

LocoGear

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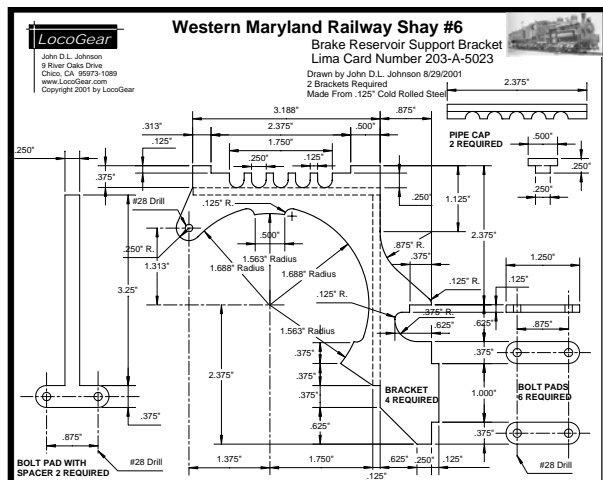
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Scale Drawings Available from LocoGear Listed by Lima Card Number

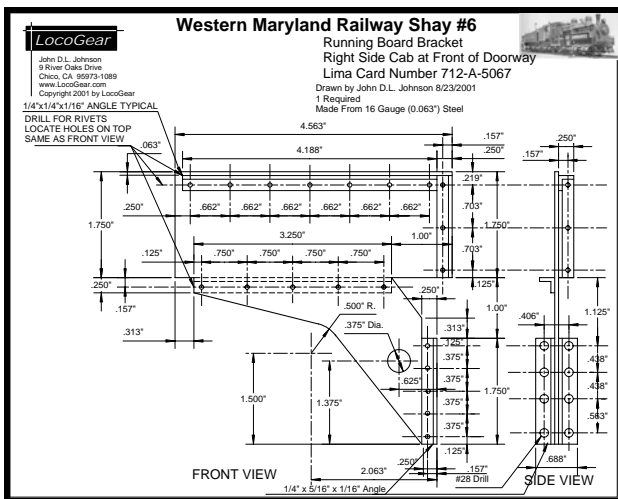
In an effort to provide scale drawings for the model builders of **Western Maryland Railway #6**, the **Greenbrier, Cheat & Elk Railroad #12**, and the **Pacific Coast Shays**, LocoGear has created these drawings with 1½" = 1'-0" scale dimensions. Although the prototype drawings available from Allen County Historical Society and California Railroad Museum are extensive, not all drawings used to build these Shay locomotives have survived to the present.

Most prototype drawings can be used to build the model by simply dividing the dimensions by eight. However, LocoGear has reengineered many of the parts for the model builder to make the model part stronger or simpler to fabricate without compromising appearance or functionality. With such modifications, the scale drawings for the castings offered by LocoGear may be necessary for the model



builder to understand the manufacturing intent when the casting patterns were made.

Some of the drawings in the following chart can be used for more than one Shay locomotive and are so indicated. The symbol **6** is used to indicate if the drawing is used for **Western Maryland Railway #6** and the symbol **12** is used for the **Greenbrier, Cheat & Elk Railroad #12**, and the initial **PC** is used for the **Pacific Coast Shays**. The following chart also indicates if the scale drawing was made by modifying an original **Lima Locomotive Works** drawing or if a new drawing was created. If the part or parts shown in the drawing have a direct relationship to the gauge of the model locomotive, dimensions for both 7¼" and 7½" gauge track are provided.



| Used On Shay # | Lima Card Number | Title | Price | Modified Prototype Drawing | New Drawing |
|-------------------|----------------------|---------------------------------------|---------|----------------------------------|----------------|
| 6 12 | 112-A-5054 | Axle | \$1.00 | | * |
| 6 12 | 182-A-5012/5022/5075 | Bottom Bracket Wedge, Screw, Nut, Cap | \$1.00 | | * |
| 6 | 183-A-5030/5119 | Lubricator Bracket & Plate | \$1.00 | | * |
| 6 12 | 182-A-5031 | Bottom Bracket Caps | \$1.00 | | * |
| 6 12 | 182-B-5044/5064 | Bottom Bracket Crank Shaft Bearings | \$1.00 | | * |
| 6 12 | 187-A-5017 | Bottom Bracket | \$10.00 | * | |
| 6 | 203-A-5023 | Brake Reservoir Support | \$1.00 | | * |
| 6 | 227-A-5003 | Cab Rear Wall | \$1.00 | | * |
| 6 | 233-AB-5002 | Cab Seat Side Plates | \$1.00 | | * |
| 6 | 233-CD-5002 | Cab Seat Side Plates | \$1.00 | | * |
| 6 | 233-EF-5002 | Cab Seat Side Plates | \$1.00 | | * |
| 6 | 314-A-5030 | Cylinder Frame | \$7.50 | * | |
| 6 | 317-A-5009 | Cylinder | Pending | | |
| 6 12 | 323-B-5000 | Cylinder Head | \$5.00 | * | |
| 6 PC | 372-A-5082/5083 | Safety Link Bar & Pins | \$1.00 | | * |
| 6 12 | 372-AB-5097 | Drawhead Bar Guide | \$1.00 | | * |
| 6 | 373-A-5025 | Draft Gear Frame | \$5.00 | * | |
| 6 12 | 373-A-5026 | Drawhead | \$5.00 | * | |
| 6 | 482-A-5215 | Smoke Box Brace Pad | \$1.00 | | * |
| 6 | 482-A-5216 | Furnace Bearer Plate | \$1.00 | | * |
| 6 | 483-A-5069 | Furnace Bearer Rear | \$1.00 | | * |
| 6 | 483-A-5070 | Furnace Bearer Front | \$2.00 | | * |
| 6 | 483-A-5071 | Engine Frame End Casting | \$2.00 | | * |
| 6 12 | 483-B-5072 | Frame Center Plate | \$1.00 | | * |
| 6 | 712-A-5066 | Running Board Bracket Cab @ Front | \$1.00 | | * |
| 6 | 712-A-5067 | Running Board Bracket @ Cab Door | \$1.00 | | * |

