. The first was that lead was expensive, and the second was that lead, being soft, would foul the inside of the barrel. A number of expedients were tested in the nineteenth century. A lead coating on the projectile was introduced by Baron Warhendorff in the s. The British nonetheless used this system with breech loaders. Whitworth and Lancaster made projectiles with twisted side faces to match a twisted bore, hexagonal for Whitworth, oval for Lancaster. When mass produced, the rounds tended to jam in the bore. The Confederates used some Whitworth rifles. For rifled muzzle loaders, one had to provide sufficient windage that the projectile could still be rammed down the barrel. One solution Armstrong, was to provide the projectiles with studs to engage the grooves of the rifling. The engagement is reliable but the projectile must be studded to match the twist in a particular gun, and the gun cannot have increasing twist. Also, the grooves must be wide and deep to accommodate the studs, and that weakens the gun, whereas the studs increase air resistance to the projectile. If the studs were taller than the depth of the grooves, there would be a clearance between the main body of the projectile and the lands the uncut portions of the bore between the grooves. It was discovered that the copper gas check I mentioned earlier not only reduced the gas loss from

windage, it also engaged the rifling. It was used in rifled muzzle loaders, but it was found advantageous to make the grooves shallower and more numerous than in a breech loader.

8: All at Sea, Part 1 - The Adventures of Aleta

Part 1 - All the Men In the Sea: The Untold Story of One of the Greatest Rescues in History. Posted on. To the men of the Captain John, the Seabulk North Carolina.

How much cheaper are these cruises? The stateroom we gotâ€” which has a big window, a king-sized bed, and room to move aroundâ€” was more than that, but still not that expensive. So Annette asked me then what I thought. It was kind of boring. We ate, drank, gambled, read, watched stuff on my laptop, took in some cheesy shows, repeat. Very quickly, we figured out that the average age of passengers on this cruise is at least That makes senseâ€” who has time to take a cruise across the Atlantic in May? At this point in my life, I am used to being one of the older people in the room, especially in a classroom. While there are a fair number of people about our age and younger, it often feels a bit like visiting an assisted living facility. Many of my fellow cruisers shuffle by slowly or have canes or walkers or wheelchairs or little scooters. It would start out seemingly normal, but very soon, once people started falling ill, it would be clear that many of the passengers were turning into the undead. A number of ways to twist the plot: Second, since there are no firearms on board and not a lot of other handy weapons, how would you stop the zombies? Clobber them with a deck chair? So other than small-talk, we tend to keep to ourselves. Most of them are in their 20s or so and from all over the placeâ€” Eastern Europe, the Caribbean, a lot from India and Indonesia. Speaking of what the service crew earns: On the other hand, these fees and taxes and tips mean that ridiculously low price for the cheap rooms is a bit of a myth, especially since a week at sea tends to make drinking seem like a good idea. First it was smooth; then it was six foot waves; then nine; then, about halfway across fifteen to twenty foot swells. Everyone was wobbling around and grabbing on to whatever, and there were barf bags posted on the stairwells. The wind on deck made it difficult to walk. Mostly, the rough seas irritated me. More on that later.

9: Jessie â€“ Rossed At Sea: Part 1 - Video Dailymotion

Syncros uncorked one of the showstoppers of this year's Sea Otter Classic with the new Silverton SL carbon wheelset. Aimed at XC racing, the new 29ers feature carbon fiber spokes that are co.

