ILLUSTRATED SCIENTIFIC AMERICAN.

The Best Mechanical paper in the World:

EIGHTEENTH YEAR.

VOLUME VIII.—NEW SERIES.

A new volume of this popular Journal commences on the first of January. It is publish. of the Great Rebellion in the United States. ed weekly, and every number contains sixteen The work has been for many months in course pages of useful information, and from five to for the task. discoveries, all of which are prepared expressly for its columns."

contains from six to ten engravings of new and the various phases which they assumed machines and inventions, which cannot be until their final culmination in the Great Refound in any other publication. To the Inventor.—The Scientific American

only contains illustrated descriptions of near-ly all the best inventions as they come out, but each number contains an Official List of the Claims of all the Patents issued from the United States Patent Office during the week United States Patent Office during the week to an immense Army and Navy; and the Bat-the progress of invention in this country.— We are also receiving, the best Scientific jour-mals of Great Britia., France and German; thus placing in our possession all that is trans-piring in mechanical science and art in these journals of whatever we may deem of interest. We are readers. Events of the War; the intriguos of the South-the progress of invention in this country.— We are also receiving, the best Scientific jour-mals of Great Britia., France and German; to our columns copious extracts from these for that purpose to accompany every division Sour readers. DOWNER'S METROPOLITAN SKEIN-WEINDER

bour readers.

mode of obtaining Letters Patent on new in-Every facility at the command of the Pub-Sections is furnished free on application. Section is furnished free on application.

entees for whom they have done business. No charge is made for examining sketches

and models of new inventions and for advis- will be issued in Numbers, consisting of 24 Price 50 Cts. to \$1 according to Style and Finish

discoveries in the science of chemistry are possible, of about three or four weeks. given in its columns, and the interests of the architect and carpenter are not overlooked; all the new inventions and discoveries apper-taining to these pursuits being published from week to week. Useful and practical informa-

mill-owners will be found in the Scien- find no other work so sure of ready sale and cts in which farmers are interested will Sub be found discussed in the Scientific American; and most of the improvements in agri-

columns TERMS .- To mail subscribers : Three Dollars a year, or One Dollar for four months .--The volumes commence on the first of Janua-

dian subscribers will please to remit twenty-fits patrons to serve in the War for the five cents extra on each year's subscription to

prepay postage. MUNN & CO., Publishers, 37 Park Row, N. Y.

THE PRIDE OF NEW YORK.

Grand Mirror of American Genius.

"Correct with spirit eloquent with ease, Intent to reason, or polite to please."

The New York Mercury. FOR THE NEW YEAR.

It is with no fear of War's effect upon their literary fortunes, that the publishers of The New York Mercury acknowledge the unway-and jeffort of the slave power, from the Annex-min literary for the two hundred thousand at the fort of the slave power, from the Annexreing loyalty of the two hundred thousand subscribers, and announce to them and to all, the Empire of the New World and wield the sonally to a single individual. I would state (1863) will be richer in every luxuy of Po-bits Literature then aver before. It is no un-aristocrate and despots of the Old World who There are very ling that is to result of the New York.

THE BEST WORK FOR CANVASSING AGENTS. HARPER'S PICTORIAL HISTORY

Aew Harness

THE undersigned would respectfully inform the surrounding community that he has

aken the rooms formerly occupied by John

All kinds of Harness Work

LONG STRAW COLLARS,

Repairing done in good style.

The public are invited to call and examin

before purchasing elsewhere. S. P. MINAR.

SOMETHING NEW !

Highly Important to the Ladies ! DOWNER'S PATENT HEMMER AND SHIELD

FOR HAND SEWING,

DOWNER'S METROPOLITAN SKEIN-WEINDER

Sewing-Bird Combined

purpose of winding skeins of Thread, Silk Cotton, Yarn, Floss, Worsted, &c. It is readily

djusted to the work-table, and will be found

Employment.

For upwards of three years past, I have been engaged in a business, which has yielded

me at the rate of Three Thousand Dollars per

the Sewing-Bird.

Address

Cocdersport Oct. 16th, 1860.

Mann, where he is prepared to d

Shob

THE GREAT REBELLION IN THE UNITED STATES.

Messrs. Harpers & Brothers have commenc-ed the issue in Numbers of a complete History n the shortest notic nsure their success.

