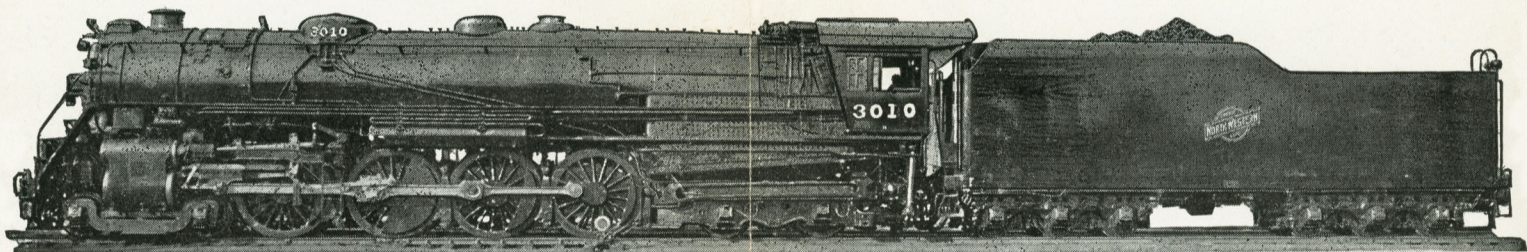


Largest Dual Service Locomotive in the World



THE GIANT CLASS "H"

IT is with pleasure we present the Chicago & North Western Railway's latest and finest contribution to the field of modern steam locomotives. A mighty thing is this giant Mogul of the Rails. To appreciate its tremendous power and mammoth size, permit us to point out these facts: The Class "H" weighs nearly twice as much as any locomotive formerly in North Western service; it has a pulling power 50 per cent greater than other passenger engines; is capable of attaining a speed of 85 miles an hour; can haul 150 loaded freight cars (a train about $1\frac{1}{3}$ miles long) at a speed of 50 miles an hour!

The Class "H" is 103 feet 4 inches long and 16 feet high. The main frame and the cylinders for the engine is a single steel casting 58 feet, 3 inches long and weighs 73,000 pounds, no bolts or rivets being used in its assembly. The engine and tender weigh 818,000 pounds. It has sixteen wheels—four front engine truck wheels, eight driving wheels and four

trailer wheels. The diameter of the driving wheels is 76 inches. The tractive power of the Class "H" is 71,800 pounds, with an additional 12,400 from a booster engine for use in starting. The tender has a water capacity of 18,000 gallons and a coal capacity of 20 tons. Steel plates for the tender tank are all welded together and onto a one-piece steel casting which forms the frame and the bottom of the tender tank, no bolts or rivets being used in the construction. There are 35 of these mammoth locomotives now in service on the Chicago & North Western Railway, each representing a cost of \$120,000. They perform a dual service, being used either as passenger or freight locomotives . . . and the transition from the one to the other is simply a matter of pulling a lever!

Automatic train control equipment is also a feature of the Class "H". This device automatically stops the train when it approaches another train or slows it to a 20-mile-an-hour speed in restricted areas. Thus safety is assured travelers under all conditions.

Here, then, is an outstanding contribution to fast, comfortable train travel. The Class "H" enables North Western passenger trains to maintain an even speed uphill and downhill . . . it eliminates jerky starts and stops
. . . it assures a smooth-running train at all times.

CHICAGO & NORTH WESTERN RY.