

Answers to Correspondents.

SPECIAL NOTE.—This column is designed for the general interest and instruction of our readers...

T. B. of Pa.—We have not the address of manufacturers or dealers in white brass.

CARBON PLATES FOR BATTERY.—Gas carbon is rather a hard material to work. There are various ways of making plates for batteries of it.

EXPANSION OF BELT.—I think, in the dispute between A and B, A is decidedly wrong in his opinion about belts being tighter in wet weather than in dry...

CANKER IN MOUTH.—I notice that, in reply to F. S. C., a correspondent recommends the use of muriated tincture of iron as a mouth wash...

TWIN BOILERS.—To H. P. S.: The trouble with your boilers in the connections on top. From what you say you have no steam come on either boiler...

GRAPE JUICE.—In answer to query 4, No. 23, I would say that if the grape juice be from cultivated varieties of grape, the way to make good wine out of it is to let it ferment without any admixture of any kind...

CURIOUS FREAK OF TWIN BOILERS.—Let me say that the trouble can all be got rid of by making the steam pipe, connecting the two boilers on top, 3/4 or 4 inches inside diameter, and connecting the two at the water line with a 4 inch pipe.

SUCTION PUMP.—In answer to M. W. Q., of Mo.: He is very much mistaken when he says "ten feet horizontal is equal to one foot perpendicular."

Official List of Patents.

ISSUED BY THE U. S. PATENT OFFICE.

FOR THE WEEK ENDING DECEMBER 12, 1871.

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SCHEDULE OF PATENT FEES:

Table listing various patent fees: On each caveat \$10, On each Trade-Mark \$5, On filing each application for a Patent (seventeen years) \$15, etc.

121,701.—SASH SUPPORTER.—W. H. Brown, Bangor, Me.
121,702.—TOY ENGINE.—A. Buckman, Brooklyn, N. Y.
121,703.—DOOR PLATE.—W. A. Caron, Springfield, Mass.

121,746.—DRYING SAND, ETC.—A. H. Bauman, Mapleton, Pa.
121,747.—KNIFE CLEANER.—W. S. Beebe, J. T. Baynes, A. King, West Troy, N. Y.
121,748.—STEAM HEATER.—J. H. Blessing, Albany, N. Y.

121,871.—BRICK MACHINE.—D. Hess, Des Moines, Iowa.
121,872.—IRON, ETC.—T. C. Hinde, Fownhope, Eng.
121,873.—HANDLING BOXES.—C. Hoffman, New York city.

REISSUES.

4,664.—COTTON GIN.—D. Pratt, Prattville, Ala.—Patent No. 17,906, dated July 14, 1857; extended seven years.
4,665.—CULTIVATOR.—F. J. Underwood, Rock Island, Ill.—Patent No. 85,412, dated December 29, 1868.

DESIGNS.

5,408.—GEOMETRICAL FORMS.—C. Baillarge, Quebec, Canada.
5,409 & 5,410.—CARPETS.—J. Wade, Palmer, Mass.
5,411.—THREE BOTTLE CASTER.—D. Dudley, Lowell, Mass.

TRADE MARKS.

573.—CAST STEEL, ETC.—W. Butcher & Co., Lewiston, Pa.
574.—MEDICINE.—E. Chiles, Philadelphia, Pa.
575.—ALCOHOL.—C. H. Graves, Boston, Mass.

EXTENSIONS.

COTTON AND HAY PRESS.—W. Penniston, of North Vernon, Ind.—Letters Patent No. 18,766, dated December 1, 1857.
LONG TRUNKS FOR CLEANING COTTON.—I. HAYDEN, of Lawrence, Mass.—Letters Patent No. 18,742, dated December 1, 1857.