The Introduction contains a clear and suc cinct account of the formation of the Confed-To the Mechanic and Manufacturer.—No person engaged in any of the mechanical or manufacturing pursuits should think of "do-ing withont" the Scientific American. It costs but six cents per week; every number bellion!

The History comprises a full account drawn is indispensable to every inventor, as it not from the most authentic sources, of all the only contains illustrated descriptions of near- Events of the War; the intrigues of the South-

our renders. A pamphlet of instructions as to the best of our Army and Navy.

Messrs. Munn & Co. have acted as Patent and execution of this work ; and they confi-Solicitors for more than seventeen years, in dently believe it will form the most trustwor-connection with the puplication of the Scient thy and valuable history which can be presolution who the pupilication of the Steel pared of the Great Struggle for the American indispensable to all using the above articles being a useful and invaluable appendage to Mode and Terms of Publication The work

pages of the size of Harper's Weekly, printed \$150 per Month can be Real-

mers.—The Scientific American will be found most useful journal to them. All the new discoveries in the science of chemicar The price of each number, which contains

matter equivalent to an ordinary volume, will be Twenty-five Cents. The lilustrations in each number are alone week to week. Useful and practical informa-tion pertaining to the interests of millwrights meht, especially Sick or Disabled Sold ers can

For further particulars apply to the publishers HARPER & BROTHERS, Franklin Square, New York. cultural implements being illustrated in its The New York Tribune 1863.

THE NEW YORK TRIBUNE, first issued it 1841, now in its twenty second year, has obtained a larger and more widely diffused cirry and July. Specimen copies will be sent culation than any other newspaper ever pub-gratis to any part of the country. lished in America. Though it has suffered, Western and Canadian money or Post-Office in commou with other journals, from the volstamps taken at par for subscriptions. Cana- unteering and departure of tens of thousands

1862, is as follows : DAILY 50.125 SEMI-WEEKLY 17,250

WEEKLY 148,000 Aggregate 215,375

inently a journal of News and Literature The Tribune has political convictions which are well characterized by the single word RE-PUBLICAN. It is Republican in its hearty adhesion to the great truth that "God has made of one blood all nations of men"-Republican in its assertion of the equal and inalienable acquire the art, and these instructions will sold for \$3 per dozen.

lite Literature than ever before. It is no up- aristocrats and despots of the Old World, who Three Dollars will buy everything that is start speculation, no temporany "sensation," fondly hall in the perils and calamities thrust necessary to commence the business with, Three Dollars will buy everything that is

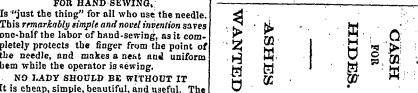
OLMSTED & KELLY'S S TORE can always be found the best of Cooking, Box and Parlor STOVES.

A T

also kept constantly on hand. These collars FRYING-PAN are a superior article, and need but a trial to RONS. Also, Agricultural Implements, such as PLOWS, SCRAPERS, CULTIVA. TORS, CORN-SHELLERS, HORSE-RAKES

Surcingles, Martingale-rings, Hames, and DOG-POWERS, &c. Hame straps, &c., kept constantly on hand. THEIR WORK

> part of the County-Terms easy. Ready Pay of all kinds, including Cash, seldom refused. Store on Main Street opposite the Old Cour House, Coudersport. Aug. 1, 1859.-50



A carefully selected stock of **NEW GOODS**

lust arriving from New York, such as CLOTHING, DRY GOODS, GROCERIES, BOOTS & SHOES, HARDWARE, CROCKERY

HATS & CAPS, NOTIONS, SCHOOL BOOKS, &:

Cheap for Ready-pay. | 10,000 Bushels ASHES and 50 bbls. EGGS

Wanted. FOR

φ

西

LLOYD ized by enterprising Agents (wanted in every MAPS town and County throughout the United States and Canada,) selling the above articles, as sales are rapid, profits large, and has no com-

SALE NO petition. A liberal discount to the trade. A, H. Downer, **3**0 VÒ. R

442 Broadway, New York, Patentee and Sole Proprietor. LUCIEN BIRD. N.B.-General and exclusive Agencies will be granted on the most liberal terms.--ml93m

Brookland, Pa., Nov. 17, 1862.

