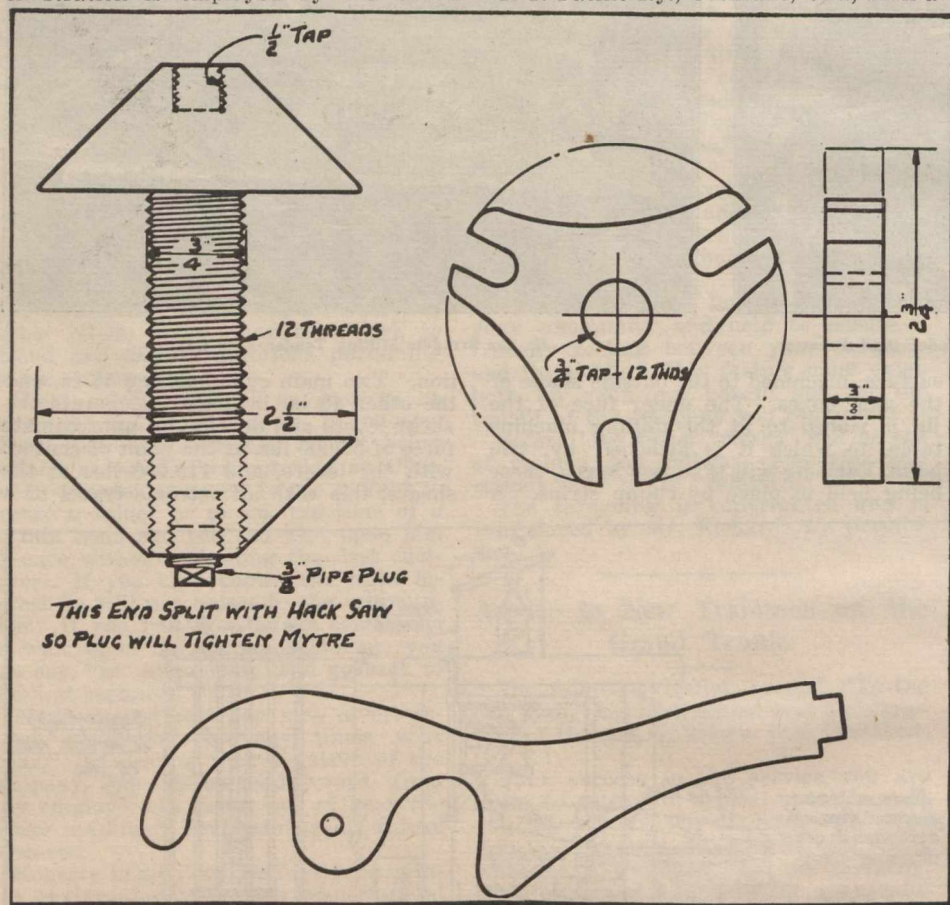


passes this point, diminishing the operating pressure in the cylinder.

The operation of the machine is controlled from an engineman's brake valve, which is so placed as to force the shears down slowly on the drawbar rivet when the handle is in running position. In full release position the shearing effect is a maximum and to release the handle is placed in emergency position. It has been found possible to handle 60 drawbars a day by two men. We are indebted to T. Clegg, Air Brake Foreman C.N.R., for the above information.

Ring Centering Jig for Grand Trunk Pacific.

The device shown in the accompanying illustration is employed by the Grand



Ring Centering Jig.

Trunk Pacific Ry. in its shop at Wainwright, Alta. Its chief use is that of holding various styles of small joint rings, used for valve stems and glands, as well as those for front end steam pipes, dry pipes and headers, which require grinding to finish. Its range is from small rings of valve stem gland packing to those of front end steam joint rings. It will hold rings either from the inside or outside. It is centered and true as soon as the feet grip the ring. By turning the leg carrier up and down on the spindle the feet are spread or contracted.

It was developed by W. W. Yeager, now Locomotive Foreman at Biggar, Sask., when he held a similar position at Wainwright, Alta.

Scotch Railway Rates Increased.—The Caledonian and North British Railways have raised their rates from all their stations to other stations in Scotland, to the maximum, less 10%, where the maximum rates are not already in force.

Birthdays of Transportation Men in June.

Many happy returns of the day to:—
 Jas. Anderson, Manager, Sandwich, Windsor & Amherstburg Ry., Windsor, Ont., born at Ayr, Ont., June 20, 1851.
 F. F. Backus, Assistant to President, Toronto, Hamilton & Buffalo Ry., Hamilton, Ont., born at Rochester, N.Y., June 4, 1860.
 W. C. Bowles, General Freight Agent, Western Lines, C.P.R., Winnipeg, born at Montreal, June 3, 1875.
 J. H. Boyle, Superintendent, District 1, Eastern Division, C.P.R., Farnham, Que., born at Waterloo, Que., June 26, 1869.
 F. P. Brady, General Superintendent, National Transcontinental Ry., Quebec to Winnipeg, and Lake Superior Branch, G. T. Pacific Ry., Cochrane, Ont., born at

tinental Ry., Quebec, born at Montreal, June 9, 1860.

