

STANDARD EQUIPMENT SPECIALTIES

The Distribution, by Classes of the Special Equipment Used on Government Cars and Locomotives

THE specialties applied to the standard cars and locomotives built for the Railroad Administration have been published in the *Railway Mechanical Engineer* from time to time during the year. In order to give a better idea of the distribution of the use of these specialties among the various classes of equipment the accompanying tables have been compiled. A few minor changes were made in the original lists showing the distribution of the orders, primarily on account of delivery.

The companies receiving orders for the specialties for the locomotives are shown in the table under the various specialty items and on which class of power these specialties are used. In case one specialty is used on all locomotives, such as the American Arch Company arch, it is so designated.

The table showing the specialties for the cars includes only those for the cars which have been built thus far, as information is not obtainable as to just which of the specialties will be applied to the other cars.

| | SPECIALTIES FOR THE STANDARD LOCOMOTIVES | | | | | | | | | | | | |
|---|--|--------|-------|----------|-------|---------|-------|----------|-------|----------|-------|---------|---------|
| | All locomotives | Mikado | | Mountain | | Pacific | | Santa Fe | | Switcher | | Mallet | |
| | | Light | Heavy | Light | Heavy | Light | Heavy | Light | Heavy | 0-6-0 | 0-8-0 | 2-6-6-2 | 2-8-8-2 |
| Air Brake— | | | | | | | | | | | | | |
| Westinghouse Air Brake Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| New York Air Brake Co..... | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Arch— | | | | | | | | | | | | | |
| American Arch Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Bell Ringer— | | | | | | | | | | | | | |
| Harry Vissering & Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Blow-off Cork— | | | | | | | | | | | | | |
| Everlasting Valve Co..... | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | No | Yes | Yes | Yes |
| Southern Loco. Valve Gear Co..... | No | Yes | No | No | No | No | Yes | No | No | Yes | No | No | No |
| Okadee Co..... | Yes | No | No | No | No | No | No | Yes | Yes | No | Yes | No | Yes |
| Blower Fitting— | | | | | | | | | | | | | |
| Barco Manufacturing Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Robster—Tender Truck— | | | | | | | | | | | | | |
| Pittsburgh Steel Foundries..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Brake— | | | | | | | | | | | | | |
| American Brake Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Brake Beam—Tender Truck— | | | | | | | | | | | | | |
| Chicago Railway Equip. Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Brake Beam Support— | | | | | | | | | | | | | |
| Chicago Railway Equip. Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Brake Cylinder Expander Ring— | | | | | | | | | | | | | |
| H. W. Johns-Manville Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Brake Shoes— | | | | | | | | | | | | | |
| American Brake Shoe & Foundry Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Buffer—Radial— | | | | | | | | | | | | | |
| Franklin Railway Supply Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Bumper—Front— | | | | | | | | | | | | | |
| Commonwealth Steel Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Bushings—Cylinder and Valve— | | | | | | | | | | | | | |
| Hunt-Spiller Mfg. Corp..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Cellars—Driving Box— | | | | | | | | | | | | | |
| Franklin Railway Supply Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Coal Pusher— | | | | | | | | | | | | | |
