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Langdon 15 1/2 miter box

About ten years ago, I acquired a small mitre box that I now learned was Millers Falls Langdon Model 16 1/2 with Disston originally 16 x 2 looking at the blade (see catalog page). Because the chainsaw now measures 1-3/4 under the spine, it is no longer cut under the bottom plate. I added a sacrifice board and adjusted the height of the chainsaw guide and used it that way for years. Today I dismantled the box, cleaned with wash and stirring brush, and steel wool. The box frame didn't seem painted, so I didn't do that, but didn't touch it with gun blunting. I made a new cherry bottom plate that was 1/8 inches higher than the original dark green bottom plate. Millers Drops Langdon Miter Box Model 16-1/2 before cleaning and new bottom plate. This is an image before, showing an un slotted lift that helps distinguish this as Millers Drop Langdon Miter Box Model 16-1/2 versus model 15 1/2. This is the image After. Millers Drop Langdon Miter Box Model 16-1/2 after cleaning and plate bottom of the new cherry. The new bottom plate is slightly thicker than the original to offset the declining height of the sawn blades for sharply over the years. This is an image after. Note that I have installed the lift upside down because I needed a saw guide as low as possible to offset the height of a reduced chainsaw knife due to sharpness. Original Elevator Installation Lift Installation Modified Welcome to Langdon Miter Box Reference. The website aims to help those who want to research the famous hand miter boxes of Langdon, Langdon Acme and All Steel hand miter boxes mainly sold by Millers Falls Company within 100 years of starting about 1872. The galleries contain sample pictures of representatives of various miter box models as found today. The Blog Page will take you to the latest additions to the site. Catalog, the Manual page should be its own explanation. The Product Timeline page has an important date guideline view in the development and production of these tools. There are pages that have information about the types of saws and delivery boxes used that day. The Links page provides further channels for online research, starting with the corporate history of Langdon Miter Box and Millers Falls Company. If you have questions about something you've read here, or have information that you think should be published here, or corrections to what's found here, then please use the Contact form. This website does not have any connection with The Millers Falls Company or to any other product or company. It is built primarily because of what online information exists about these specific tools does not or located in the center. Most of the material contained in these sites has been generously provided by aficionados tool in response to questions made of them. Readers of this website who have additional information to share (legally) are picked up to use the Contact page. To what extent other materials are found online elsewhere, appropriate hyper-insidation for existing ingredients has been provided. At just 12 inches long, this is the smallest known metal miter box. The telltale difference between the two models is the slightly larger depth of the cut and the unique force of the stop depth on the 15-1/2 model. 1925millersfalls4 Model 15-1/2 This first specimen appears to have lost its depth. Photo by Ben Bama, Seattle, WA. However, if you look carefully at the catalogue ads at the beginning of this article, you will notice that the depth break is a flat bar that has two slots. Here are some close-up pictures of another specimen, the ishan Jon Hall. Model 16-1/2 Alternatively, it is a 16-1/2 model that bears the usual L-shaped breaks, as seen in the following specimen from the website author's collection. 08-29-2015, 9:01 PM #1 I just scored a nice little goal 16-1/2 MF Mitre Box. I want to know what the original color scheme is. 20Mitre%20Box I didn't start cleaning it but the actor's iron part seemed to have some black paint and a green painted wooden platform (although this could be a replacement). I'm not entirely sure if the date of this box might be before 1917 (based on the Disston medallion) I've seen more recently 16-1/2's paint the Red and Black standards, however I've also seen langton's great beginnings painted black with a green wood platform. Anyone have any ideas? Google Sponsors Google Sponsors 08-30-2015, 3:02 PM #2 Niels. I saw that one on eBay. I think the price is good remember it came with a chainsaw. Here is #15 1/2 pre-re-built .. I am uncertain about authenticity in my reconstruction (therefore not restoration). The original one was a bit drab - I hate to say it, but you look the right colour. I've made a few small changes - nothing that shouldn't be returned to origin. I finished building the saw, and then would post it all. Things from Perth Derek 08-30-2015, 4:50 AM #3 Derek. I suspect I'll end up disingling this little box well beyond the original specifications, but I'm still interested in what's right as a reference point. I have examined it more thoroughly and I now believe that the breaker may not have been painted at all. It is made to have been overused with some kind of protective lacquer that has gone yellow giving the metal parts a brown appearance (almost no rust). This is evident from finishing under the paper sticker. Green paint of the wooden platform is also brought under abrasion (which appears to have been used directly to paint). I believe this is right, right, color scheme. I have - 1887-1905 Langdon Adjustable and Langdon New Improved that I haven't touched yet. They both have green parts (even if they look almost black now). I believe 16.5 is newer 5-10 years newer than they are, but before they turn to red and black (like you). Your box is a later variant, with more sophisticated guide stops and more established leg breakers. Chainsaws are in fine form, the plate needs to be squeezed, but the teeth are in good shape. Although I thought about replacing the saw plate with a blade with 2-1/8 under the back or saving a bunch of huffing and puffing and simply ordering a replacement from LN or Bad Axe. This chainsaw has 1-7/8 and may just be able to take the full cut if I remove the gauge of depth. Replacing the platform with a thicker piece will also resolve the issue. Aus so krummem Holze, als woraus der Mensch gemacht ist, kann nichts ganz Gerades gezimmert werden. 08-30-2015, 9:01 AM #4 The Following Hi Niels is more information. Firstly, the difference between #15 1/2 and #16 1/2 of your lies is the stop of the depth and depth of the cut, otherwise they are the same size ... Link for the above: in Here's a link to a slideshow for #15 1/2, which has a color shot. From Perth Derek 08-30-2015, 3:21 PM #5 Originally Posted by Derek Cohen Hi Niels Here is more information. Firstly, the difference between #15 1/2 and #16 1/2 of your lies is the stop of the depth and depth of the cut, otherwise they are the same size ... Derek Yes which is the difference between 15-1/2 and 16-1/2 in later models. However, I refer to the difference between the previous model and then. These differences can be seen in the thickness and casting style. Here's a picture of the same vintage 16-1/2 casting legs like you along a side mine. Langdon 1880-I also had the same foot style. These legs are often found damaged or repaired, hede the beef until casting in later models. Aus so krummem Holze, als woraus der Mensch gemacht ist, kann nichts ganz Gerades gezimmert werden. 08-30-2015, 7:57 PM #6 want to add a little of this thread. I've managed to get one box 16-1/2 and some boxes 15-1/2 mitre over the last few years. Here are some photos of 16-1/2 side by side with 15-1/2 (this will be overturned for some reason, but I hope that this is my bug and not a given way). IMG_5228.JPGIMG_5227.JPG As it turns out, the difference between not only at the depth of cutting. 16-1/2 varies in each dimension other than width (12 inches); casting seems different (shorter, slightly less thick in parts); and saw risers also differ from size. Feet differ in the way your picture above has been shown. All of the 15-1/2 boxes I saw had a bedside painted red. My 16-1/2, like you, has a green edge. So, I'm not sure whether the differences have to do with changes over time, or the differences between the two models. I started to suspect that the latter really drove this. (On a side note - 16-1/2 I lost removable height stopped for both arms. Are you ready to share some specifications and dimensions for this, and any pictures that can help? I was thinking of getting these parts 3D printed. Thank you!) -Josh 08-30-2015, 8:28 PM #7 Hi Josh, It's very exciting and a nice addition to the puzzle. Hopefully someone with a red/black 16-1/2 will appear for comparison. Also the initial catalogue of MF has been seen having 15 and 16 listed, but I didn't see one with a smaller model image other than the one Derek posted above. Maybe someone is out there with a repetitive repellent that can shine some light. Also tell me which parts you need a dimension to, I'll be happy to help. It would be easy enough to slap alongside a card/drawing model for you. Aus so krummem Holze, als woraus der Mensch gemacht ist, kann nichts ganz Gerades gezimmert werden. 08-30-2015, 9:17 PM #8 Originally Posted by Niels Cosman Hi Josh, It's a very exciting and nice addition to the puzzle. Hopefully someone with a red/black 16-1/2 will appear for comparison. Also the initial catalogue of MF has been seen having 15 and 16 listed, but I didn't see one with a smaller model image other than the one Derek posted above. Maybe someone is out there with a repetitive repellent that can shine some light. Also tell me which parts you need a dimension to, I'll be happy to help. It would be easy enough to slap alongside a card/drawing model for you. Agree there seems to be little if any information describes changes in the design or differences between models. The only document I saw was the one Derek posted. And before your postal mine was the only 16-1/2 I saw (and didn't have a chainsaw). I love a good puzzle! Thanks for the offer to help me determine the parts - that's very helpful! I lost the depth of stopping, as shown in this picture from your feed. Any details you can provide will be more appreciated. Think of trying shapeways for 3D printing. Anyone out there has experience with this sort of thing? 