| Used On Shay # | Lima Card Number | Title | Price | Modified Prototype Drawing | New Drawing |
|-------------------|------------------|--------------------------------------|--------|----------------------------------|----------------|
| 6 | 713-A-5048 | Running Board Bracket @ Rear R. S. | \$1.00 | | * |
| 6 | 713-B-5048 | Running Board Bracket @ Rear L. S. | \$1.00 | | * |
| 6 | 713-CD-5048 | Running Board Bracket @ Fuel Bunker | \$1.00 | | * |
| 6 12 | 742-A-5019/5020 | Line Shaft Collar | \$1.00 | | * |
| 6 12 | 742-A-5462 | 21" Coupling Ring Bushing | \$1.00 | * | |
| 6 12 | 742-A-5464 | 7" Square Shaft | \$2.50 | * | |
| 6 12 | 742-B-5151 | Line Shaft Brass | \$1.00 | | * |
| 6 12 | 742-B-5466 | 7" Square Shaft | \$2.50 | * | |
| 6 12 | 742-C-5461 | Line & Crank Shaft Couplings | \$2.50 | * | |
| PC | 743-AD-5010 | 14" Coupling Ring | \$1.00 | | * |
| PC | 743-AB-5011 | 16" Coupling Ring | \$1.00 | | * |
| 6 | 743-A-5032 | Crank Shaft Counter Balance | \$5.00 | * | |
| 6 12 | 743-AB-5142 | 21" Coupling Ring | \$1.00 | | * |
| 6 12 | 743-A-5144 | Line Shafts | \$5.00 | * | |
| 6 | 852-A-5005 | Frame End Timber Brace | \$1.00 | | * |
| 6 | 852-A-5007 | Tender Frame Corner Knee | \$1.00 | | * |
| 6 PC | 853-B-5005 | Tender Frame End Casting | \$3.00 | | * |
| 6 12 | 882-A-5011 | Tender Water Tank Funnel | \$1.00 | | * |
| 6 12 | 884-A-5007 | Tender Headlight Bracket | \$1.00 | | * |
| 6 12 | 884-A-5007 | Tender Water Tank Hold Down Brackets | \$1.00 | | * |
| 6 12 | 884-A-5007 | Tender Water Tank Dash Plates | \$1.00 | | * |
| 6 12 | 932-A-5228 | Axle Brass | \$1.00 | | * |
| 6 12 | 932-A-5229 | Truck Yoke | \$2.50 | * | |
| 6 12 | 932-B-5221 | Truck Center Plate | \$1.00 | | * |
| 6 12 | 932-C-5247 | Truck Side Bearing Base | \$1.00 | | * |
| 6 | 933-A-5168 | Wedge | \$1.00 | | * |

| Used On Shay # | Lima Card Number | Title | Price | Modified Prototype Drawing | New Drawing |
|-------------------|---------------------------|------------------------------------|--------|----------------------------------|----------------|
| 6 | 933-A-5169 | Cap | \$5.00 | * | |
| 6 12 | 933-A-5170 | Truck Bolster | \$5.00 | * | |
| 6 12 | 933-B-5064 | Truck Pedestal Left Side | \$5.00 | * | |
| 6 12 | 933-C-5066 | Right Truck Frame | \$5.00 | * | |
| 6 12 | 933-C-5067 | Left Truck Frame | \$5.00 | * | |
| 6 12 | 933-C-5069 | Journal Box Right Side | \$5.00 | * | |
| 6 | 942-A-5103 | Valve Stem Crosshead Guide Bracket | \$2.50 | * | |
| 6 | 942-A-5104 | Valve Stem Crosshead Guides | \$2.50 | * | |
| 6 12 | 953-A-5014 | Wheel Center | \$2.00 | * | |
| 6 | 963-A-5002 962-AB-5022 | Whistle Rigging & Brackets | \$1.00 | | * |
| 6 | | Air Reservoir | \$1.00 | | * |
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