| Locomotive Stoker Co..... | No | No | No | No | Yes | No | No | No | Yes | Yes | No | No | No |
| Coupler— | | | | | | | | | | | | | |
| National Mfg. Cast. Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Coupler Yoke— | | | | | | | | | | | | | |
| Buckeye Steel Castings Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Crosshead Shoes— | | | | | | | | | | | | | |
| Hunt-Spiller Mfg. Corp..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Draft Gear— | | | | | | | | | | | | | |
| Westinghouse Air Brake Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dust Guards— | | | | | | | | | | | | | |
| W. N. Thornbldg Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Fire Door— | | | | | | | | | | | | | |
| Franklin Railway Supply Co..... | No | Yes | No | No | No | No | Yes | Yes | No | Yes | No | No | No |
| National Railway Device Corp..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes |
| Frame—Tender— | | | | | | | | | | | | | |
| Commonwealth Steel Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Frame—Tender Truck Side— | | | | | | | | | | | | | |
| American Steel Foundries..... | Yes | Yes | No | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Buckeye Steel Castings Co..... | Yes | Yes | No | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Gages—Steam— | | | | | | | | | | | | | |
| Ashcroft Mfg. Co..... | Yes | Yes | No | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes |
| Ashton Valve Co..... | No | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes | No |
| Gages—Steam Heat— | | | | | | | | | | | | | |
| Ashton Valve Co..... | No | No | Yes | Yes | Yes | Yes | No | No | No | No | No | No | No |
| Gages—Water— | | | | | | | | | | | | | |
| Sargent Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Gage Cocks— | | | | | | | | | | | | | |
| Nathan Mfg. Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Grate Shaker— | | | | | | | | | | | | | |
| Franklin Railway Supply Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Headlight Case— | | | | | | | | | | | | | |
| Schroeder Headlight & Gen. Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No |
| Handlon & Buck Mfg. Co..... | Yes | Yes | No | No | No | No | No | No | No | No | No | Yes | Yes |
| Adams & Westlake Co..... | No | No | No | No | No | No | No | No | No | Yes | No | No | No |
| Headlight Equipment— | | | | | | | | | | | | | |
| Fyle National Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Schroeder Headlight & Gen. Co..... | No | Yes | Yes | No | Yes | Yes | No | Yes | Yes | Yes | No | No | No |
| Injectors— | | | | | | | | | | | | | |
| Nathan Mfg. Co..... | Yes | Yes | No | No | No | No | No | No | Yes | No | Yes | No | Yes |
| Hancock Inspirator Co..... | No | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | No | Yes | No | Yes |
| Ohio Injector Co..... | No | No | No | No | No | No | No | Yes | No | No | No | No | No |
| Joints—Metallic Figs— | | | | | | | | | | | | | |
| Barco Manufacturing Co..... | No | Yes | No | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Franklin Railway Supply Co..... | Yes | No | No | No | No | No | No | No | No | No | No | No | No |
| Greenlaw Mfg. Co..... | Yes | No | Yes | Yes | No | No | No | No | No | No | No | No | No |
| Lubricator— | | | | | | | | | | | | | |
| Nathan Mfg. Co..... | Yes | Yes | No | No | No | No | No | No | No | Yes | Yes | Yes | Yes |
| Detroit Lubricator Co..... | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No |
| Lubricator—Driving Box— | | | | | | | | | | | | | |
| Franklin Railway Supply Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Oil Cups—Guide, Piston Rod, Valve Stem— | | | | | | | | | | | | | |
| Hancock Inspirator Co..... | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

