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## Homemade shooting rest plans

August 22nd, 2013 Building your own portable shooting bench is a great do-it-yourself project. You can build a sturdy bench for well under \$100 in materials. Compare that to some deluxe factory-built benches which may cost \$500.00 or more. FREE Bench Plans on the Web You'll find a wide assortment of home-built shooting bench designs (both portable and fixed) on the internet. Renovation Headquarters has links to FREE Plans and building instructions for fourteen (14) different shooting benches. There are all-wood shooting bench designs as well as benches that combine a wood top with a metal sub-frame or legs. CLICK HERE for Shooting Bench FREE Plans Webpage Among Renovation HQ's fourteen featured shooting benches, here are five designs we liked: Reader Jim Jewell has used the eHow bench design shown above. He recommends it highly. Jim reports: "A colleague and I built two of the eHow permanent wood, sturdy benches for our Pt. Phillips Rod and Gun Club in PA, which had outdated benches. I want to tell you that these benches are very stable and a real bargain. The benches cost precisely \$100.00 each using the bill of materials and pressure treated wood. The bill of materials, with careful cutting, using a Chop saw, resulted in almost no scrap wood if carefully measured and cut. The plans are terrific and the benches are great platforms for bench-rest shooting. I made only one modification — I left a 6&#2c2" wing on both sides of the table to mount a spotting scope. Further we added a base of dry QuickCrete or similar fast setting concrete mix material. Add it dry, make sure the table is level and fill in the 6&#2c2" hole. The hole and QuickCrete add maximum stability. The QuickCrete sucks moisture from the ground, hardens in situ, and adds stability to the bench. I can&#2c2"t recommend this design highly enough. It is dirt cheap for clubs on a budget, goes together quickly, the table is very stable and there is no waste if you make precise measurements and cuts. A bag of QuickCrete is enough for two tables adding about \$2.00 to the cost of each table. We plan on building new tables for the whole club for under \$1000. After about a year, with a completely water-free wood in the bench I recommend a coat of Thompson&#2c2"s Water Seal and these benches should last a long time." Heavy Wood Bench That Converts to Three Sections for Transport In addition to the fourteen benches mentioned above, here is an interesting break-down bench design. Call it a "semi-portable" bench. The legs and frame are made from stout 4x4 post segments so the bench is fairly heavy. However, this bench can break down into three (3) sections for easier transport to and from the range. Dado-cut channels assure proper top alignment. This might be a good choice if you plan a multi-day excursion to a location without fixed benches. This three-leg bench design can be made from easy-to-locate materials. Note: The dimensions of this bench are larger than typical fixed benches to accommodate 50 BMGs and other big rifles. CLICK HERE for more details. Do you like the bench in the illustration at the beginning of this story (top right)? This is a prototype design by Chris Byrne of the Anarchangel Blog. For more details, CLICK HERE. Similar Posts: FREE Shooting Bench Plans — 14 Build Your Own Bench Designs BYOB — Build Your Own Bench with 14 FREE Designs FREE Shooting Bench Plans — Eleven Do-It-Yourself Designs Build Your Own Portable Shooting Bench — Step-By-Step Video BYOB — Build Your Own Bench with Free Plans Tags: Bench, Bench Plans, DIY, Free Bench Plans, Portable, Shooting Bench Many beginner shooters, as well as professionals, want to improve their aim and shoot better. A shooting bench helps you to accomplish both of these tasks. While there's a wide array of benches available on the market, you can also easily build one of your own. The right shooting bench plan will help you to achieve your shooting goals.The internet is full of free downloadable shooting bench plans to help you construct a solid bench for under \$100 in materials. Building your own portable shooting bench is a great do-it-yourself project. In comparison, if you decide to buy a shooting bench, you can spend up to \$600 or more — most can be found online.Before we get into our checklist and review of shooting bench plans — among a few of the best store-bought shooting benches — take a brief look at where it all began ...Get Deals on Guns and Tactical GearJoin 70,000 Readers For Our Weekly DiscountsShooting Benches: Early BeginningsSince early 1840, shooting