THE HEROES OF PEACE THE HEROFS OF WAR

me at the rate of Three Thousand Dollars per innum, but being desirous of going to Europe in the course of a few months for the purpose of there introducing the basiness, I au willing to teach it to any one who will send me One Dellas The build and the off a few months for the purpose to teach it to any one who will send me One Dellas The build and the off a few months for the purpose to teach it to any one who will send me One Dellas The build and the off a few months for the purpose to teach it to any one who will send me One Dellas The build and the off a few months for the purpose to teach it to any one who will send me One Dellas The build and the off a few months for the purpose to teach it to any one who will send me One

Dollar. The business is no humbug, but of a in which is included Portraits of nearly all the highly useful and general character, adapted prominent men of America, not excepting Jeff both to cities and villages, and one that any Davis, Gen Beauregard, Floyd, and a host of person of ordinary capacity, young or old, other confederates. Price of Portraits, 3,00 male or female, can acquire with a few hours' per dozen. Can be sent by mail.

practice, and by which they can secure a very Scenes of the War for the Union, handsome income. Several young ladies who are published, card size, and in Stereocopi

New York State and Pennsylvania, are earn- Stereoscopic views of scenes in Paris, Lon ing upwards of Fifteen Dollars per week by it, don, and in other parts of England and France.

and there is no reason why any one else can-not do the same Invalids, even, can do well land, Spain, on the Rhine, in Athens, Egypt by it, as it is no peddling affair. but a business Turkey, the Holy Land, China, India, Cuba, that is perfectly respectable. Gentlemen and ac., &c., ad infinitum. Iadies of leisure who would like to learn the Our Instantaneous Stereoscopic Views are

business for their own amusement or pleasure, will find the practice of it a pleasant pastime, and one that they will take great interest in. On receipt of One Dollar I will send printed or the march of an army, does not in the least instructions by which any person can readily affect the taking of these views. They are

also contain every particular relative to the We have also on hand and manufacture the carrying it on so that it will be highly profit-largest assortment of Stereoscopes, Photo-We have also on hand and manufacture the able. The purchaser of the "printed instruc-tions" will also be authorized to teach it to in the United States, and perhaps in the world

MAYORS OF THE To Consumptives. THE Advertiser, having been restored to health in a few weeks, by a very simple remedy, after having suffered several years with a severe lung affection, and that dread disease, Consumption is anxious to make known to his fellow sufferers the means of cure. To all who desire it, he will send a Physicians of our several cities have signed Also, TIN and SHET-IRON WARE, POTS, copy of the prescription used (free of charge.) Physicians of our several clues have argued a document of assurance to us that AYER'S KETTLES, SPIDERS, SCOTCH BOWLS, with the directions for preparing and using SARSAPARILLA has been found to be FRYING-PANS, SAP-PANS, and CAULD-the same, which they will find a sure Cure for a remedy of great excellence and worthy Consumption, Asthma, Bronchitis, Sc. The on-ly object of the advertiser in sending the Prescription is to benefit the afflicted, and spread information which he conceives to be invaluable, and he hopes every sufferer will try his remedy, as it cost them nothing, and may THEIR WORK is well made and the material good. Good and substantial EAVES-TROUGES put up in any REV. EDWARD A. WILSON, Williamsburg Kings County, N. Y Sept. 24.-3m. STOP! STOP!

> MONEY, MONEY SAVED AT THE Union Clothing Emporium Corner of Main and Plank Road Sts. YOU WILL SAVE

> > From 25 to 80 Cents! on every Dollar

By purchasing your CLOTHING AND FURNISHING

GOODS At the new Union

CLOTHING EMPORIUM. D. STRAUS & CO.

Wellsville, N. Y., 1862 UNPARALLELED ATTRACTION

New Storel New Goods

The undersigned beg leave to inform the public that they have opened business at

HON. J. BLAISDELL, WELLSVILLE, N. Y., Corner Main and Plank Road Streets, opposite

HON. W. H. CRANSTON, the Union Block, where they will display an entire new stock of

Readymade Clothing, and

GENT'S FURNISHING GOODS,

which will far surpass in quality, style and price anything ever exhibited in this town. We are aware that to build up a large trade it is not only necessary to have desirable goods, but to

> SELL THEM CHEAP, HON. GERARD STITH.

And we will make it an object for buyers to examine our stock before purchasing else-where. All goods shown cheerfully, repre-HON. H. D. SCRANTON, sented fairly, and submitted to the purchaser's

unbiased opinion. HON. DE WITT C. GROVE. This is a branch of an extensive manufac-

Mayor of UTICA, N. Y. CO. WILSON,

HON.

Great Cities. We, the undersigned Mayors, hereby cer-tify that the Druggists, Apothecaries, and

the confidence of the community.

HON. JAMES COOK. Mayor of LOWELL. MASS. HON. ALBIN BEARD, Mayor of NASHUA, N. H. HON. E. W. HARRINGTON, Statist Mayor of MANCHESTER, N. H. HON. JOHN ABBOTT. Mayor of CONCORD, N. H. HON. A. H. BULLOCK, Mayor of WORCESTER, MASS. HON. NATH'L SILSBEE, Mayor of SALEM, MASS. HON. F. W. LINCOLN, Jr., Mayor of BOSTON, MASS. HON. WM. M. RODMAN, Mayor of PROVIDENCE, B. I. HON. AMOS W. PRENTICE. Mayor of NORWICH, CONN. HON. J. N. HARRIS, Mayor of NEW LONDON. CONN.' HON. CHAS. S. RODIER, Mayor of MONTREAL, O. E. HON. D. F. TIEMANN. Mayor of NEW YORK CITY. HON-H. M. KINSTREY. Mayor of HAMILTON, C. W.

Mayor of TORONTO, C. W.

Mayor of CINCINNATI, OHIO.

Mayor of BOWMANVILLE, C. W.

Mayor of LOUISVILLE, RY.

Mayor of LYONS, IOWA.

Mayor of AUGUSTA, MEL

Mayor of HALLOWELL, ME.

Mayor of FREDERICTON, N. B.

Mayor of NEW BEDFORD, MASS.

Mayor of FALL RIVER, MASS.

Mayor of NEWPORT, R. L.

Mayor of GALENA, ILL.

Mayor of DUBUQUE, IOWA.

Mayor of TUSCALOOSA, ALA.

Mayor of MEMPHIS, TENN.

Mayor of NEW ORLEANS, LA.

Mayor of ROCHESTER, N. Y.

Mayor of PITTSBURG, PA.

HON. ADAM WILSON.

HON. R. M. BISHOP,

HON. JOHN SLOAN,

HON. I. H. CRAWFORD,

HON. JAMES MCFEETERS,

HON. JAMES W. NORTH,

HON. JAMES S. BEEK,

HON. WILLARD NYE.

HON. FRED STAHL,

HON. JOHN HODGDEN.

HON. ROBERT BLAIR,

R. D. BAUGH,

HON. THOMAS CRUTCHFIELD.

Mayor of CHATTANOOGA, TENN.

HON. HENRY COOPER, Jr.,

ter of a century; and while the wishy-washy prints of yesterday are cutting down their talent even while they raise their subscription price, The Mew York Mercury maintains all its great Staff of Romancers, Poets, Humor-ists, Essayists, Story-Tellers, and Editors, and promises to make it still greater for 1863. It is the one paper for every home. Its for-ty columns of reading-matter per week con-stitute an unparalleled conservatory of the entertaining, and its Novels, Miscellaneous Tales, Beautics of Yerse, Gossip, Feulletons, Brogdsides of Humor, and Polished Editori-ale, combine to epitomize all the charms of wit and sentiment 1 The husband rends it to his wife, the mother to her children, the lover to his weekbeart, the soldier to his comrades, and whaterer less mainly devoted to the invigor-to his wife, the mother to her children, the lover to his weekbeart, the soldier to his comrades, and whaterer less mainly devoted to the invigor-tits special correspondents accompany every his wife, the mother to her children, the lover to his weetheart, the soldier to his comrades, and the village schoolmaster to the circle around the stove. It is familiar to the sight of every man, woman, and child in our coun-try, and has regular subscribers in several countries of Europe. The New York Mercury is also identified with the grandest patriotism of the age, for several members of its brilliant Staff hold high rank in our noble army and of the progress and of the regress and of the progress and fuller or more accurate view of the age, for several members of its brilliant Staff hold high rank in our noble army, and of the progress and character of this momen-have made themselves as famous with the tous conflict be obtained than through the Sword as with the Pen. The great illustrat-ing artist of The New York Mercury. the in-mitable Darley, gives the paper the highest thributes of Fine Art; and yet this largest literary weekly of the day promises to surpass in extending its circulation. TERMS':

DAILY TRIBUNE.

