



if properly managed. For wrought iron and steel, use hydrochloric acid and water.

(13) W. F. E. asks: 1. How are bath bricks made? A. Bath bricks are found native as minerals, and are imported from England.

(14) W. M. S. asks how to make liquid glue. A. Take a wide mouthed bottle, and dissolve in it 8 ounces best glue in 1/2 pint water, by setting it in a vessel of water, and heating until dissolved.

(15) E. H. F. asks what preparation steamlaundries use to make their goods so stiff and have such a fine gloss, and how is it used, and, if used with starch, is hot or cold starch used?

(16) J. T. M., Jr., asks for a tempering liquid for tempering a flat coiled spring, 1/8 of an inch thick, 1 1/2 inches wide, 20 feet long, without drawing the temper.

(17) C. E. H. writes: I have nearly 1,000 feet of out-door steam pipe carried in elevated wooden boxes. What is a good and cheap pipe covering to prevent loss of heat?

(18) B. L. asks: 1. Is there any method for removing rust stains from white cloth or linen? A. See the table in SCIENTIFIC AMERICAN SUPPLEMENT No. 158, for the "Removal of Stains and Grease Spots."

(19) D. B. wants a receipt for a dark cherry stain for a white pine floor. A. Use rain water 3 quarts, annatto 4 ounces; boil in a copper kettle till the annatto is dissolved, then put in a piece of potash the size of a walnut; keep it on the fire about half an hour longer, and it is ready to bottle for use.

(20) J. T. S.—Engines with automatic cut-offs will run steady with variable work. If you have a governor that only controls a throttle valve, there will be a small variation of speed with as much variation in the work as you state.

TO INVENTORS.

An experience of forty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted

February 8, 1887,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Account register or coin counter, L. Benham... 357,361
Acid, concentrating sulphuric, J. B. F. Herreshoff... 357,528
Alarm. See Burglar alarm. Fire and burglar alarm.

Beer in fermenting tubs, apparatus for cooling, M. Gottfried... 357,196
Belt for transmitting power, F. M. Walker... 357,432
Bench. See Wash bench.
Bit. See Bridge bit.

Fanning mill, C. Altringer... 357,261
Fare box, electrical, W. A. Crowder... 357,372
Fare register, C. E. Pratt... 357,229
Farm gate, B. F. Ellis... 357,275
Faucet, C. H. Loper... 357,488

Pen, fountain, A. H. Cobb... 357,176
Photographic plates, apparatus for coating, Ismay & Dadds... 357,483
Piano, upright, Richardson & Warren... 357,291
Pianos, pianissimo pedal for, P. Weber... 357,436