Canadian
National
Railways
1928 4-6-4
HuDSON
LOCOMOTIVES

Canadian Railway and M

December, 1930.

Hudson (4-6-4) Type Locomotives, Canadian National Railways.

preliminary description of five Hud-type locometives delivered recently Canadian National Rys., by Montreal omotive Works, was given in Can-in Railway and Marine World for Oc-

ders being of Timken manufacture, and those in the trucks of the other two be-ing of SKF type. The weights, leading dimensions, etc., of the locomotives are

Length over all, loco. & tender ... 92 ft. 61/4 it.

Heating surfaces tubes and flues ... 3,032 sq. f
firebox, arch tubes and
asphons ... 345 sq. f

Crate area ... 73.6 sq. f

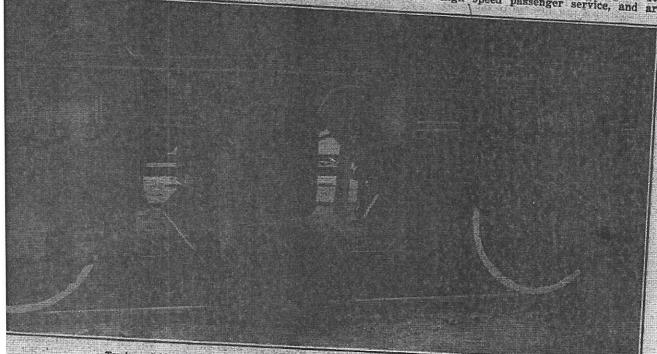


pg. 635, it being stated that the had first ordered three locomo-f this type, as mentioned in our issue, pg. 17, and had subse-ordered two more, as mentioned July issue, pg. 438. It was stat-

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Service	A.		Passenger
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6.6			40 64
Dr.	1000, and ten	cler e	40 ft. 4 fn. 9 ft. 6 5/8 in.
wan, of c	triving wheels		P II. 6 5/R fm
Mariana and Control	11.00	*********	en to

	22.00	ATT CONTROL OF THE PARTY OF THE	
Cylinders, diam. Maximum tracti	A STATE OF S		
Cylinders dise			
Maximum tracti	BBG Stroke	A CONTRACTOR OF A CONTRACTOR O	
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	ANGUL WILL TO	(A)	41.00
			190
These loco	Water of the Committee	2 2 2	

ese locomotives are designed for speed passenger service, and are



Track sprinkler under tender, Hudson locomotives, Canadian National Railways.

last two ordered were to be he first three, with the ex-on the last two the engine trucks would be equipped bearings. That statement ally correct; while only the omotives ordered have en-equipped with roller bearder trucks of all five loco-

D.H			
Boiler, type inside di	· · · · Strafel	of ton walla	
Pirebox length a	largest Dressure	COUPSE	· /8 in.
Pi WORKING	pressure		ou in.
Pirebox length a Tubes, no. and	ind width	198 178	640 ID.
* ** ** ** ** ** ** ** ** ** ** ** ** *	P.S. S. SE APRILL		10.0
Fines, no, and d Length of tubes	iam.		-476 In.
Length of tubes Combustion char			-3 ½ in.
Combustion chan Weight in workin	ther lenoth	***** AP 1	L l in.
Weight in workin	e order on an	Z	31 in.
** ** **	47	ine truck. 66	,000 lb.
	un tra	ung ini	in n

intended for use on extended runs over two or more divisions. They are equip-ped with Franklin boosters which, as shown by the figures given above, pro-vide an additional 10,000 lb. of tractive power at starting and at slow speeds. In the boiler construction, in order to

Hudson (4-6-4) Type Locomotives, Canadian National Railways.

The ordering of three Hudson type from Montreal Locomotive Works was mentioned in Canadian Railway and mentioned in Canadian Railway and Marine World for January, pg. 17; the chief dimensions and leading characteristics of the three units were given in our April issue pg. 218. In our the CNR, had ordered two more Hud. son type locomotives from the same 513, it was explained that the last two ordered would be similar to the first last two ordered the engine and tender builders, and in our August issue, pg. trucks would be equipped with roller bearings. The first of the five loco-motives to be completed was turned out it is given herewith. The numbering is in the 5700 series. Specifications are about the middle of September and at the time of writing, being broken in freight service. An illustration it is given hereafth. , , 1