benches became popular when riflemen wanted to hone their skills as marksmen and practice their target shooting. Today, shooting is a well-known sport all over the world where rifles, shotguns, handguns — and even air pistols are used.With that said, if you want to shoot properly, you need to fully concentrate to get the best possible shot. Shooting benches (or tables to some) will help you feel comfortable as you position your gun and aim better.Shooting Bench ChecklistComfortable SeatBefore you buy a shooting bench, think about your priorities ... comfort should be the main concern. A comfortable position is extremely important when you need to concentrate and even wait some time to get the perfect target.It doesn't matter your distance from a target, because if you're in an uncomfortable position, you may miss the target. Always make sure the attached seat of the rifle shooting table you want is comfortable enough for you.Hand RestSome manufacturers use a foam pad to make the seats comfortable. But if you are about to sit there for an hour or so, a padded seat is not enough. Another thing that you need to feel more comfortable with is an adjustable hand rest.An ordinary shooting bench that is made of wood doesn't have this feature so some of its users suffer from a wedged hand. Look for an adjustable hand rest where you can place your hands comfortably especially if you're into hunting.Sufficient SpaceMake sure you have sufficient space when you position yourself and place your shooting accessories. As any target shooter knows, backup ammunition is vital. Therefore there should be ample space on your table for extra rounds. This additional space will also help you concentrate more knowing that your supplies are within your reach.Mobility&#2c2"Mobility may not be a concern if you simply practice your shooting in your backyard. However, if you plan on bringing your shooting bench/table for hunting — invest in a portable one.If you're a hunter, you know that moving around and chasing after targets is very common. In this case, a lightweight shooting bench is your best bet. In addition, some portable benches include straps for carrying, while other movable shooting rests can be broken down and placed inside a bag.Shooting Bench Plans: Permanent and PortableA bench's durability determines the type and amount of materials you'll need to complete the project. If you prefer your shooting bench to be a permanent installation, you'll need to construct it using weatherproof wood and rust-resistant hardware — including screws, nuts, and bolts.A portable bench, on the other hand, is one that you can assemble at the shooting range. You can then fold it up and disassemble to take with you until you need to use it again.If you go for the portable option, consider using both wood and steel for your project. You'll need a ½-inch plywood top mounted to a collapsible steel frame — this will be sturdy and light enough to load into your vehicle.Design Options/Special FeaturesWhen you visit your range, have you ever taken a close look at the shooting benches? Perhaps they've been designed by shooters just like you. It's a good idea to sit at their shooting benches and see if they're not only comfortable but also user-friendly.Next, jot down some measurements and draw diagrams of these benches. These notes will help you in preparation for your DIY bench. Take pictures and make a checklist of your likes and dislikes.In regards to a permanent installation, features such as a roof can provide shade on hot days, rain protection on wet days. These add-ons will increase the life of construction. Installation on a concrete pad will add stability and expedite retrieval of the spent brass.Lastly, you can include bullet holders, padded seating, weatherproof storage for ear and eye protection, and other supplies for your ideal shooting session. Have fun with it — your DIY bench will be unique to your needs!Top Three Shooting Benches: 20181. X-Stand X-Ecutor Shooting BenchThe X-Stand is a terrific option if you need a quality shooting bench. The X-Ecutor is easy to carry and simple to use. It features a foldable function for easy storage — and you can even hang it on your wall or any other useful area.In addition, the gun rest is completely covered with non-scratch rubber padding, including handy pockets on each side. Finally, the X-Ecutor has an adjustable knob for improved elevation and tuning — simply perfect for both left and right-handed shooters.Features and Specifications:Slip-over non-scratch and non-skid rubber coatedSolid steel constructionWide and spacious to place guns and aim properlyMulti-purpose