

A CARD OF THANKS.

It is with genuine pleasure that we note the continued kind reception of our anniversary number by the press and the public at large; and the more so, as many of our contemporaries have coupled with their approbation of the work a word of greeting for its authors. It would have given us the greatest pleasure to acknowledge these many public and private congratulations in detail. The following are a few among the many journals to whom we wish to extend our thanks for the courtesies received:

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| New York Herald, | New York City. | The New Jersey Mirror, | Mount Holly, Burlington Co., N. J. |
| New York Times, | New York City. | Morning Tribune, | Altoona, Pa. |
| The World, | New York City. | The Ohio Democrat, | Logan, O. |
| The Sun, | New York City. | The Salamanca Daily News, | Salamanca, N. Y. |
| The Evening Telegram, | New York City. | Crawford County News, | Bucyrus, O. |
| Science, | New York City. | Ovid Independent, | Ovid, N. Y. |
| Public Ledger, | Philadelphia, Pa. | Lebanon Daily Times, | Lebanon, Pa. |
| Journal, | New York City. | Iron Age, | New York City. |
| Illustrated Express, | Buffalo, N. Y. | The Religious Herald, | Hartford, Conn. |
| Post, | Boston, Mass. | The Agitator, | Wellsboro, Pa. |
| Journal of Commerce, | New York City. | The Westmoreland Democrat, | Greensburg, Pa. |
| Home Journal, | New York City. | The London Semi-Weekly Enter- | prise, |
| The Independent, | New York City. | London, Madison Co., O. | |
| The Boston Herald, | Boston, Mass. | Fishkill Weekly Times, | Fishkill, N. Y. |
| Financial Review, | New York City. | American Machinist, | 256 Broadway, New York City. |
| The Newspaper Maker, | New York City. | Baltimore Journal, | Baltimore, Md. |
| American Shipbuilder, | New York City. | Evening Express, | Lockhaven, Pa. |
| News, | Newport, R. I. | Burlington Daily Free Press, | Burlington, Vt. |
| Journal, | Orange, N. J. | Trenton Sunday Advertiser, | Trenton, N. J. |
| News, | Shamokin, Pa. | The Evening Press, | Greensburg, Pa. |
| Herald, | Reading, Pa. | The Crawfordville Journal, | Crawfordville, Ind. |
| Advocate, | Stamford, Conn. | Binghamton Democrat, | Binghamton, N. Y. |
| Long Island Democrat, | Jamaica, L. I. | Clearfield Republican, | Clearfield, Pa. |
| Jewish Messenger, | New York City. | Sandusky Democrat, | Sandusky, O. |
| Coal Trade Journal, | New York. | The Times, | Port Royal, Pa. |
| Sunday Call, | Easton, Pa. | The Tri-Weekly Journal, | Susquehanna, Pa. |
| Sentinel, | Easton, Pa. | Daily Press-Knickerbocker, | Albany, N. Y. |
| New London Daily Globe, | New London, Conn. | The Enquirer, | Cincinnati, O. |
| Hasbrouck Heights News Letter, | Hasbrouck Heights, N. J. | Coiman's Rural World, | St. Louis, Mo. |
| Times, | McKeesport, Pa. | Evening Capital, | Annapolis, Md. |
| The Goshen Democrat, | Goshen, Orange Co., N. Y. | Daily Union, | Schenectady, N. Y. |
| St. Johnsville News, | St. Johnsville, N. Y. | The Advertiser, | Huntington, W. Va. |
| The Morning Union, | Bridgeport, Conn. | Orange Leaves, | Orange, Mass. |
| The Journal, | Atlantic Highlands, N. J. | Public Opinion, | New York City. |
| The Daily Cataract, | Niagara Falls, N. Y. | The Congregationalist, | Boston, Mass. |
| The Irwin Standard, | Irwin, Pa. | American Grocer, | New York City. |
| Shoe and Leather Reporter, | New York City. | The Varnville Enterprise, | Varnville, Hampton Co., S. C. |
| The Hammondsport Herald, | Hammondsport, N. Y. | The Herald, | Coeymans, N. Y. |
| The Clinton Courier, | Clinton, Oneida Co., N. Y. | Daytoner Volks-Zeitung, | Dayton, O. |
| Le Courrier de l'Ouest, | Chicago, Ill. | The Carleton Place Herald, | Carleton Place, Lanark Co., Ont. |
| The Manheim Sun, | Manheim, Pa. | Ballston Daily Journal, | Ballston Spa, N. Y. |
| The Summerside Journal, | Summerside, Prince Edward Island. | | |

