







# TRI-WEEKLY EDITION.

### WINNSBORO, S. C., SATURDAY, DECEMBER 15, 1877. {VOL. 1. NO. 132

### NEW ADVERTISEMENTS.

BEATTY Pfano, ORGAN best. 77"Look starting! see! Organs, 12 stops \$55, Planos only \$130, cord \$550, Circulars free. DANIEL F. BEATTY, Washington, N. J.

GUNS and Revolvers. Illustrated Price

3 new vocal and 2 new instrumental pieces Sheet Music, 10 cents, silver stps. MUSIC PUBLISHING COMPANY, Middleboro, Mass.

Co., Philadeiphia Pa., or Milwaukee, Wisconsin.

AGENTS Wanted Medals and Diplo-mas Awarded FOR HOLMANS' NEW

PICTORIAL BIBLES,

200 Illustrations. Address for new circulars A. J. HOLMAN & CO., 930 Arch Street Phila.

ORK DAYS OF GOD.

W E will during these hard times and W the holidays dispose of 100 NEW PIANOS and ORGANS, of first-class makers at lower prices for eash, or in-stallments, than over before offered.

A Great Offer For Holidays !

WATERS' Pianos and Organs are the best made, warranted for five years. Illustra-ted Catalogues mailed. Greet inducetea Catalogues mailed. Greet induce-ments to the trade. Pianoz 7 octave, \$140; 74 octave, \$150. Organs, 2 stops, \$18; 4 stops, \$53; 7 stops, \$65; 8 stops, \$70; 10 stops, \$85; 12 stops, \$90; in perfect order not used a year. Sheet Music at half price. HORACE WATERS & SONS, Manufacturers and Dealers, 40 East 14th Street, New York. nov 30.4w

-HAS COME-

With a Fresh Stock of Fall and

Winter Goods,

AT THE DRY GOODS, FANCY

GOODS AND

Millinery Bazaar.

-0

IMPORTANT ANNOUNCEMENT.

W E take pleasure in announcing to

our friends and the public generally that

we are now opening the finest and most omplete assortment of

FALL AND WINTER GOODS,

including Millinery and Fancy Goods in

ELEPHANT

nov 30-4w

THE

VEGETINE WILL CURE RHEUMATISM.

MR. ALBEICT CROOKER, the well-known druggdst and apothecary, of Springvale, Me., always advises every one troubled with Rheu-matism to try VEGETINE.

# Read His Statement.

Read His Statement. SPRINGVALE, ME., Oct. 12, 1876. MR. H. R. STEVENS : Dear Sit: --Fitteen years ago last fall I was taken sick with rheumatism, was unable to move unail the next April. From that time until three years ago this fall I suffered every-thing with zheumatism. Sometimes there one step ; these attacks were quite often...1 suffered everything that a main could, Over three years ago last spring I continuenced taking VEGETINE and tobowed it up until I had taken seven bottles; have had no rheumatism since that time. I always advice every one that is troubide with rheumatism is to try VEGETINE, and not suffer for years as I have done. This statement is gratuitous as far as Mr. Stevens is concerned. Yours, etc., Firm of A. Crooker & Co., Druggists and Apothecaries.

### VEGETINE

HAS ENTIRELY CURED ME.

MR. H. R. STEVENST BOSTON, OCTODER, 1870. MR. H. R. STEVENST Dear Sir :- My daughter, after having a severo attack of whooping Cough, was lett in a feeble state of health. Being advised by a friend she tried the VEGETINE, and after using a few bottles was fully restored to health. I have been a great sufferer froin Rheuma-tism. I have taken several bottles of the Vege-tine for this complaint, and an happy to say it has entirely cured me. I have recommended the Vegetine to others with the same good re-sults. It is a great sufferer froi tho blood ; it is pleasant to take and I can cheer-fully recommend it. JAMES MODER

JAMES MORSE, 364 Athens Street.

# Rheumatism is a Disease of the Blood.

**LE100C.** The blood in this disease is found to contain an excess of *ibidia*. VEGETINE acts by convert-ing the blood from its diseased condition to a healthy circulation. VEGETINE regulates the bowels which is very inportant in this com-plant. One bottle of Vegetine will give relief, but to effect a permanent cure it, must be taken regularly, and may take several bottles, espe-cially in cases of long standing. VEGETINE is sold by all druggists. Try it, and your verdlet will be the same as that of thousands before you, who say, "J never found so much relief as from the use of Vegetine," which is composed exclusively of barks, roots and herbs.

"VEGETINE," says a Boston physician, "has no equal as a blood purifier. Hearing of its many wonderful cures, after all other remedies had tailed, I visited the iaboratory and con-vincet myself of its genatione merit. It is pre-pared from barks, roots and herbs, each of which is highly effective, and they are com-pounded in such a manner as to produce as-tonishing results."

# VEGETINE NOTHING EQUAL TO IT.

SOUTH SALEM, MASS., Nov. 14, 1876. MR. H. STRVENS: Dear Sir: -- I have been troubled with Scrot-ula, Canker and Liver Complaint for three years; nothing ever did me any good until I commenced using the VEGETINE. I am now getting along first-rate, and still using the Vegetine. I consider there is nothing equal to it for such complaint; Can hearthy recom-mendit to everybody. Yours truly, MRS, LIZZIE M. PACKARD, No. 16 Lagrange Street, South Salem, Mass.

## VEGETINE ---PREPARED BY----

H. R. STEVENS,

Vegetine is Sold by all Druggists.

### MONSTERS OF DEATH.

THE FAMOUS KRUPP GUN FACTORY.