pockets for ammunition, shooting accessories and more!360° swiveling seat (can be pushed higher or lower to tuning knob and rotating rifle rest)Convenient for left and right-handed usersHeavy-duty bench top and seat for light to heavy loadsPortable / lightweight folding systemEasy transportCheck the best price online!ProsDurable steel constructionEasy to store and transportBudget-friendlyVery portable and user-friendlyConsNo backrest supportTakes up space2. Caldwell Stable TableThe Caldwell Stable Table is a favorite among customers. This shooting bench is simple to use, adjustable and priced just right. Known as one of the best benches for shooting on the market, the Caldwell Stable Table is known for its basic yet integrated shooting rest, flexible seat, and very stable tripod. The result is an excellent shooting stand.This shooting bench has been tested time and again and proven for its excellence. The end result is a remarkable product way above and beyond shooters' expectations. Finally, the Caldwell Stable Table delivers a quality, reasonably priced product.Features and SpecificationsMade from water and chemical-proof polymerPadded for more comfortAdjustable for terrain levelingAdjustable from 16 to 22 inches higher to fit shooters according to the heightQuick to disassemble thanks to quick release pinsThe frame is constructed from solid metal to ensure durability and stabilityCheck the best price online!ProsEnables 360° movement to shoot in all directionsFewer joints enable users to maximize it for other shooting typesConsQuite heavyNot very stableThe table tends to shake while shooting3. BenchMaster Shooting TableThe BenchMaster Shooting Table is rugged, durable and made of the finest quality materials. If you're looking for a shooting bench that really delivers, the BenchMaster Shooting Table really delivers. Like many other brands, the BenchMaster Shooting Table is also compact and easy to store when not in use — simply fold it, grab its handle and you're all set.Whether you are a newbie, intermediate or veteran shooter, the Benchmaster Shooting Table is a smart investment. In addition, this shooting bench is perfect for practicing long-range and target shooting. Lastly, the shooting table's legs are made from durable solid steel for ultimate longevity and stability.Features and Specifications:Easy fold-upSpacious table topPlenty of room for shooting accessoriesAdjustable for many comfortable positionsSturdy carrying handle12 adjustment settingsSwivel seat extends from 8 to 19 inchesLifetime warrantyCheck the best price online!ProsVery portable and easy to carry aroundSmart, sleek and classic designNo tools required for assemblyAdjustable swivel seatAdjustable legs to level your shootingConsNot the best stabilityDoesn't include gun supportFinal ThoughtsWhether you choose to build your own shooting bench or purchase one from Amazon, your shooting experience will be more productive and fun. Your aim and accuracy will improve and you'll wonder why you didn't make or purchase one sooner!A word of advice — always think of other important things that you need to keep within your reach, while positioned comfortably. To find the best shooting bench for your lifestyle, simply consider your shooting needs. How often will you use your bench? Will you use it for hunting or for target practice?And remember, a shooting bench is just one thing you need to improve your shooting skills. You also need good ammunition, an accurate rifle, good targets, and a lot of patience.After all, the tactical shooting bench you ultimately choose needs to be comfortable and easy to use as well as set up. Lastly, consider portability ... the last thing you want is to haul around a bulky product. Stick to your guns and buy what's right for you! Good luck!Related Reads: Why Go and Buy a New Gun Rest? \$300 \$500 Dollars?! Decided To Make One. total Cost \$40 DollarsIn Using Metal Tubing 2/3 4 inches by 1 And 2&#2c2" inches Long.4 Used a 2&#2c2" inch long Rectangle pc of metal tubing for the body. On one end i welded a 4 inch pc Going up.This is the Back support and i also welded two triangle Pcs For extra strength On the bottom of the back support i put a 1 inch long nut and a long Bolt to adjust the Back Up and Down The Front has another Pc 5 inches Tall and two one inch long Nuts to hold the screw that makes the top moveUp And Down.i welded a small triangle on the bottom of the front Pc For extra support.And a 4 inch long plate that supports the Front of the gun.But after making it it moved way to much so i changed the design Found a door hinge and this worked perfect No more movement.5 by moving the