June 15, June 15, With our newfound confidence in estimating the unpredictability of the weather, along with subtropical depression Alberto wreaking havoc in Florida, we decided that we better pad our schedule back to the United States by a few days. Tom, aka The Commodore, had joined us in Marsh Harbour and was by now thoroughly shaken down, or at least shaken, and ready for anything. The outer islands of the Abacos sat happily on the far eastern limit of the storm. The things that Carol can do with a few limes, some ice, ginger beer and rum are legion. Chief among them is efficiently and deliciously ensuring that the crew gets their grog and their anti-scurvy medication in one, long, shot. Tom began life as a jumble of cells somewhere in the upper left hand side of North America, but that was longer ago than this blog has time to account for. We were excited to have Tom join us. As a volunteer and redoubtable sailor, we looked forward to sharing the best parts of our cruising experiences, while also taking advantage of his largesse and third-handedness for the big crossing back to the States. Our original plan, pre-Alberto, was to hitch a lift on the Gulf Stream as far north as we could and then take the dominant southwesterlies on into Marion, Massachusetts. Pilot charts are wonderful things for showing the average weather pattern and thereby encourage this kind of daydreaming. Quite where and when Alberto would make landfall, or more important in our case, when and where his remnants would exit the continental United States, was a keen topic of conversation at the start of the week. Forecasts changed hourly and anything more than 24 hours out was laughably inchoate. Chris Parker is a weather router. He provides bespoke forecasting services to cruisers all over the world and generously broadcasts his synopses for all to hear. By the time Wednesday rolled around it looked like our best bet was to head to the Gulf Stream and thumb a ride, at least as far as Beaufort, North Carolina. There we would decide if we could continue on or if we should stop and wait for the next weather window. To that point, we had spent a couple of productive days exploring the Abacos, including a very enjoyable two-night stopover at Mangoes Marina in Marsh Harbour. Marsh Harbour is also shallow. There we picked up a mooring ball and all piled into Nell so that we could get off and explore the island. The one street going through town led us to Nippers pub on the ocean side and back to Grabbers restaurant and bar on the bay side, with a stop in between. The view from the deck at Nippers was spectacular. A white sand beach stretched luxuriously in both directions. The beach is buffered from the ocean by large coral heads that are part of the third largest reef in the world. The water shifts from green to blue to sapphire and breakers a half mile off the shore give a good indication of the risk and opportunity for boats and divers respectively. Green Turtle Cay lies north of Great Guana across a phalanx of dangerous, shifting sands that forced us out to the ocean and around Whale Cay. Having decided to leave a little early, we fueled up and bought last minute provisions in preparation. One of the more interesting distractions on Green Turtle Cay is a tidy little memorial park dedicated to loyalists from the American Revolution. My early education in the United States conveniently overlooked that, yes, there were colonists loyal to the King. Thursday arrived sunny and calmer than predicted, so we hoisted the iron genoa turned on the motor and began our first four-day non-stop cruise. Carol had asked both Tom and me what our greatest concern was. Meanwhile, pesky details like watches, how long and in what order, were yet to be fully worked out. Between three people that means at least one of you is getting a full six hour stretch in their bunk. Our reward was nights lit by a waning moon across silkily dark seas, indented by beautiful red sunsets and deep orange moonrises. With the engine on, the best place to be was in the cockpit communing with the stars. By the time we met the Gulf Stream near Cape Canaveral shipping traffic bound for the Bahamas was almost non-existent, in fact seeing another boat of any kind was a surprise. Occasionally a ship would pop up on the chart plotter via the Automatic Identification System. Thanks to the invisible hand of nature in the form of a four-knot push from the Gulf Stream our speed picked up to 11 and even 12 knots at times. We missed it sorely when we reached the border of South and North Carolina where the Cape Fear River seems to scumble the current into wooly eddies. By that time Alberto had split into several parts, including a series of squalls

headed back south towards us. From our vantage point we could see thunderstorms and showers reaching the shoreline and mostly grind to a halt. Lightning flashed across the sky, from cloud to cloud in a silent show. Brilliant flares of sepia-gold, and blue-white lit up the interiors of the fluffy grey thunderheads, just far enough away to be entertaining. As late afternoon on the third day turned to evening, I spotted a line of weather that had broken free of the land and looked like it might cause a bit of trouble if it headed our way. It headed our way. Carol and I have learned that Aleta is very comfortable in 25 knot winds and four-foot seas with a single reef in the main while adjusting the jib as conditions dictate. Peaking at a full 35 knots, the squall passed behind us in less than an hour. The thunderstorms continued their show well out to sea. Aleta never felt uneasy or overpowered. Eventually, the wind dropped to a more comfortable 25 knots and things settled down for the evening. Putting into Beaufort seemed the best course of action.

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