

ing. It was only intended the removal should be temporary. (12) *Two forges*.—One in brick foundation; one in iron foundation. The foundations being laid into ground for several inches. (13) *Brass shop*.—The furnaces here are let into ground for two or three feet on a brick foundation and bricked in and connected to iron stack fastened to building. IN MACHINE SHOP. (1) *One break-gap lathe*.—Bolted to stone foundation specially built for this machine, with anchor bolts, built into stone work, stone foundation is several feet in ground. (Swing crane used as part of this machine; also bolted to stone foundation and to ceiling) run from counter shaft, which is bolted to ceiling. Counter shaft being bought as part of the machine. Weight about 9 tons. (2) *One B. G. lathe*.—40 inches over shears. Lathe spiked to floor. There are holes in the feet for spikes, originally they were fastened down with coach screws. This is run off the counter shaft, securely fastened to ceiling. Counter shaft bought with and as part of machine. Weight about 6 tons. (3) *One B. G. Lathe*.—24 inch, swing 4 ft. gap. Fastened and sunk in the same way as machine last above mentioned. Weight about three tons. (4) *One B. G. Lathe*.—24-inch swing. Weight nearly four tons. Rests on cross pieces, embedded in the ground and spiked down, and the flooring has been cut away to let the legs of the machine go down. This is also run off counter shaft, which is part of the machine. Counter shaft securely fastened to ceiling. (5) *One 30-inch lathe*.—Rests on cross pieces, securely fastened to floor, driven off counter shaft, which is part of machine, and is securely fastened to ceiling. (6) *One 20-inch lathe*.—Six ft. bed. Two legs are bolted to floor. Driven off counter shaft. (7) *One 20-inch lathe*.—Six ft. bed, No. 2. Spiked to floor. Driven off counter shaft. (8) *One 20-inch lathe*.—Eight ft. bed, resting on floor, connected with belting, run off counter shaft, which is fastened to ceiling. Could not be run without being spiked down. (9) *One planer*. Fastened to timbers embedded in earth, nearly 1½ ft., with holes in ground to admit lower gearing. The hole in ground in which this machine is placed is about 18 inches, and below this are the timbers to which machine is bolted. Driven off counter shaft. Weight about fifteen tons. (10) *One planer*.—On wooden cross pieces embedded in the ground. Floor built around machine after it was set up. Driven off counter shaft. Weight about 6 tons. (11) *One planer*.—Square blocks of wood set in ground under two of the feet of planer. Planer fastened to this, driven off counter shaft. (12) *One shaper*.—Spiked to wooden blocks laid on floor, which blocks are spiked to floor. Brake of machine bolted to blocks on floor. Driven off counter shaft. (13) *One milling machine*.—Weight 1,600 lbs. Laid on floor, driven off counter shaft, which is part of machine, and securely fastened to ceiling. Was spiked at one time until a few months ago, when it was temporarily shifted a few feet. (14) *One radial drill*.—Resting on timbers let into the ground. Driven off counter shaft. (15) *One Drill*.—Back gear and boring attachment securely bolted to timbers embedded in ground. Weight about 3,000 lbs. Driven off main shaft. (16 and 17) See 9 and 10, marine drill and reamer, in boiler shop. (18) *One bolt screwing machine*.—Was bolted to floor; bolts apparently withdrawn, and are now lying at feet of machine. Driven off counter shaft. (19) *One pipe screwing machine*.—Bolted to floor and driven