



Figure 212.—SINGER FACTORY MACHINE of 1889 for making buttonholes has a device for cutting the buttonhole. Added in an 1890 patent is a mechanism for sewing on 4-eyed buttons for which Patent No. 425,422 was issued to J. P. Hallenbeck. (Smithsonian photo 73-11195.)

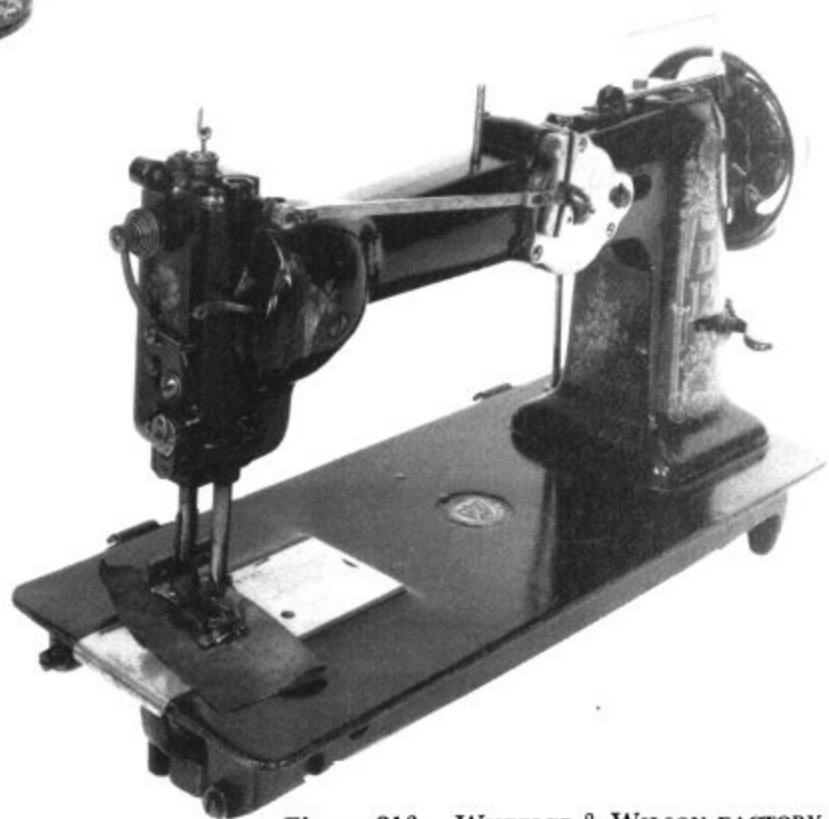


Figure 213.—WHEELER & WILSON FACTORY MACHINE of 1891 for a 3-stitch zigzag. (Smithsonian photo 73-11200.)



Figure 214.—STANDARD FACTORY MACHINE of 1892 for parallel rows of stitching, most widely used on men's shirts, for which Patent No. 479,369 was issued to Ferdinand Kern. (Smithsonian photo 73-11199.)