

THE NEW TEMPLE EMANUEL.

The above is the name of the new Jewish synagogue recently dedicated situated on Fifth avenue and Forty-third street, New York city.

The Evening Post gives a graphic description of the new temple and designates it as a "poem in stone:"

"All admirers of fine architecture will first be impressed with the facade. Its fine proportions, varied color, and rich ornamentation are elements of beauty worthy of close study.

USE OF COLOR.

"Attractive as the exterior is, the interior far surpasses it. On entering the building we seem transported to another sphere. Here we enter on the realm of color; forms seem to have vanished or to resolve themselves into radiant splendor.

"The use of color in this building will attract all eyes to it, and make it a model for imitation far and wide. Mr. Eidlitz has used color elsewhere, and notably in St. George's Church, but nowhere on the same grand and effective scale as here.

associated with Renaissance symbols so conventionally applied to public and private edifices everywhere."

VENTILATION.

The Journal of the Franklin Institute, contains the first, or a part of the first of a second course of lectures on ventilation, delivered by Lewis W. Leeds, before the Franklin Institute during the winter of 1867-'68.

The subject of ventilation is an important one, and perhaps is not appreciated as it should be, or sufficiently provided for in either public or private edifices.

How to get the pure air is the question; a purely mechanical one. Hot air rises—cold air falls. The impure gases do the same thing; therefore it is only necessary to provide for the escape of foul gases at the bottom of a room, provided it is heated with warm air, or at the top, if heated by radiation; the pure air being admitted in the latter case through openings protected so that strong currents shall not be formed, and the exchange of air being fully provided for by passing the vitiated gases through heated flues, or drawing them off by fans or other apparatus.

There is the whole thing in a nutshell and all the scientific discussion of things upon the earth or under the earth can't make it more so; so the SCIENTIFIC AMERICAN believes and we believe its practical readers will concur.

OFFICIAL REPORT OF PATENTS AND CLAIMS

Issued by the United States Patent Office.

FOR THE WEEK ENDING SEPTEMBER 15, 1868.

Reported Officially for the Scientific American.

Table with columns for patent fees and charges. Includes items like 'On filing each caveat', 'On filing each application for a patent', etc.

Pamphlets containing the Patent Laws and full particulars of the mode of applying for Letters Patent, specifying a fee of model required, and much other information useful to inventors, may be had gratis by addressing MUNN & CO., Publishers of the Scientific American, New York.

- 82,058.—MORTISING CHISEL.—Otis Adams and James Hatch, San Francisco, Cal.
82,059.—LAMP BURNER.—Thomas Adams, Hudson City, N. J.
82,060.—CULTIVATOR.—A. H. Allison, Charlottesville, Ind.
82,061.—SCHOOL DESK.—Herbert L. Andrews, Chicago, Ill.
82,062.—BLACKBOARD.—Herbert L. Andrews, Chicago, Ill.
82,063.—LEATHER STRETCHING MACHINE.—W. R. Andrews, and Robert Dinwiddie, Newark, N. J.

- screws, D D, when constructed and arranged as specified, and for the purpose set forth.
82,064.—STOCK PUMP.—W. T. Armstrong, Freeland, Ill.
82,065.—MOLDING PIPE.—John Aston, Pittsburg, assignor to William Smith, Allegheny City, Pa.
82,066.—JOURNAL BOX.—John E. Atwood, Mansfield, Conn.
82,067.—SHINGLE MACHINE.—J. E. Austin, Oswego, N. Y.
82,068.—WAGON AXLE.—C. D. Bachelder, Camden, Me.
82,069.—WAGON JACK.—E. R. Baldwin, Southfield, Mass.
82,070.—KNOB LATCH.—T. C. Ball, Bellows Falls, Vt.
82,071.—ENAMEL FOR WINDOW SHADES.—Edward C. Bancroft, Henry M. Bancroft, and Et. H. Bancroft, Syracuse, N. Y.
82,072.—ELASTIC DRAFT ATTACHMENT FOR SINGLES AND DOUBLE HARNESS.—John Barron, Cincinnati, Ohio.
82,073.—VISE.—Thomas L. Baylies and Edwin Crawley, Richmond, Ind.
82,074.—PLANE.—Valentin Bitsch, St. Louis, Mo.
82,075.—FARM GATE.—Charles S. Bonney, Penn Yan, N. Y.
82,076.—REFRIGERATOR.—Wilson Bray, Stockton, N. J.
82,077.—MACHINE FOR FORMING LEAVES-TROUGH.—John Brett, Memphis, Mich.
82,078.—SAW SHARPENING DEVICE.—P. M. Bristol, Luenington, Mich.
82,079.—MANUFACTURE OF ARTIFICIAL FUEL.—George H. Bronson, New York City.
82,080.—APPARATUS FOR DOMESTIC MANUFACTURE OF GAS.—John W. Brown, Wooster, Ohio.
82,081.—CHAIR SEAT.—E. L. Buckingham, Jefferson, Wis.
82,082.—CARRIAGE SPRING.—Azro Buzzell, West Fairlee, Vt.
82,083.—LUBRICATING MATERIAL.—Calvin Carpenter, Jr., Astoria, N. Y., assignor to H. H. Wolcott, New York City.
82,084.—ANGULAR SHAFT COUPLING.—John M. Case, Worthington, Ohio.
82,085.—WRENCH.—Luke Chapman, Collinsville, Conn.
82,086.—CAR WHEEL AND FROG.—W. H. Child, Gainesville, Ala.
82,087.—MEASURING FUNNEL.—Charles Chinnock, Brooklyn, N. Y.
82,088.—FEED BAG.—Charles Chinnock, Brooklyn, N. Y., assignor to J. Little Hyde, New York City.
82,089.—CULTIVATOR.—Joseph H. Clifton, Newcastle, Pa.
82,090.—SHUTTLE.—Nathan Clough, Lowell, Mass., and James Baldwin, Manchester, N. H.