SENI-WEEKLY TRIBUNE.

in extra copy will be sent to clubs of twenty

WEEKLY TRIBUNE.

\$3

12

\$2 5

15

22 50

One Copy, one year (104 issues)

One copy, one year (52 issues)

Two copies, one year Five copies, one year

Three copies, one year

Five copies, one year

Ten copies, one year

Ten copies, one year

nd over.

The first New York Mercury Novelette for the New Year, to be commenced in the issue of January 3, 1863, is called VICTORIA; or The Heiresss of Castle Cliffe. By Cousin May of the Tribune. Our new terms are: Carleton, Author of "Gipsey Gower," "Sybil Campbell," "Ermine," "La Masque," &c., &c. Single Copy 3 cents. Mail subscribers, 1 year (311 issues) \$8

The productions of this distinguished authoress need no eulogy. Public opinion long since pronounced thom superior to, any other novelettes published on this side of the Atin the fact that they are eagerly reproduced, after their publication in the Mercury, by the English press. We may add that the new fact in the fact that i four and the the new tale, "Victoria," is fully equal in interest and depth of plot to either of those which have secured so large a share of public approval, and we can earnestly recommend it to all story-readers.

Any larger number, addressed to names of subscribers, \$1.50 each. An extra copy will The New York Mercury is sold by all newsmen and periodical dealers in America. To be sent to every club of ten. subscribers it is regularly mailed every Saturabbachibers it is regularly mailed every Satur-day morning, for 2 a year; three copies for \$5; six copies for 9; eight copies for \$12, with an extra copy, free; to the getter up of the club. Six months' subscriptions received. Always write plainly the name of your Post Of-flee, Conny and State We take the notes of all solvent banks at nar Parmar must in Address, THE TRIBUNE. All solvent banks at par. Payment must in- **Tarisbly** be made in advance. **1920**. Specimen **Copies** sent free to all applicants. Address Address, THE TRIBUNE, Tribune Buildiogs, New York.

"It is always ready; this commends it to

everybody."—N. Y. Independent. "We have tried it, and find it as useful in our house as water."—Wilkes'Spirit of the Times

Price 25 Cents per Bottle. Very liberal reductions to Wholesale Dealers TERMS CASH. For sale by all Druggists and Store eepers generally throughout the country.

JOHNS & CROSLEY, (Sole Manufacturers.) 78 William Street, New York. Corner of Liberty Street.) jy9ly

WESTERN FOTEL. Nos. 9. 1, 13, 15, 17. COURTLANDT STREET

Near Broadway, New York City. This old-established and favorite resort the Business community has been recently re- Repaired on short notice and warranted to fitted, and is complete in everthing that can give satisfact on. minister to the comfort of its patrons. Ladies A good assortm A good assortment of

and Families are specially and carefully provided for. represented. As an even exchange is no rob-bery I will give you time for Money. Coudersport, Dec. 16, 1861

In consequence of the pressure caused by the Rebellion, prices have been reduced to ONE DOLLAR AND FIFTY CENTS PER DAY. The table is amply supplied with all the luxuries of the season, and is equal to that of THE Steam Saw and Grist Mill at Germa-

any other hotel in the country. Ample accommodations are offered for upfor an industrious man with some capital