08-31-2015, 1:19 PM #9 Originally Posted by Josh Any details you can provide will be more appreciated. Think of trying shapeways for 3D printing. Anyone out there has experience with this sort of thing? Hey Josh, I'll make a painting this afternoon/evening. You can form it, but it can be easily made with some basic metal work tools (files, vise, drills, files, perhaps dremel). If any any part you need to replace it or repair, that one will be the easiest. Aus so krummem Holze, als woraus der Mensch gemacht ist, kann nichts ganz Gerades gezimmert werden. 09-01-2015, 8:00 AM #10 Originally Posted by Niels Cosman Hey Josh, I'll make a painting this afternoon/evening. You can form it, but it can be easily made with some basic metal work tools (files, vise, drills, files, perhaps dremel). If there are any parts you need to replace it or repair, that will be the easiest. Hi Niels - Thank you! You are right that this will be one of the easiest parts to replicate by hand. I've just had no experience with metal work and so little is intimidated by it. Shapeways seems pretty affordable for stainless steel parts so I'm interested... There is no bite yet on the mystery of the mystery of the mystery box. Hmm. 09-02-2015, 5:25 PM #11 Hi Josh, Here are two paintings for front and back depth stops. The back depth stop has a slightly different profile at the top. At first I thought this was broken, but the original paint/coriander was intact. The front stop fits the rear guidance handle without any distractions. It wont allow me to upload 3D files, but if you PM your email, I can send it to you. I saved parts of 3D as .SLDPRT (solid work section) if you need another format for shapeways or .dwt/.dxf files I can easily deliver. The modified back feature is saved as a configuration called Back in a section file. Cheers! Attached Aus Files so krummem Holze, als woraus der Mensch gemacht ist, kann nichts ganz Gerades gezimmert werden. 09-02-2015, 9:28 PM #12 Niels - Wow! Thank you very much for this! I wish I knew how to do this. I need to carve out some time to learn. I appreciate the whole time you put in this model. I'm afraid I don't know anything about 3D file types, but here's what I found on shapeways: Shapeways accepts the design in STL, OBJ, X3D, DAE, Collada or VRML97/2 (WRL) If it's not too much of a problem, I'll really be grateful if you can send me a model in one of these formats. Again - thank you for all your efforts this - is absolutely appreciated. Regarding different shapes, I noticed that the attachment point for the rear handle is closer to the back of the handle than at the front, so I suspect that you are right - the shape must be inflicted to allow the saw to clear the slot. Now, some news from my side: see what's attached to see what's arriving in today. I think I've booked a section box for my existing 15-1/2 (because this is missing risers at all, and the chainsaw has no handles.) But since it turns out this is another small/green/2 capacity box. Yes, another 16-1/2 with the same features as you (and me). The other thing that peach made me realize that my 16-1/2 box was already different from the rest I saw in it in it have two detents to cut at 90 and 45 degrees, while all others accommodate more angles. So, we get more confirmation that color and size seem to go along, plus a little variant to add puzzles. IMG_5233.jpgIMG_5232.jpg 09-02-2015, 10:11 PM #13 Hey Josh, No worries, it's no problem, it's basically what I'm doing all day. That's really cool about other variants! I guess if you're going to want only two 90 angles and 45 are the ones you want. It's curious that they don't have a second 45 detents on the right. Is the locking mechanism the opposite the same? Aus so krummem Holze, als woraus der Mensch gemacht ist, kann nichts ganz Gerades gezimmert werden. 09-02-2015, 10:21 PM #14 Originally Posted by Niels Cosman Hey Josh, No worries, it's no problem, it's basically what I'm doing all day. That's really cool about other variants! I guess if you're going to want only two 90 angles and 45 are the ones you want. It's curious that they don't have a second 45 detents on the right. Is the locking mechanism the opposite the same? The locking mechanism seems the same. If you look closely at the MF catalog image, the noodle box in the picture only has both notches cut, but the text says that the notch is cut at the most common angle ...