Passager Vestione 15 ft. 1 in Sarvice Type of cub Limiting height width

va. steam injector; Elesco exhaust as phons; Pyle National headlight equipment; Commonwealth leading and trailing truits; World Consolidated eafery and trailing truits; World Consolidated eafery and trailing truits; World Consolidated eafery an Franklin fire door; cast iron driving boxes; Derived troit hydrostatic and mechanical lubricators; King sanders; Ieslie AR steam enter reducing valve, King metallic and mechanical lubricators; King sanders; Ieslie AR steam enter reducing valve, King metallic and flexible Phillips Steam heat connectors; Iransportation Devices Corp. air bell The tenders have Corp. air bell The tenders have Corp. air bell Elesco exhangt

The tenders have Commonwealth cast steel frames and Vanderbill style tank; wealth 6-wheel type with semi-steel tired wheels 34% in diam,, and with journals 6 x 11 in. Coal capacity is 20 the tender trucks are of the Commontons and water capacity 14,000 gallons.

presents several contrasts with usual types. The bell is hung in front of the smokebox, and the whistle, operated by air valve in the cab, is set alongside the The locomotive illustrated herewith

ating ability, with consequently incontrasted train speeds and greater the officer at high speeds on the officer and all-around superior performance 4-wheel trailing truck. The possible offered in the way of enlarged demonstrated by the drawbar-horses area, boller capacity and steam er curve, were explained fully article in our March issue,

viz., passenger, merchandise, and coal at senger traffic \$6,788,768; merchandifreight, \$9,855,150; coal and freight, \$6,019,375. Of the aggregat decline mentioned, the loss on the 663,293 during the first 31 weeks of 30, compared with the same period 1929. This heavy fall has been districted under all three sections of traff. a decrease of \$6,564,909, the Western a decrease of \$3,820,204 decline mentioned, the aggregation Midland and Scottish account British railway recoipts decreased reat



and the Southern a los

Hadson Type Locamotive, Canadian National Rallways.

Wheelbase, driving ...

stack, the idea in having these two better enable the front being he

October, 1930

Hudson (4-6-4) Type Locomotives, Canadian National Rallways,

Pe type HNL Injector; Elesco exhaust as phons; Pyle National heading to commonwealth leading and trailed ing trucks; World Consolidated eastery walves; Westinghouse ET-6 air brakes or valves; Westinghouse ET-6 air brakes; wedges; cast steel driving boxes; Denoted thoustack and mechanical lubricators; King sanders; Ieslie AK steam or packing; Franklin radial buffer; Wapor Transported Devices Corp. air bell The tenders have Corp. Marine World for January, pg. 17; the in chief dimensions and leading characteristics of the three units were given July issue, pg. 438, it was stated that the C.N.R. had ordered two more Huders, and in our August issue, pg. ordered would be similar to the fast two ordered would be similar to the first three, with the exception that on the last two ordered the ongine and tender The ordering of three Hudson type from Montreal Locemotive Works was mentioned in Canadian Railway and trucks would be equipped with roller bearings. The first of the five locamotives to be completed was turned out about the middle of September and is, at the time of writing, being broken in An illustration of it is given herewith. The numbering is in the 5700 series. Specifications are freight service.

Passenger Vestbule 11 ft. Sarvice Type of cab Limiting height

offered in the way of enlarged area, boller capacity and steam gred fuel economy on the one hand of tive effort at high speeds on the of demonstrated by the drawbar-horse article in our March issue, fully in article in our March issue,

British railway receipts decreased \$1.30, compared with the same period 1929. This heavy fall has been distriby it, passenger, merchandise, and coal at coke, the losses being as follows:—passenger, traffic \$6,788,768; merchandiffreight, \$9,955,150; coal and coldectine mentioned it, the aggregat a decrease of \$6,564,909, th Western a decrease of \$3,820,20, decline mentioned, the segregal London Midland and Scottish account. The Try 1183,217, or Eastern the London and North Eastern fered a Treat wealth 6-wheel type with semi-steel tired wheels 3414 in diam, and with bons and water capacity is 20 cons and water capacity is 20 cons and water capacity 14,000 imp. The tenders have Commonwealth cast steel frames and Vanderbilt style tank presents several contrasts with usual types. The bell is hing in front of the smokebox, and the whistle, operated by the tender trucks are of the Common. The locomotive illustrated herewith

air valve in the cab, is set alongside the

Diam, of driving wheels 19 ft. 2 in. Material of driving wheels 19 ft. 475 in. Leading track why wheel centers Nickel 19 ft. 80 in. Wheelbase, driving ...

Hudson Type Locsmodive, Canadian National Railways. stack, the idea in having these two better enable at the front being be

and the Southern a los