NEW YORK TIMES.—The fiftieth anniversary number of the SCIENTIFIC AMERICAN, which has just been issued, is an interesting publication. It consists of seventy-two handsomely printed and illustrated pages, and comprises a most interesting review of the progress of the arts and sciences in the last half century. Some of the subjects treated in the number are: The transatlantic steamships, railroads, and bridges, physics and chemistry, the progress in printing, iron and steel, the phonograph and telephone, naval and coast defense, the sewing machine, electric engineering, the locomotive, photography, the telegraph, telescope and the bicycle. The original ocean steamships and the present transatlantic passenger steamships are contrasted in pictures, and the first railroad locomotives are shown in contrast with the present powerful machines.

NEW YORK EVENING TELEGRAM.—In the birth of the fiftieth anniversary number of the SCIENTIFIC AMERICAN the world of literature and science is materially benefited. From an artistic standpoint the paper is equally a success. Its covers are handsomely engraved and the seventy-two pages reviewing the progress of the arts and sciences during the last half century are profusely and tastefully illustrated.

NEW YORK HERALD.—In the way of periodicals, nothing of more permanent value has recently been issued than the fiftieth anniversary number of the SCIENTIFIC AMERICAN (Munn & Company). This gala number contains seventy-two pages, handsomely printed and profusely illustrated, comprising not only a history of the periodical from its inception to the present day, but a summary of all the various achievements in the great inventive era with which its existence is coeval.

THE JOURNAL OF COMMERCE, NEW YORK.—Munn & Co.'s SCIENTIFIC AMERICAN celebrates its fiftieth anniversary by the publication of a very handsome number in which is reflected that marvelous mechanical progress of the past half century which the SCIENTIFIC AMERICAN has so well recorded, and to which it has contributed so much. Steam transportation on land and sea was in its infancy in 1848, electricity and photography and industrial chemistry were in their earliest stages. The making of steel has been revolutionized in this half century, and other metallurgical and the textile processes have been changed almost as much. This anniversary number of

the SCIENTIFIC AMERICAN affords an admirable survey of the changes wrought by the most remarkable fifty years in the world's history, changes a large proportion of which originated in the United States. During this half century the SCIENTIFIC AMERICAN has been one of the most valuable disseminators of scientific knowledge, as well as one of the most faithful recorders of scientific progress.

AMERICAN GROCER.—The fiftieth anniversary of the SCIENTIFIC AMERICAN is marked by the issue of a grand number, handsomely illustrated and bound in a rich enameled cream cover, the design on which illustrates the most marked scientific achievements of the half century. Fac-similes of the first issues of the SCIENTIFIC AMERICAN occupy the first page. . . . The number is illustrative of the progress made during the life of the SCIENTIFIC AMERICAN, showing by pictures and text the wonderful changes wrought in the building of steamships, locomotives, electrical apparatus, etc. . . . We tender congratulations to our contemporary, with the wish that it may carry with it during the next half century the same spirit of zeal in the cause of science, mechanics, chemistry and manufactures as has marked its first half century of endeavor. Those of our readers who would know more fully the scientific record of the past fifty years should procure from Munn & Co. a copy of this notable anniversary number, and preserve it for future reference as an heirloom.

THE CINCINNATI ENQUIRER.—The fiftieth anniversary number of the SCIENTIFIC AMERICAN, published by Munn & Co., has just been issued from the press. It contains seventy-two pages of matter of great interest to every scientist and artisan, the review of the progress of arts and sciences during the past fifty years, being the crowning feature of a marvelously complete publication. The SCIENTIFIC AMERICAN is the recognized authority in its rapidly growing field, and is indispensable to those who would keep abreast of the times in industrial science.

ANNAPOLIS EVENING CAPITAL.—In commemoration of the fifty years of existence of the firm, the proprietors of the SCIENTIFIC AMERICAN, Munn & Company, have issued a special number of the SCIENTIFIC AMERICAN. We have the number before us, covering seventy-two pages with very numerous illustrations, some of exceeding interest, as being reproductions of what were scientific notabilities of former days, others relating to subjects of modern or of immediate interest. . . . It is, of course, impossible to suppose that the advance of the last half century, almost worthy to be called greater than the progress of all preceding ages, could be presented within the limits of an encyclopedia; but the work on this issue of the SCIENTIFIC AMERICAN appears to have been very carefully done, and no pains seem to have been spared to make it cover its ground.

ORANGE ENTERPRISE.—The fiftieth anniversary number of the SCIENTIFIC AMERICAN is another triumph for illustrated American journalism. It is a seventy page number in dainty covers of blue and gold and contains beautifully and completely illustrated articles on the progress of all the leading American inventions. It is a valuable addition to the industrial history of our country and should be in every school-room.

NEWBURG JOURNAL.—The current number of the SCIENTIFIC AMERICAN is notable and worthy of preservation as part of any well stocked reference library. This issue is commemorative of the fiftieth anniversary of the publication of the paper by its present owners, Munn & Company. It is an enlarged number, the keynote of which is "the progress of invention during the past fifty years." And well have the publishers accomplished that which they set out to do. Concise and interesting descriptive matter embellished by hundreds of illustrations, combined to present a particularly valuable record.

PHILADELPHIA PUBLIC LEDGER.—The fiftieth anniversary number of the SCIENTIFIC AMERICAN is an exceedingly valuable issue of that always valuable periodical. All of its readers who have any interest in the history and statistics of invention will preserve it for future reference, for it is rich in the line of useful information.

ORANGE, N. J., JOURNAL.—The SCIENTIFIC AMERICAN celebrates its fiftieth anniversary this week by issuing a most elaborate and interesting number. The cover is a beautiful work of art, and the contents are extremely interesting, with many fine illustrations.

THE INDEPENDENT.—The jubilee issue of the SCIENTIFIC AMERICAN, celebrating the fiftieth anniversary of its establishments is not merely a beautiful number, but very instructive. It takes up the various scientific and industrial departments in which great progress has been made during the last half century, and tells their story. It is a number to be read and preserved with care.

BUFFALO EXPRESS.—A notable anniversary publication is the special number of the SCIENTIFIC AMERICAN just out, celebrating the fiftieth birthday of that very useful and successful journal. This number contains reviews of the progress made in the last fifty years in the sciences and the arts, gives historical sketches of some of the most notable inventions made during this period. . . . The anniversary number is provided with a characteristic cover and is printed in handsome style.

BOSTON POST.—Some excellent reading in the way of history in scientific progress is found in the fiftieth anniversary number of the SCIENTIFIC AMERICAN just published. The illustrations of the primitive and modern steamships, in printing and in other triumphs of science are of the deepest interest.

CHESTER (Pa.) TIMES.—It was fitting that a paper whose range of subjects is so extensive should devote its semi-centennial number to a review of scientific and industrial developments during the past fifty years, and Messrs. Munn & Company are to be congratulated on the discriminating judgment with which this ambitious work has been carried out.

In a review of this kind the difficulty is so to select, condense and express the essential facts of the subject that the result shall be a reference book and a readable story in one. In the number before us the writers have achieved this result to a marked degree; the historical interest and the literary style of the articles being equally good. . . .

The subjects, which have necessarily been crowded out of the illustrated columns, are more briefly noted in a very readable article at the commencement of the paper, and not the least interesting feature is the admirable essay on the Progress of Invention During the Past Fifty Years, which won the \$250 prize offered by the editors for the best essay on the subject.

READING HERALD.—The SCIENTIFIC AMERICAN, the best known of the popular scientific journals of the day has just celebrated its fiftieth anniversary of publication by issuing a large

special edition superbly gotten up. The greater part of the edition is taken up with a review of the progress of science and invention in the various departments during the fifty years of the publication's existence. . . . A perusal of the contents of this number gives one a new idea of the wonderful achievements and the application of scientific principles to commercial uses during the comparatively short period since the periodical began publication. The SCIENTIFIC AMERICAN has been most useful during this time in promoting invention and progress, and in disseminating popular information with regard thereto.

DAILY ADVOCATE (Stamford, Conn.)—Fifty years of uninterrupted publication and a wide circulation among the American people have rendered the SCIENTIFIC AMERICAN, New York, a household term. The editors have issued a handsome anniversary number, which reviews the progress of arts and sciences during the past half century, and is enriched with copious illustrations. It includes portraits and sketches of celebrated inventors and men of science, and the full text of the prize essay on the Progress of Invention.

DAILY TIMES (Norristown, Pa.)— . . . The many articles are thoroughly technical, and they are written in a racy and popular style, which makes the whole volume—it is nothing less, being equal to a book of 442 ordinary pages—thoroughly readable. It is inclosed, for preservation, in a handsome cover, and is sold at the price of 10 cents.

HOME JOURNAL.—The fiftieth anniversary number of that famous technical weekly, the SCIENTIFIC AMERICAN, is in every respect what was anticipated—an elaborate, brilliant, and accurate resume of the wonders of science in every department during the last half century, including a prize essay on "Inventions of the Past Fifty Years." It is a valuable issue, and worthy to be preserved alongside of the semi-centennial of the Home Journal, issued a few months ago.

WALTHAM (Mass.) DAILY FREE PRESS.—To commemorate its fiftieth anniversary, the SCIENTIFIC AMERICAN has made its issue of July 25 one of extraordinary interest, value, and artistic merit. This number contains over forty pages and reviews by copiously illustrated and well written articles the progress made during those fifty years.

A prize of \$250 was offered by the publishers for the best essay on the subject of the progress of invention during the past fifty years. Essays of excellent quality were produced, and that receiving the prize is published in this issue.

LONG ISLAND DEMOCRAT (Jamaica, L. I.)—The SCIENTIFIC AMERICAN has reached the mature age of fifty years. It is, therefore, with commendable pride that its editors and proprietors have prepared a special anniversary number with four times the usual number of pages to celebrate the occasion. This number contains reviews of the progress made in the last fifty years in the sciences and the arts, gives historical sketches of some of the most notable inventions made during this period and is filled with interesting illustrations.

STRATFORD EVENING HERALD.—Our acknowledgments and greetings are due to the SCIENTIFIC AMERICAN, the receipt of whose anniversary number reminds us that our esteemed contemporary has completed the first half century of its existence. . . . The illustrations appear to have been chosen with a strict regard for their historic interest and readers will linger longer over such reviews as those of the American-built steamer Arctic, the fastest vessel on the Atlantic in 1852, Morse's pendulum instrument of 1837 and his telegraph receiver of 1844, Edison's first phonograph, the Patent Office models of Howe's and Wilson's sewing machines, the first "safety" bicycle, the first McCormick reaper, the original Franklin hand press, cuts of the early forms of the telephone and electric motor, and many another engraving of historic interest.

JEWISH MESSENGER.—The fiftieth anniversary number of the SCIENTIFIC AMERICAN is to be welcomed. It contains a prize essay by Edward W. Byrn, of Washington, on the progress of invention during the last fifty years, and articles on the various chief subjects of inventive thought by competent writers. Its illustrations of "then and now" are interesting and illuminating.

TYRONE (Pa.) DAILY HERALD.—The golden anniversary of an American technical journal is not so common an event, but it calls for special notice and a warm word of fraternal greeting. The receipt of the handsome semi-centennial number of the SCIENTIFIC AMERICAN, of New York, gives us the opportunity to congratulate this long established and justly esteemed journal of its golden anniversary and the effective and characteristic manner in which it has signalized it. For fifty years our contemporary has devoted itself to a weekly chronicling of the world's progress in science and industry. In a review covering so wide a range it was evidently impossible that even in an issue of seventy-two pages to treat every subject in detail, and we think that, on the whole, the selection has been judiciously made.

WATERBURY (Conn.) AMERICAN.—The fiftieth anniversary number of the SCIENTIFIC AMERICAN is a most interesting and valuable one, describing, as it does, the evolution and development of modern invention during the past half century. Illustrations of early forms of the printing press, the telephone, the locomotive, the steamboat, the sewing machine and other inventions are given and contrasted with the present articles of the same kind, and descriptions of the progress of inventive genius are scattered plentifully through the beautifully printed pages. The offices of Munn & Co. with their staff of workers thirty years ago are shown as well as those of to-day. The cover of this number is a work of art in itself, and will repay careful examination.

SUNDAY CALL (Easton, Pa.)—The SCIENTIFIC AMERICAN, of New York, has signalized its fiftieth anniversary by the publication of a very handsome seventy-two page special number, which consists of a review of the development of science and the industrial arts in the United States during the past fifty years. It was an ambitious undertaking, and the work has been well done.

NEW LONDON DAILY GLOBE.—The fiftieth anniversary number of the SCIENTIFIC AMERICAN is a splendid number, a storehouse of information to mechanics and inventors. Its intrinsic worth is ten times its cost.

THE COAL TRADE JOURNAL (New York).—The fiftieth anniversary number of the SCIENTIFIC AMERICAN reviews the progress of the past fifty years in the various sciences and industrial arts, and the various articles by the best scientific writers of the day are racy written and richly illustrated. The editors have accomplished the difficult task of presenting a compendium of information that shall be at once historical, technical and popular. The interest never flags for a moment, and the story of a half century's growth is in itself a veritable compendium of valuable scientific information for future reference.