

765,158.—Process of Treating Iron. James W. Arnold, Covington, Ky.—A process which consists in rolling a highly heated charge into a ball and placing the same out of the path of the fresh charge, introducing a fresh charge, without the introduction of a current of air therewith, close to and between the fire and the preceding charge, in such a manner that while the fresh charge is being heated, the preceding charge is being reduced in temperature by the action and close proximity of the fresh charge.

767,105.—Magnetic Separator. Myron Dings, Milwaukee, Wis.—The combination of a electromagnet having a substantially vertical axis; a cup-shaped lower pole-piece partially inclosing the magnetic winding; an upper pole-piece covering the magnet and projecting marginally therefrom; a non-magnetic ring of less diameter than the upper pole-piece, but connected to the latter and arranged to cover the upper edge of the lower pole-piece; and a conical distributing shield covering the upper pole-piece except at its marginal edges.

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