screw the plate moves Up And Down notice the stained wood that will hold the Foam.This foam came from a foam mat.using my band saw cut the Pcs for the front and back supports last step Some Matt Green Paint and she is Done.Rectangular Metal Tubing 40 inches long by 2 3/4 and 1 inch3mm thick metal for the Legs and top base.3 1 " long Nuts and Two 5 " BoltsFoam.Ribbets, Ribbet Gun,Rubber,Grinder,Bech grinder,Band SawSafety Gear. glasses,Boots , Gloves,Ear muffsWelding Machine.Paint Respirator, Now Go And Make Something.Made a Cardboard template and then Cut the Legs out of metal. Two of them.were:rd the legs to the Body and place a bottom base on the legs This post contains affiliate links. If you click and buy we may make a commission, at no additional charge to you. Please see our disclosure policy for more details. Are you a shooting enthusiast? Attending plenty of backyard afternoons with your best pal where you're shooting bottles, fruits, and probably even birds? Or do you make frequent trips to your forest cabin and give hunting a fair shot? Consider checking out these DIY portable shooting bench plans. There's no better shooting experience than what comes with a platform for accuracy, stability, and in turn precision. Most of these benches are super easy to build and can be done in a day's work. Never worked with wood earlier? This woodworking guide will assist you in building a solid portable shooting bench, both in appearance and construction. Being portable, all of these DIY shooting bench ideas are compact in structure, lightweight, and offer a quick-open and quick-close functionality. Rather than wasting a hoard of bullets and cartridges, simply get a shooting bench. This assures that each shot counts and you're not aimlessly firing bullets. Besides, you also get an exceptional grasp of your aiming skills. 10 Best DIY Portable Shooting Bench Here are 10 of the most effective DIY portable shooting bench plans to help up your firearms game: 1. Sturdy DIY Portable Shooting Bench This plan comes with a technical drawing indicating ideal measurements for the shooting bench. Along with the materials and every little detail that you'll need to cater to, the DIY plan can be completed in under \$75. Weighing 55 pounds, you can make the legs foldable and have precision shooting experiences as your reward. Don't forget to weld a cap at the end of each leg, this prevents dirt particles from collecting and ruining the alignment of your bench. Make sure the end product is refinished using quality polyurethane coating. Supplies: Three legs 31" long, 1 ½" galvanized pipesTwelve stainless steel bolts 2 ½" x 3/8"Three 1 ½" couplingsTwelve nylon lock nutsThree 4" x 4" x ¼" steel plates 2. Portable Swivel Top DIY Shooting Bench You can break this shooting bench down and carry it wherever you like! It comes packed with several highly valuable features that even a commercial product may not offer. Apart from building a portable swivel top, you can also use the rear leg to adjust the elevation of this shooting bench. This guide also shows you images showing the unassembled components! It will provide you with a visual assurance that it seamlessly fits in a large duffle bag. Even better, you can attach it to a receiver hitch extension, fold the bendable legs, and take it across locations. 3. Super Comfy Shooting Bench Plans The segregation in steps makes this complex-looking shooting bench an easy to build a piece of equipment. The guide is divided in a systematic manner and has 3 steps each for building the top and leg mount, and then assembling both the parts. As you want to maintain the uniformity of the top surface to erase the slightest possible discrepancy in aiming, you need to perform exemplary finishing to prevent damage from weather and rough usage. Either apply Formica or a Marine varnish, or even an outdoor deck weather sealer. If you're looking for something that you may already have, then go for polyurethane varnish. Supplies: 28" x 36" x 1" plywoodThree 1 ½" galvanized floor flangeThree 1 ½" x 30" galvanized pipes with threaded endsThree Screw-on galvanized metal end caps1" x 4 ½" x 24" OakwoodSix each: 2" x ¼" and 1 ½" x ¾" diameter wood screws (attached countersunk heads) 4. Classy DIY Portable Shooting Bench This DIYer calls it a "jury-rigged" portable shooting bench. His creativity sparked him to use an old aquarium for the metallic base. What do you think you can reuse? Apart from the sandbag and sturdy gun resting equipment, this portable shooting bench has ample of features to leave you surprised. Additionally, the number of images through each step of this guide will make this DIY project a very doable task. There are also a few variations once the main structure is built. This gives readers the option to make it into a one-piece shooting bench with a pressure pad, amongst other variations. 5. Attached-Seat DIY Portable Shooting Bench Some digging made us come across a Reddit user who has generously posted free DIY plans for download on his thread. The plans come with ambidextrous capabilities. All the shooter has to do is twist the table upside-down and reverse the seat-locking component. As you will be using plywood, it is of utmost importance to give the final piece a thorough round of coating and sealing. Leaving it exposed could force the structure to rot and lead to ugly-looking swollen ends. This beats the purpose of offering you precision while also throwing your valuable time in the drain. 6. Four-Legged DIY Portable Shooting Bench This is as simple as it can get! No unnecessary burdening parts, just a plain strong sheet of plywood that is sanded to perfection. Be warned, the plan is not as detailed as the rest, but basic carpentry skills should easily take you through this DIY project. Pay extra attention while attaching the legs as even a slight miscalculation would lead to improper foldability. The key is the attach the rear legs to a double thickness of plywood (this helps the leg to fold to a complete flat angle). Read point number 8 in this plan for more expert insight on this step. Most importantly, coat your bench with a heavy/dark color of walnut stain. This kills the chance of any glare while shooting. 7. Quick-Assembly Portable DIY Shooting Bench Despite the quick being in its name, the clean design clearly exhibits the exceptionally simple usage methods for this shooting bench. The yellow legs will fold in the swiftest of manners, and when opened up, they lock into a tight position without having to put in any extra effort. All credits to the metallic sawbucks. They are cheap, sustainable, and offer greater functional characteristics. Don't want to deal with the hassle of bench legs that open up during transport? A Velcro strap could save you from this trouble. 8. DIY Portable Shooting Bench with Leg Rest & Seat. Could you believe this shooting bench can be completely disassembled and even fit under your car seat? Few noteworthy features are its cost-effectiveness, portability. 30 to 40 second assembly, rock-solid built, and its ambidexterity. This plan comes with videos and perfectly crafted drawings, whether you want them with or without dimensions, or even trim ideas. The curvy lower part of the bench provides leg rest to offer the shooter greater stability while searching for precision in his aim. Also, the table has a big enough surface area to place additional equipment or even assemble various guns without much confusion. 9. DIY Winter Swivel Top Shooting Bench A little modification makes this way more than a portable solution. Try and make the single front leg a detachable support structure that can simply be packed in the bag when not in use. Irrespective, the lower body tripod offers more than the required room for the shooter. Besides the swivel top, there is an added raised section on the bench that can be moved as per the shooter's preference. This offers a wide arc shooting angle without having to continuously move the sandbag or the shooter's position altogether. What better solution to make moving targets an easy hit? The DIYer suggests that you don't make an attachable seat as this could disturb your attempts at acquiring accuracy during distance shooting. 10. Elegant DIY Portable Shooters Bench Looking for a full-fledged shooting bench construction that comes with quality attachments in the form on metallic rectangular shaped legs and a minimalist round seating arrangement? This plan may look highly appealing but get ready to shell out more money than what all other plans in this article would need. Verdict You can either work any of these DIY portable shooting bench plans for your backyard firing sessions or for the monthly field trip with the gang. Do you resort to solving your vermin issue with your rifle? Well then might as well build a cheap and long-term shooting bench that is not only portable but also stays with you in the long run. Have a look at the 10 best sliding compound miter saws available in 2021. They will be of great help while building a portable shooting bench. If you have loads of time on your hands and are looking for an out-of-the-ordinary DIY project then consider inspiring yourself with these 18 DIY arcade cabinet plans.

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