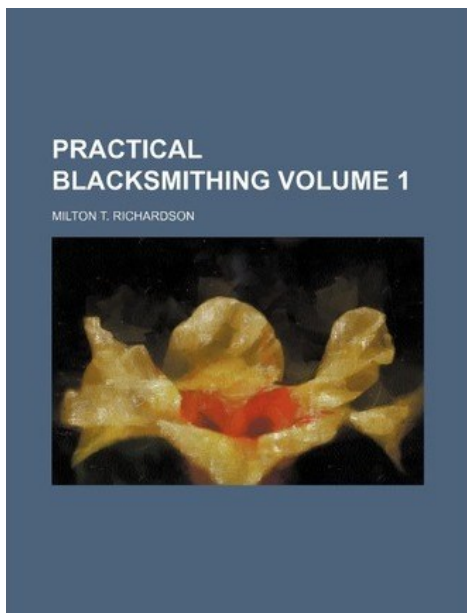


# Practical Blacksmithing Volume 1

Milton T Richardson



This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1888 Excerpt: ...shop in the east end of the basement is 40 x 41 ft., entirely above ground, and lighted on three sides by thirteen full-size windows and glass in the upper panels of the outside door. Four forges are located as shown in Fig. 51 of the accompanying cuts. The bellows are hung overhead, and the chimneys are set out from the wall enough to admit of the wind pipe going through the back of the chimney. This brings the front of the forges 6 ft. from the wall. The flues are 8 x 20 in., and the chimneys are curved back and into the wall near the top of the room. The tool benches are of the usual sort, except that at the side farthest from the anvil there is a double slot for swages, so that the top and bottom tools can be kept in pairs together. The anvils are wrought-iron. There is a smith's and a finisher's vise for each fire, attached to the benches in convenient places. The tire-upsetter is bolted to the southeast post. A horizontal drilling machine for tires, and an upright one for other purposes, bolt cutter, tire bender, two bolt clippers, two axle seats, and numerous wrenches are among the tools of the smith shop. There is a good-sized drawer under each bench for taps and dies and other small tools, two cases of drawers for bolts and clips (located as shown on plan) and also part of the furniture. Another convenience, and one not usually found in a smith shop, is a set of differential pulley-blocks. They are very handy on repair work. If a heavy vehicle comes in with a spring or axle broken it can be run under one of the several rings overhead and easily raised and the broken part removed. With them one man can raise 1,000 lbs., and they cost \$13.00. Coat closets are provided here, as in all the other workrooms except the varnish rooms. A clock, ...

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