The Triumphs of Art -- Casting and Forging Reduced to a System-The Mammoth Hammer- Annealing and Banding-What the Playthings Cost. From the New York Herald.

As the artillery duels which were recently occurring around Plevna, in Shipka Pass, and elsewhere in Bulgaria and Armenia wore simply between Krupp guns served by Russians pitted against Krupp guns served by Turks, or Oboukhoff guns of the Krupp system against genuine Krupps and Armstrongs, a description of the great works at Essen, in Rhonish Prussia, which have produced the greater part of the heavy armanent of both contending Powers, will be found especially interesting. Horr Krupp has for years furnished, and is still furnishing, with great impartiality, steel rifled cannon to the Russian and Turkish, as well as to other foreign governmonts.

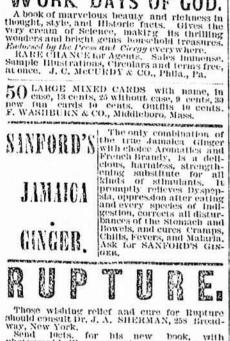
### THE GUN MANUFACTURE.

Krupp guns are made of solid low cast steel, manufactured in crucibles. The pig iron used at the works is manufactured from ores notably free from sulphur and phosphorus, and rich in manganese. It is manufactured at the firm's various blast furnaces from ore taken from mines owned by the firm, so that the manufacture, not of guns alone, but of the crude materials used, is under the same control, in itself a very great advantage. All the metal to be used in the crucibles undergoes a preparatory puddling. One quality of pig iron is puddled to steel, afterward being placed under the hammer and then passed through the rolls. When taken from the last rolling it is cut up into rectangular bars, which are broken into pieces of a size suitable for insertion in the crucibles. Another sort of pig is puddled still longer until wrought iron is produced. This, like the crude steel, is rolled, barred and cut into lengths suitable for transferral to the crucibles. The mixture placed in the plumbago clay crucibles consists of the steel and wrought iron in certain proportions which long practice has shown to be most advantageous and of several other ingredients not known to the outside world. In the buildings of the casting department there are a sufficient number of furnaces to accommodate the large number of 1,600 crucibles, having an average

perature the car and its load are drawn out and on to the hummer. The heating of such largo masses of steel uniformly throughout without burning the outside is an operation of great delicacy, and which is very successfully performed at the Krupp works. On arriving at the hammer the crane chains are placed around the ingot and it is hoisted to the anvil, underneath the ham-mer. For the immense fifty ton. hammer, which is the largest in use at the works, the anvil or casting which receives the transmitted blow weighs 300,000 pounds, and rests upon a foundation which is built up from an excavation one hundred feet in depth. After being wrought under the great steam hammers to give the metal the texture required, and the gun ingot the necessary form, the tube ingot is taken to the boring and turning establishments, where the exterior is turned smooth to receive the first layer of hoops, the breech block cut and the interior channel bored out. In the operation of burning the ingot loses half its weight in the lathe.

### THE HOOPING

The tube is now ready to receive the first layer of hoops For these, large steel ingots are cast and forged into flat lengths. These are cut into pieces of the size required. for the rings and are forged into a peculiar shape. They have holes near either end, which are joined by a slot being cut into the ingot. Wedges are driven into the slot and it is gradually widened out and worked under a hammer into a ring like shape. This has at this stage of the operation about half the diameter and twice the thickness of the finished hoop. It is then heated and put over the rolls of a machine similar to those used in the manufacture of wheel tires. In revolving the rolls approach each other gradually, rolling the hoop to its desired size. By this operation it will be seen that an endless fibre is being developed in the direction of the hoop circumference. A jet of water is constantly playing over the steel mass while it is being developed on the rolls, thus, preventing any distortion. It is stated that in this way hoops of any required diameter can be produced, but not of a width exceeding six inches. These hoops so manufactured have, like the large tube ingots, no seams or welds, and are very uniform in texture. Everything being ready for the hooping the main tube is placed, muzzle end up, in a vertical position, and the hoops slipped on to their places. The hoops are previously heated in boiling lead, and, when the expansion is judged sufficient, are taken: out of the bath, wiped clean, slung: capacity of seventy pounds of metal to above the muzzle in a line with their intended position and let go. y along down the reach their position. slowly, and conperfect contact with: hoop manufacture adjustment are very ions. The calcularo very nice, as the hoops as first manube so calculated pansion in the bath cooling they will, on e a diameter which to exert a certain the same in all of upon the main tube,. other when supera the successful perhooping depends,. e, the gun's strength. The first layer of sen placed in posiagain taken to the hment, and the surlayer which is to nd is turned down ed diameter. The hoop on the gun: no turning establish-ops are kept from. rings, these being s, with rectangular scores out to rethe tube and first e first and second eech of the gun is the bore carefully required number of eccentric chamber osing mechanism at ljusted and the gun eture of a 14 inch sixteen months and th somo \$100,000 steel contains onecarbon and a conunt of silicon, and t tempering a tensile n 70,000 to 80,000 quare inch.



way, New York. Send Joets, for his new book, with photographic likenesses of bad cases before and after cure. Beware of cheats who protend to furnish Dr. sherman's treatment. One of these fellows, a German clerk, now calling himself Dr. W. G. Crenopica, is indicted on complaint of Dr. 8, and awaits trial for lorgery and embezziement.

# Agents



California. HABIT CURED. A Certain and Sure Cure.

Large reduction in prices. A trial bottle free. MRS. J. A. DROLLINGER, La Porte, Indiana, