

TABLE II. — REPORTED USE OF

Railroad	For what purpose have these piles been used?	What type of re-inforcement is used?	How long was the piling allowed to cure before driving?	How was the piling driven?
Atchison, Topeka & Santa Fe Ry.	Foundations	Corrugated round bars, wrapped with wire	60 days	No. 2 Vulcan Steam Hammer with 1½ in. jet of water
Baltimore and Ohio System	"	Plain square rods and spiral hoops	Minimum, 38 days Maximum, 82 days Average, 60 days	6,000 lb. drop hammer of from 5 ft. to 20 ft. drop Water jet and hammer
Boston & Maine R.R.	Foundations for buildings		30 days	
Canadian Pacific Ry.	Re-inforced concrete trestles	Square twisted rods, longitudinal and circular	From 35 to 60 days	Steam hammer with specially designed protection block
Canadian Pacific Ry. (Western Lines)	Concrete trestles	Longitudinal and spiral wrapping	28 days minimum	Steam hammer
Chicago, Burlington & Quincy R.R.	All purposes for which piles are used	Corrugated bars and A.S. & W. Co's. No. 23 wire mesh	Minimum allowable time, 3 weeks	Steam and drop hammer
Chicago, Milwaukee & St. Paul Ry.	Concrete trestle to support rail walls in "U" abutments	Square ¾ in. deformed bars, longitudinal. ¼ in. spiral reinforcement	From 30 to 60 days	Both drop and steam hammer. Jet used in sand
Chicago Rock Island Lines	Foundations for bridges and buildings	Spiral wire and bars	From 30 to 40 days	Steam rubber cushion
Cleveland, Cincinnati, Chicago & St. Louis Ry.	Building foundations and various other foundations	Mesh and rods ½ in. rods	Chenoweth pile, 3 and 4 weeks	Chenoweth by drop hammer. Raymond piles by driving steel mandrel
Delaware & Hudson Co.	F'd'tion for new b'ld'g			Steam hammer Shells driven, filled concrete
Delaware, Lackawanna & Western R.R.	Foundations	None	Poured in place mould	"Simplex" method
Fort Worth & Denver City R.R.	Bridge bents	¾ in. twisted bars and Am. St. & W. Co's. 4 in. mesh	Minimum, 60 days	Steam hammer with cast iron cap. Handled like timber piles
Grand Trunk System	For elevators and shop foundations	None	Poured in place mould	"Simplex" method
Illinois Central R.R.	Concrete trestle bents and foundations		30 days	Steam hammer with water jet and without jet
Kansas City Terminal Ry.	Support of structures in any soil			Steam hammer
Louisville & Nashville R.R.	For found't'ns for bridge masonry and re-inforced concrete to wharf	Square twisted longitudinal and circular bars	Not less than 30 days	Drop hammer 3,500 lb. Timber pilot pile used. Water jet and hammer
New York Central & Hudson River R.R.	Masonry foundations	System of bars including, skew re-inforcement "Raymond"	From 1 to 10 months. Average, 3 months	Drop hammer for Cummings pile. Steam hammer for Raymond
New York, New Haven & Hartford R.R.	For freight house foundations	None	Poured in mould	"Simplex" method
Northern Pacific Ry.	Re inforced concrete trestles and re-inforced bank blocks for ends of bridges in fill	Deformed bars	60 days, or more	Ordinary track and skid driver, 4,500 lb. hammer
Northern Pacific Ry.	Concrete trestle bents and ab't'm't found'tions	Round longitudinal rods and steel wire hoops	16 months	4,600 lb. hammer and water jet
Norfolk & Western Ry.	For work where timber would decay	Deformed bars longitudinal	Over 30 days	6 ton hammer, low drop
Pennsylvania Lines (Southwest System)	Foundations of b'ldings, retaining walls and bridges	Round rods with spiral hooping	30 days	Drop hammer for "Cummings" pile; steam for "Chenoweth"
Pennsylvania Lines (Northwest System)	Foundation dock retaining walls. Foundations of buildings	Round steel rods	30 days	Steam hammer
Pittsburg & Lake Erie Railroad	Foundations of masonry	Straight rods	30 days	"Simplex" method. Pre-moulded piles. formed in place.
Southern Pacific Lines	Under piers for Los Alamos viaduct	No re-inforcement used. Double well casing filled with concrete		
Wheeling & Lake Erie Railroad	Foundation for scales and bridge abutments	Round rods and hoops 12 in. c. to c.	About 60 days	Both steam and drop hammer. Vulcan steam hammer