

welling glass?—J. A. ... 1. Is the disease called pip among chickens on the tongue? 2. Will it produce death unless cured? 3. What is the remedy therefor?

COMMUNICATIONS RECEIVED.

The Editor of the SCIENTIFIC AMERICAN acknowledges, with much pleasure, the receipt of original papers and contributions upon the following subjects:

- On Tempering Steel and Copper. By J.S.M.
On the Nickel Plating Patents. By A. D.
On the Atmosphere. By H. W.
On Moles. By W. S. N.
On Hardening and Tempering Tools. By J. P.

Also enquiries and answers from the following:

- A.D.H.—W.E.K.—F.L.—F.A.R.—W.D.P.—A.J.Q.
—S.M.—A.D.—R.Y.

HINTS TO CORRESPONDENTS.

Correspondents whose inquiries fail to appear should repeat them. If not then published, they may conclude that, for good reasons, the Editor declines them.

Enquiries relating to patents, or to the patentability of inventions, assignments, etc., will not be published here.

Hundreds of enquiries analogous to the following are sent: "Please to inform me where I can buy sheet lead, and the price? ..."

[OFFICIAL.]

Index of Inventions

FOR WHICH

Letters Patent of the United States WERE GRANTED IN THE WEEK ENDING

July 14, 1874,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

Table listing inventions with inventor names and dates, such as Alcohol purifying, L. Louragny, 153,056.

Table listing inventions with inventor names and dates, such as Conformator, J. W. Miller, 152,910.

Table listing inventions with inventor names and dates, such as Sewing machine embroiderer, I. M. Rose, 153,116.

APPLICATIONS FOR EXTENSIONS.

Applications have been duly filed and are now pending for the extension of the following Letters Patent.

EXTENSIONS GRANTED.

29,137.—CAR COUCH.—W. A. Brown.
29,162.—FLOW.—L. Green.

DISCLAIMER.

29,180.—HOISTING APPARATUS.—J. Lemman.

DESIGNS PATENTED.

7,535.—BAS RELIEF.—T. Kappeler, Cambridge, Mass.
7,536 & 7,537.—MUFFS.—G. H. Prindle, Philadelphia, Pa.

TRADE MARKS REGISTERED.

1,872.—HATS AND CAPS.—J. S. Fayerweather & Co., Danbury, Conn.
1,873.—ALE.—C. P. Hawkins, New York city.

SCHEDULE OF PATENT FEES.

Table listing patent fees: On each caveat, \$10; On each Trade Mark, \$25; On filing each application for a Patent (17 years), \$15.

CANADIAN PATENTS.

Table listing Canadian patents granted in Canada from July 16 to 20, 1874.

3,662.—E. E. Bean, Boston, Suffolk county, Mass., U. S. Improvements in gas lighting apparatus, called "Bean's Pneumatic Electric Gas Lighting Apparatus." July 16, 1874.

Advertisements.

Back Page - - - - - \$1.00 a line.
Inside Page - - - - - 75 cents a line.
Engravings may head advertisements at the same rate per line, by measurement, as the letter press.

Advertisement for DAVEE'S PATENT DRY KILN, featuring an illustration of the kiln structure.

TO INVENTORS AND PATENTEES.
An American mechanic, now residing in England, is in a position to introduce American inventions in England to a great advantage.

EDISON'S INDUCTORIUM—A powerful electrical induction coil for giving shocks. Useful for medical purposes and amusement.

To Electro-Platers.
BATTERIES, CHEMICALS, AND MATE RIALS, in sets or single, with books of instruction, manufactured and sold by THOMAS HALL, Manufacture, ing Electrician, 19 Bromfield Street, Boston, Mass.