Litho Plate Etch

1) Dust with tale (french chalk)
2) Remove excess and very lightly smooth with rag or cotton
3) Etch 20 parts Gum Arabic
   1 part Phosphoric Acid (stronger image=more acid, weaker image=less acid)
   a) Brush on thinly and evenly with cotton pad or wide, soft brush
   b) Keep wet for 2 minutes
   c) Wipe off excess
   d) Dry with cotton pad (buff tight)

Wash etch off with water and coat plate with gum arabic. Smooth to thin film with cotton pad.
4) Wash out image with Mineral Spirits and a soft rag (remove all crayon/tusche)
5) Add small amount Asphaltum to Mineral Spirits and wipe plate with solution (very thinly),
   buff with soft cloth, and let dry (use hand-fan)
6) 1st Inking – Use greasy ink (roll ink out thin and even on ink-slab glass)
7) Sponge plate with thin film of water
8) Roll ink onto plate
9) Re-ink roller
10) Sponge plate
11) Roll ink onto plate (repeat until plate image is fully inked)
12) When image is fully inked...Second Etch
   Use Gum Arabic/Phosphoric Acid solution
13) Dust plate with tale, use soft cloth with no pressure
14) Brush etch evenly and let sit for 3 to 4 minutes (keep it wet)
15) Remove the etch with water
16) Re-gum the plate and let dry
17) Wash out old ink with Mineral Spirits and Asphaltum solution
18) Clean Gum Arabic off plate with lots of water and sponge
19) Use clean sponge to dampen plate
20) Ink plate with stiff ink (repeat steps 7 through 11)
21) Lightly dampen and blot paper thoroughly
22) Print plate