E. W. DuVal, Superintendent, District 3, Saskatchewan Division, C.P.R., Saskatoon, born at Toledo, Ohio, June 5, 1885.

Knowlson Elliott, City Freight Agent, C.P.R., Calgary, Alta., born at Gorrie, Ont., June 26, 1884.

J. M. R. Fairbairn, M.Can.Soc.C.E., Assistant Chief Engineer, Eastern Lines, C.P.R., Montreal, born at Peterborough, Ont., June 30, 1873.

W. E. Foster, Solicitor for Ontario, G.T.R., Montreal, born at Belleville, Ont., June 27, 1866.

A. A. Goodchild, General Storekeeper, Eastern Lines, C.P.R., Montreal, born at Peckham, London, Eng., June 3, 1866.

H. W. Harding, Local Secretary, Canadian Northern Ry., London, Eng., born there, June 6, 1869.

Hon. J. D. Hazen, M.P., Minister of Marine, Ottawa, born at Oromocto, N.B., June 6, 1860.

L. K. Jones, I.S.O., Assistant Deputy Minister, Department of Railways and Canals, Ottawa, born at Port Hope, Ont., June 9, 1849.

A. C. Lytle, Assistant Superintendent of Construction, Montreal Tramways Co., Montreal, born at Hemmingford, Que., June 6, 1854.

R. S. McCormick, M.Am.Soc.C.E., Chief Engineer, Algoma Central & Hudson Bay Ry. and Algoma Eastern Ry., Sault Ste. Marie, Ont., born at Quaker City, Ohio, June 22, 1873.

Duncan McDonald, ex-General Manager, Montreal Tramways Co., born at St. Thomas de Montmagny, Que., June 17, 1859.

S. J. McLean, Dominion Railway Commissioner, Ottawa, born at Quebec, June 14, 1871.

C. E. McPherson, Assistant Passenger Traffic Manager, Western Lines, C.P.R., Winnipeg, born at Chatham, Ont., June 7, 1861.

W. R. MacInnes, Freight Traffic Manager, C.P.R., Montreal, born at Hamilton, Ont., June 7, 1867.

G. Manson, Assistant to the Vice President, C.P.R., Montreal, born at Thurso, Scotland, June 8, 1863.

H. N. Merriam, ex-Division Engineer, Pacific Great Eastern Ry., Golden, B.C., born at Waupun, Wis., June 19, 1874.

J. D. Morton, Assistant Comptroller, Canadian Northern Ry., Toronto, born at London, Ont., June 15, 1857.

L. Mulkern, Division Freight Agent, C.P.R., Atlantic Division, St. John, N.B., born at London, Ont., June 18, 1871.

J. E. Pinault, General Superintendent, Canada & Gulf Terminal Ry., Mont Joli, Que., born at Rimouski, Que., June 24, 1884.

F. R. Porter, Assistant General Freight Agent, Grand Trunk Pacific Ry., Winnipeg, born at Stratford, Ont., June 13, 1875.

F. Price, Superintendent of Car Service, G.T.R., Montreal, born there, June 11, 1864.

Allan Purvis, General Superintendent, Eastern Division, C.P.R., Montreal, born at Batavia, Java, June 29, 1878.

J. L. Reycraft, Solicitor, Manitoba and Saskatchewan Divisions, C.P.R., Winnipeg, born in Orford Tp., Kent County, Ont., June 20, 1868.

L. G. Rogers, Assistant Superintendent, District 1, Ontario Division, C.P.R., Trenton, Ont., born at Richford, Vt., June 18, 1874.

N. Van Wyck, Freight Claims Agent,

Haverhill, N.H., June 22, 1853.

A. H. N. Bruce, M.Can.Soc.C.E., Ottawa, born at Ballyscullion, Ireland, June 18, 1854.

H. W. Brodie, General Passenger Agent, Lines West of Revelstoke, C.P.R., Vancouver, B.C., born at Fredericton, N.B., June 8, 1874.

G. W. Coburn, Resident Engineer, C.P.R., Brandon, Man., born at Upper Melbourne, Que., June 24, 1877.

E. P. Coleman, General Manager, Dominion Power & Transmission Co., Ltd., Hamilton, Ont., and Vice President, Canadian Electric Railway Association, born at Taunton, Mass., June 14, 1867.

W. S. Cookson, General Passenger Agent, G.T.R., Montreal, born at Port Jervis, N.Y., June 12, 1871.

E. L. Cousins, Chief Engineer, Toronto Harbor Commission, Toronto, born there, June 11, 1883.

A. Craig, City Passenger Agent, C.P.R., Hamilton, Ont., born there, June 5, 1884.

A. E. Doucet, M.Can.Soc.C.E., Quebec, ex-District Engineer, National Transcon-