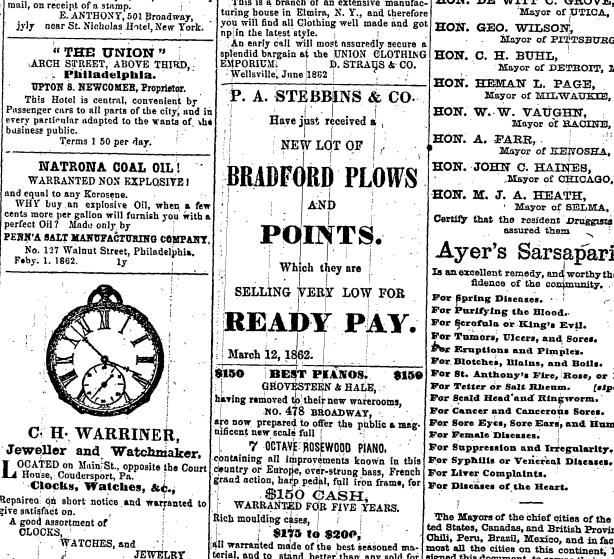
ward of 400 guests. Do not believe runners, backmen, and others who may say "the Western Hotel' is full." D. D. WINCHESTER, Proprietor. Thos. D. Winchester.

The Rochester Straw-Cutter

all letters and remittances, post paid, to OAULDWELL & WHITNEY, Proprietors of the Post-Office and State should in all cases The New Fork Moreory, 113 Fulton st., N.Y. City. be plainly written. Soan as procured it is much all letters and company. Charter and state should in all cases the Post-Office and State should in all cases The Partnership Soan as casing made with it, as making all letters and remittances, post paid, to CAULDWELL & WHITNEY, Proprietors of the Post-Office and State should in all cases the Post-Office and CHEAP. The Partnership State would be form of the Post-Office and State should in all cases the Post-Office and State should in all cases the Post-Office and State should in all cases the Post-Office and CHEAP. The Partnership State would in all cases the post-Office and State should in all cases the Post-Office and State should in all cases the plainly written. State would in all cases machine, in this county. It is covenient, du-able, and OHEAP. Dec. 1, 1860.-12 by the withdrawal of the undersigned. HENBY GARRETT.

For Sale or to Let.

nia, Abbot township, Potter county, Pa.



vided for. It is centrally located in the business part of the city, and is contiguous to the principal lines of steamboats, cars, omnibuses, forries. WATCHES, and JEWELRY terial, and to stand better than any sold for terial, and to stand better than any sold for signed this document, to assure their people what remedies they may use with safety and ture. We invite the best judges to examine ture. We invite the best judges to examine a portion of them. ready at all times to test them with any others

manufactured in this country. GRAVESTEEN & HALE, [3m] 478 Broadway, New York.

Doing an excellent business ; a first rate stand SAPONIFIER, SAPONIFIER! THE FAMILY SOAP MAKER. All Kitchen Grease can be made into good SOAP, by using Saponifier !

Those reflecting must apply soon to WILLIAM RADDE, 300 Broadway, N. Y. Or at the Mill at Germania. August 27, 1862. DIRECTIONS ACCOMPANYING EACH BOX Soap is as easily made with it, as making

> Feby. 1, 1862. 17

Mayor of DETROIT, MICH. HON. HEMAN L. PAGE, Mayor of MILWAUKIE, WIS. HON. W. W. VAUGHN, Mayor of BACINE, WIS. HON. A. FARR, Mayor of KENOSHA, WIS. HON. JOHN C. HAINES, Mayor of CHICAGO, ILL. HON. M. J. A. HEATH, Mayor of SELMA, ALA. Certify that the resident Druggists nave assured them Ayer's Sarsaparilla Is an excellent remedy, and worthy the confidence of the community. For Spring Diseases. For Purifying the Blood. For Scrofula or King's Evil. For Tumors, Ulcers, and Sores. For Eruptions and Pimples. For Blotches, Blains, and Boils. \$159 For St. Anthony's Fire, Rose, or Ery-For Tetter or Salt Rheum. [sipelas. For Scald Head and Ringworm. For Cancer and Cancerous Sores. For Sore Eyes, Sore Ears, and Humors. For Female Diseases. For Suppression and Irregularity.

The Mayors of the chief cities of the United States, Canadas, and British Provinces, Ohili, Peru, Brazil, Mexico, and in fact al-

Ayer's Sarsaparilla. Ayer's Cherry Pectoral, Ayer's Pills, and Ayer's Ague Cure, PREPARED BY Dr. J. C. Ayer & Con LOWELL, MASS., And sold by Druggists every where. Sold by C. S. & E. A. Jones, Coudersport Mann & Nichols, Millport ; Colwell & Lyman Roulet ; A. Corey & Son; Ulysses ; A. B. Horton, Cushingville; and by Dealers generally