| | All Loco-motives | Mikado | | Mountain | | Pacific | | Santa Fe | | Switcher | | Mallet | |
|-----------------------------------|------------------|--------|-------|----------|-------|---------|-------|----------|-------|----------|-------|--------|-------|
| | | Light | Heavy | Light | Heavy | Light | Heavy | Light | Heavy | 0-6-0 | 0-8-0 | 2-6-2 | 2-8-2 |
| Packing—Piston & Valve Rod— | | | | | | | | | | | | | |
| United States Metallic Pack. Co. | | Yes | Yes | No | No | No | Yes | No | No | Yes | No | No | No |
| Paxton-Mitchell Co. | | No | Yes | Yes | Yes | Yes | No | Yes | Yes | No | Yes | Yes | Yes |
| Packing Rings—Cylinder and Valve— | | | | | | | | | | | | | |
| Hunt-Spiller Mfg. Corp. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Reverse Gear— | | | | | | | | | | | | | |
| Ragonnet (Frank Ry. Sup. Co.) | | Yes | No | No | Yes | Yes | Yr | Yes | No | Yes | Yes | No | Yes |
| Lewis (Commonwealth Sup. Co.) | | No | Yes | Yes | No | No | No | No | Yes | No | No | No | Yes |
| Mellin (Am. Loco. Co.) | | No | No | No | No | No | No | No | No | Yes | No | No | No |
| Brown (Sou. Loco. Valve Gear Co.) | | No | No | No | No | No | No | No | No | No | Yes | No | No |
| Safety Bar (Unit)— | | | | | | | | | | | | | |
| Franklin Railway Supply Co. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Sanders— | | | | | | | | | | | | | |
| U. S. Metallic Packing Co. | | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Hanson Loco. Sander Co. | | Yes | Yes | Yes | No | No | No | Yes | Yes | No | No | No | No |
| Harry Vissering & Co. | | No | No | No | No | Yes | Yes | No | No | No | No | No | No |
| Slip Bearing—Tender— | | | | | | | | | | | | | |
| E. S. Woods & Co. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Springs— | | | | | | | | | | | | | |
| Crucible Steel Co. | | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Ft. Pitt Spring & Mfg. Co. | | No | No | No | No | No | No | No | Yes | Yes | No | Yes | Yes |
| Pittsburgh Spring & Steel Co. | | Yes | No | No | No | Yes | No | No | Yes | No | No | No | No |
| Railway Steel Spring Co. | | Yes | Yes | No | No | No | No | No | No | Yes | No | No | No |
| Standard Steel Works | | Yes | Yes | Yes | Yes | Yes | No | No | No | No | Yes | No | No |
| Union Spring & Mfg. Co. | | Yes | Yes | No | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Sprinkler— | | | | | | | | | | | | | |
| Wm. Sellers Co., Inc. | | Yes | Yes | Yes | Yes | No | No | No | No | No | No | No | No |
| Hancock Injector Co. | | No | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Stoker— | | | | | | | | | | | | | |
| Locomotive Stoker Co. | | Yes | No | No | No | No | Yes | Yes | No | No | No | No | Yes |
| Standard Stoker Co. | | No | Yes | Yes | Yes | No | No | No | No | No | No | Yes | No |
| Hanna Loco. Stoker Co. | | No | No | No | No | No | No | No | Yes | No | No | No | No |
| Superheater— | | | | | | | | | | | | | |
| Locomotive Superheater Co. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Throttle Valve— | | | | | | | | | | | | | |
| Chambers Valve Co. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Truck—Trailer— | | | | | | | | | | | | | |
| Hodges (Hildwin Loco. Works) | | Yes | No | No | No | No | No | No | No | No | No | No | No |
| Cole-Scoville (Am. Loco. Co.) | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Uncoupling Device— | | | | | | | | | | | | | |
| Imperial Appliance Co. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Valves—Blower— | | | | | | | | | | | | | |
| Sargent Company | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Valve Gear— | | | | | | | | | | | | | |
| Walschaert | | Yes | Yes | No | No | No | No | No | No | No | No | No | No |
| Pilliod Co. (Baker) | | No | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes | Yes | Yes |
| Southern Loco. Valve Co. | | No | No | No | No | No | No | Yes | Yes | No | No | No | No |
| Valve—Check— | | | | | | | | | | | | | |
| Nathan Mfg. Co. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Valve—Piston— | | | | | | | | | | | | | |
| American Balanced Valve Co. | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Valve—Safety— | | | | | | | | | | | | | |
| Consolidated Safety Valve Co. | | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | No | No |
| Coble Muffler & Safety Valve Co. | | No | Yes | No | No | No | No | Yes | No | Yes | No | Yes | No |
| Ashton Valve Co. | | No | No | No | No | No | No | No | Yes | No | No | No | Yes |
| Valve—Steam Heat— | | | | | | | | | | | | | |
| Vapor Car Heating Co., Inc. | | No | No | Yes | No | Yes | No | No | No | No | No | No | No |
| Leslie Co. | | No | No | No | Yes | No | Yes | No | No | No | No | No | No |
| Ventilator—Cab— | | | | | | | | | | | | | |
| Rushon (Hild. Loco. Works) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Wheels—Rolled Steel— | | | | | | | | | | | | | |
| Forged Steel Wheel Co. | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Standard Steel Works | | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |

SPECIALITIES FOR STANDARD CARS THUS FAR BUILT

| | D. S. Box | S. S. Box | Comp. Gon. | 55-Ton Hopper | L. S. Gon. | | D. S. Box | S. S. Box | Comp. Gon. | 55-Ton Hopper | L. S. Gon. |
|--------------------------------|-----------|-----------|------------|---------------|------------|----------------------------------|-----------|-----------|------------|---------------|------------|
| Angle Cock Holders— | | | | | | | | | | | |
| Western Railway Equipment Co. | Yes | Yes | Yes | Yes | Yes | Davis' 3d Point Suspension— | | | | | |
| Bearing, Journal— | | | | | | | | | | | |
| Magnus | Yes | Yes | Yes | Yes | Yes | Chicago Railway Equipment Co. | Yes | Yes | Yes | Yes | Yes |
| Keystone | Yes | Yes | Yes | Yes | Yes | Door Fixtures (Slide)— | | | | | |
| Haskell & Barker | Yes | Yes | Yes | Yes | No | Camel Company | No | Yes | No | No | No |
| Ajzar | Yes | Yes | Yes | Yes | Yr | Draft Gear, Friction— | | | | | |
| Bostwick & Lyons | Yes | Yes | Yes | Yes | No | Westinghouse Air Brake Co. | Yes | Yes | Yes | Yes | Yes |
| Bearings, Lick Frictionless— | | | | | | | | | | | |
| Wine Railway Appliance Co. | Yes | No | Yes | No | No | Standard Coupler Co. | Yes | Yes | Yes | Yes | Yes |
| E. S. Woods & Co. | No | Yes | Yes | No | No | Union Draft Gear Co. | Yes | Yes | Yes | Yes | Yes |
| A. Stockl Co. | No | No | Yes | Yes | Yes | Keylock Railway Equipment Co. | Yes | Yes | Yes | Yes | Yes |
| Bolsters, Truck— | | | | | | | | | | | |
| American Steel Foundries | Yes | Yes | Yes | Yes | Yes | Dust Guards— | | | | | |
| Buckeye Steel Castings Co. | Yes | Yes | Yes | Yes | Yr | Wm. N. Thornburgh Co. | Yes | Yes | Yes | Yes | Yes |
| Gould Coupler Co. | Yes | Yes | Yes | Yes | No | Ends, Pressed Steel— | | | | | |
| Scullin Steel Co. | Yes | Yes | Yes | Yes | No | Pressed Steel Mfg. Co. | Yes | Yes | Yes | No | No |
| Bettendorf Co. | No | Yes | Yes | Yes | No | Chicago & Cleveland Car Roof Co. | No | No | Yes | No | No |
| Boxes, Journal— | | | | | | | | | | | |
| National Mail Cast. Co. | Yes | Yes | Yes | Yes | Yes | Frames, Truck— | | | | | |
| Gould Coupler Co. | Yes | Yes | Yes | Yes | Yes | American Steel Foundries | Yes | Yes | Yes | Yes | Yes |
| American Mail Cast. Co. | Yes | Yes | Yes | Yes | No | Bettendorf Co. | Yes | Yes | Yes | Yes | No |
| Union Spring & Mfg. Co. | Yes | Yes | Yes | Yes | Yr | Buckeye Steel Cast. Co. | Yes | Yes | Yes | Yes | Yes |
| T. H. Symington Co. | Yes | Yes | Yes | Yes | No | Gould Coupler Co. | Yes | Yes | Yes | Yes | Yes |
| Brakes, Air— | | | | | | | | | | | |
| New York Air Brake Co. | Yes | No | No | No | No | Scullin Steel Co. | Yes | Yes | Yes | Yes | No |
| Westinghouse Air Brake Co. | No | Yes | Yes | Yes | Yes | Hose, Air Brake— | | | | | |
| Brake Beams, Tender— | | | | | | | | | | | |
| Buffalo Brake Beam Co. | Yes | Yes | No | Yes | No | New York Air Brake Co. | Yes | No | No | No | No |
| Davis Brake Beam Co. | Yes | No | Yes | Yes | Yes | Westinghouse Air Brake Co. | No | Yes | Yes | Yes | Yes |
| American Steel Foundries | Yes | No | Yes | No | No | Uncoupling Device— | | | | | |
| Tollet Railway Equipment Co. | Yes | Yes | Yes | Yes | No | Imperial Appliance Co. | Yes | Yes | Yes | Yes | Yes |
| Damascus Brake Beam Co. | Yes | No | Yes | Yes | No | Wedges, Journal Box— | | | | | |
| Haskell & Barker | Yes | Yes | Yes | No | No | Western Railway Equipment Co. | Yes | Yes | Yes | Yes | Yes |
| Pressed Steel Car Co. | Yes | No | No | Yes | Yes | Wheels, Cast Iron— | | | | | |
| Chicago Railway Equipment Co. | No | Yes | Yes | Yes | No | Brass Foundry & Machine Co. | Yes | Yes | Yes | Yes | No |
| Brake Shoes— | | | | | | | | | | | |
| American Brake Shoe & Dry. Co. | Yes | Yes | Yes | Yes | Yes | Louville Car Wheel & Supply Co. | Yes | Yes | Yes | No | No |
| Couplers— | | | | | | | | | | | |
| American Steel Foundries | Yes | Yes | Yes | Yes | Yr | Albany Car Wheel Co. | Yes | Yes | Yes | No | No |
| Buckeye Steel Casting Co. | Yes | Yes | Yes | Yes | Yes | Southern Car Wheel Co. | Yes | Yes | Yes | Yes | No |
| Gould Coupler Co. | Yes | Yes | Yes | Yes | Yes | New York Car Wheel Co. | Yes | Yes | Yes | No | No |
| McConway & Torley | Yes | Yes | Yes | Yes | Yes | Ramapo Car Wheel & Foundry Co. | Yes | Yes | Yes | Yes | No |
| National Mail Cast. Co. | Yes | Yes | Yes | Yes | Yes | Buffalo Car Wheel & Foundry Co. | Yes | Yes | Yes | Yes | No |
| Yokes, Draw Bar— | | | | | | | | | | | |
| Buckeye Steel Castings Co. | Yes | Yes | Yes | Yes | Yes | Brown Car Wheel Works | Yes | Yes | Yes | No | No |
| Union Draft Gear Co. | Yes | Yes | Yes | Yes | Yes | Griffin Car Wheel Works | Yes | Yes | Yes | Yes | Yes |