### TYRES.

Of Krupp crucible steel, flanged. For driving wheels, 3 in thick by 5½ in. wide, finished. For truck wheels, 2½ in thick by 3 in wide, finished.

## TRUCK WHEELS.

Engine truck wheels, 28 in diameter ; centres, 28 in diameter.

#### AXLES.

All axles to be made of steel Driving axles to thish 7 in. diameter, journals 7 in. diameter by 8 in. long. Engine track axle journals to finish 5 in, diameter by  $8\frac{1}{2}$  in. long, wheel th 5 in. diameter, distance between hubs of whéels, 52 inches. Cast iron champ collars on each axle.

### CRANK PINS.

Pins to be made of wrought iron (see drawing), case hardened, and ground up true and accurate.

# CONNECTING AND SIDE RODS AND STRAPS.

Made from best mammered iron forged from No. 1 scrap, solid." See drawing.

### DRIVING BOX.

Made of cast iron, and brasses pressed in. See drawing.

#### FRAMES.

Made of best hammered iron forged in two sections, each section being solid, and firmly bolted together and keyed forward of forward driving box podestal. Pedestal jaws fitted with east iron thimbles at bottom, secured with one 12 in, bolt passing through jaws and himble with jam nuts. Pedestal jaws cased with cast iron shoes and wedges.

## ENGINE TRUCK.

See drawing. Swing beam.

#### FEED WATER.

Boiler supplied with water by two tiresham non-lifting injectors, class W. F., one No. 8, placed on right hand side of engine, and one No. 7 on left hand side, with feed cocks coupled on bottom of injectors. The supply pipes to have intermediate checks and pet cocks. Injector throttles in cub to have dry pipe connected extended up in dome of boiler. All arranged to be operated from deck of engine,

#### CAB.

Built of hard wood well fitted and hraced, with angle irons in corners and bolted through. One of the sashes on each side to slide. Hoors in front to open out, arranged with guide and thumb-screw so as to be held in any position desired.

#### FILOT.

Made of hard wood, firmly braced and bolted together, bottom of frame of pilot banded with wrought iron, and secured by means of lag screws, and secured and braced to from of engine with push bar, etc.

### FUBNITURE AND TOOLS.

Engine to be furnished with one alarm belt placed forward of the dome on top of cylinder part of holler, arranged so as to be rung from cab. One signal bell in each. Sand box placed back of dome. Steam gauge. Gauge cocks and dripper. Water gauge. Lamps and stands for steam and glass gauges. Two signal lamps, Head-hamp, with brackets and lamp bord. Full set of wrenches to fit all nuts and bolts, including one 15-in, and one 12-in, monkey wrench, one hard and one soft hammer, two screw jacks and levers, one pinch bar and other tools that may be necessary, with substantial boxes made of hard wood to hold the same. Boxes to be supplied with substantial locks. One 10-lb. tallow can and one hand can for oiling.