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#### DIRECTIONS FOR USE:

The barrel should be draw filed to remove milling marks. Sand barrel with fine sandpaper to remove filing scratches. 180 grit or finer silicone carbide works well depending on smoothness desired. Oil the bore of the barrel well and seal with tightly fitting wooden plugs at the muzzle and breech. Wipe the surface of the barrel with a clean dry cloth to remove sanding dust.

The barrel is now ready to brown. Degreasing is not necessary, as Barrel Brown is formulated to remove all traces of grease and oil. The barrel can even be handled with bare hands at any time during the browning process (except while still wet with solution) without affecting Barrel Brown's ability to take.

To apply Barrel Brown use a piece of clean cotton cloth folded into a pad about 1" square. Moisten pad thoroughly with Barrel Brown and apply to barrel, being careful to apply brown in a long even coat from muzzle to breech. Do not rub the surface of the barrel with Barrel Brown. Apply Barrel Brown as evenly as you can with a single coat if possible. Rubbing the surface with Barrel Brown can cause a metallic copper colored film to form, that will impeded the browning process. After applying the first coat of brown, set aside to work for 3 hours. After 3 hours apply a second coat of solution to barrel. The second coat, and all subsequent coats, is applied very sparingly to the barrel surface. Only enough Barrel Brown should be applied to dampen the surface. This will minimize the chances of pitting due to too vigorous action, or streaking due to unevenness of application. Too heavy an application of solution can also remove the existing brown, lengthening the browning process. After letting the second coat work for 3 hours, rub the surface of the barrel with a piece of coarse cloth dipped in hot tap water. This step removes the surface scale that has built up and evens the brown. After scrubbing the barrel, flood the surface with hot tap water and dry. Repeat the cycle of applying Barrel Brown, letting work 3 hours, and scaling barrel, 4 to 5 times more, until the desired color has been achieved. Note: if you cannot get back to the barrel within 3 hours of applying a coat of brown, do not apply another coat after scaling. Just scale the barrel and set aside until you are ready to resume browning.

To stop further action after browning has been completed, scrub the surface of the barrel using a saturated solution of hot tap water and baking soda. Rinse the barrel with clear warm water and allow to dry. To finish the barrel, apply wax or boiled linseed oil.

For a rougher "antique" brown, apply heavier coats of Barrel Brown at 12-hour intervals. 2 to 4 coats will be sufficient, depending on weather conditions. To maximize roughness, do not scale the surface between coats. After the desired depth of color has been obtained, wash with water and baking soda in the normal manner, to stop further browning. This method works especially well on actions and small parts.

If a rust blue is desired, the part being finished should be boiled in distilled water prior to each scaling. Boil parts for about 5 min., until finish darkens, then scale in the normal manner. Repeat process until desired depth of color is reached.