

ENGINEERING INVENTIONS.

An automatic attachment for locomotives has been patented by Mr. Norman F. Chase, of Montrose, N. Y.

A car coupling has been patented by Mr. Noble K. Parks, of Pilot Grove, Ind.

A freight car door lock has been patented by Mr. James Abbott, of Elmira, N. Y.

A steam engine has been patented by Mr. James S. McCoy, of Brooklyn, N. Y.

MISCELLANEOUS INVENTIONS.

A clay tempering machine has been patented by Mr. Frank Middleton, of Richmond, Va.

A vulcanizable gilding rubber has been patented by Mr. Jehu H. Wood, of Lebanon, O.

A belt clasp has been patented by Mr. George E. Zeltmacher, of Brooklyn, N. Y.

A cotton gin has been patented by Mr. Franklin H. Lummus, of Brooklyn, N. Y.

A shank lasting apparatus has been patented by Mr. Frank B. Beyerle, of New York city.

An apparatus for manufacturing double film photographic sensitive paper has been patented by Mr. Henry J. Newton, of New York city.

An anchor for fence posts has been patented by Mr. Jacob V. Higgins, of near Three Bridges, N. J.

A combined latch and lock has been patented by Mr. Joshua B. Hutson, of Richmond, Va.

NEW BOOKS AND PUBLICATIONS.

PROCEEDINGS OF THE DAVENPORT ACADEMY OF SCIENCES. Vol. IV. 1882-1884.

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Notes & Queries

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters, or no attention will be paid thereto.

(1) A. H. M. asks: In a dynamo not using batteries or permanent magnets, where is current of electricity generated?

(2) L. J. asks about cleaning petroleum pipes. If a powerful magnet be fixed in the scraper, would a compass passed on the outside not indicate the scraper's position?

(3) J. S. M. asks for description of the Jamin magnet, its form and construction, and the quality of steel used.

(4) D. B., of Ohio.—A State court has no authority to prohibit the use of a patent pending the action in a suit brought thereon.

(5) O. J. S. asks (1) if coal gas decreased in bulk one-half will develop double the pressure.

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.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted,

June 8, 1886,

AND EACH BEARING THAT DATE.

- [See note at end of list about copies of these patents.] Adding machine, L. W. Swem... 343,506 Air and steam brake, automatic, E. J. Cosgrove... 343,290 Animal shears, J. J. Harrell... 343,240

- Bread knife, J. Wagner... 343,509 Brick, machine for making pressed, J. C. Pieta... 343,396 Bridge, C. F. T. Kandel... 343,377