

THE PARIS EXPOSITION—OFFICIAL LIST OF THE AWARDS TO AMERICAN EXHIBITORS.

The following is an official list of awards to Americans by the committees of the Grand Exposition, as sent by the Atlantic Telegraph. Of course it may be expected that some errors have occurred in its transmission. The names are given in the order in which the report will be made.

GRAND PRIZES.

M. Chapin, Lawrence, Mass.—Well-conducted Factory.
Hughes, Kentucky—Printing Telegraph.

GOLD MEDALS.

Steinway & Sons, N. Y.—Pianos.
Chickering & Sons, N. Y. and Boston—Pianos.
S. S. White, Philadelphia—Artificial Teeth, etc.
H. D. Walbridge, N. Y.—Minerals from Idaho.

SILVER MEDALS.

Fred. E. Church, N. Y.—Oil Painting.
M. M. Ritchie, N. Y.—Photographs.
Mason & Hamlin, N. Y.—Organs.
J. K. Barnes, Surgeon-General, U. S. A.—Military Surgical Apparatus.

BRONZE MEDALS.

D. Appleton & Co., N. Y.—Books.
Houghton & Co., Riverside, Cambridge Mass.—Books.
G. & C. Merriam, Springfield, Mass.—Automatic Boiler Feeder Co., Philadelphia—Boiler Feeder.

HONORABLE MENTION.

C. K. Landis, Vineland, N. J.—Model of a Farm.
Willard & Co., N. Y.—Objectives.
Wm. Seligman & Co., N. Y.—Artificial Limbs.

Montague & Carlos, Louisiana—Mosses.
F. S. Cozzens, N. Y.—Cigars from American Tobacco.
Pleasant Valley Wine Co., and F. S. Cozzens, N. Y.—Variety of Wines.

THE ENGINEER says:—
"Although our Brother Jonathan, impeded by the great distance which his wares have had to travel, has sent but a very small quota to Paris, he has made an admirable selection in what he has sent."

Exposition Notes.

SHAW'S HOT-AIR ENGINE of 20-horse power, exhibited in an annexe or shed of its own in the park, continues to work regularly, and to attract a good deal of attention.

ONE of the most valuable institutions of Paris is the asphaltum with which the footpaths and roads are made. The London asphaltum, whether for footways or roadways, has been a complete failure, whereas the Parisian is a most eminent success.

WRARE informed that a trial is shortly to take place between French and English guns against French and English armor-plate targets. At this competition, unless the present rules be relaxed, no naval or military officer belonging to either country, with the exception of such as may be nominated jurors for the contest, nor any representative of the press, will be admitted.

A FRENCH CHEMICAL PRINTING MACHINE is exhibited, printing manifold through prepared paper, without ink, in red or black, and bringing the types into operation by means of keys, with great rapidity.

AMONG the carriages are two droskas those uncomfortable Russian hackney carriages in which the driver and his "fares" sit in single file astride a longitudinal bench supported on four small wheels.

THE ONLY artillery exhibited in the American court is a Gatling's and a Ferris gun, the latter of which is a polygrooved rifled breech-loader, throwing a ball of 3-lb. weight with a charge of 24 oz. of powder.

Editorial Summary.

THE HYDRO-PNEUMATIC HOIST, recently patented in England, is an apparatus in which the chain, with a hoisting cage at each end, passes over two sheaves, so that each cage ascends while the other descends.

IRON ETC.—A co-operative foundry has been established in Rochester. The organization has purchased the Novelty Works, for the sum of \$30,000.

A STEEL SCREW PROPELLER, one of the first we believe of any considerable size, has been cast by Messrs. Naylor, Vickers & Co., of Sheffield, and is really a very fine piece of work considering that it is a first attempt.

HYDRAULIC PROPULSION.—It is more than likely that the system of propelling by means of centrifugal pumps will prove very successful in its application to canal boats.

THERE are now 400 mills for crushing quartz and cement in California, 40 in Idaho, 30 in Montana, and 14 in Oregon, which have cost nearly \$10,000,000 dollars.

EXPERIMENTS (says the Owl) are being made by the French Government upon a system of construction for cannon, by which the interior is made of steel and the exterior of bronze.

OZONE.—In another column we publish a notice of an English Patent, issued sometime since, for decolorising sugar by means of ozone. The generator employed for this purpose consists of a number of flat sheets of glass, coated with tin-foil, and piled one on the other, but slightly separated.

A PORTABLE COMPRESSED ATMOSPHERE, similar to Gallibert's, is carried by the divers of the American Submarine Company, dispensing with all communication with the general atmosphere, both for the sustenance of life and of combustion within their lamps.

EXPERIMENTS have proved that if magnesium ribbon is pressed broader and thinner, and by this means made to present a larger surface to the oxygen of the atmosphere for the same weight of metal, it burns much more steadily and surely.

BUSINESS AND MANUFACTURING ITEMS.

RAILROADS, ETC.—The Boston, Hartford and Erie Railroad Co. intend to establish coal deposits at all the stations on their road, from which residents in the vicinity can procure their supplies at moderate prices.

MISCELLANEOUS.—About 200,000 quarts of strawberries are brought to New York every day from New Jersey and other places South. The sales of strawberries at Vineland amount to \$2,000 per day.

Recent American and Foreign Patents.

Under this heading we shall publish weekly notes of some of the more prominent home and foreign patents.

CASE FOR HOLDING PRESERVED MEAT AND OTHER SUBSTANCES.—E. C. Dawson. October 12, 1866. In performing this invention the case is composed of wood, and is lined with plaster of Paris, so as to protect the preserved meat or other substance from the action of the air.

PIPE FOR HOLDING AND SMOKING CIGARS AND TOBACCO.—W. Grune. Oct. 12, 1866. Having discovered that the ammonia vapors evolved when tobacco or cigars are smoked, are capable of reproducing or re-developing silvered photographs on paper, discolored or bleached with chloride of mercury.

APPLYING ENAMEL TO CERTAIN FRICTIONAL SURFACES.—L. R. Bodmer. Oct. 13, 1865. This invention consists in providing those metallic surfaces which are exposed to a rubbing action or friction against leather, as more especially, the guide bars for the buffalo-hide drivers or pickers, with a covering or coating of enamel, glass, or other vitreous substance, whereby the friction is reduced and the application of a lubricant rendered unnecessary.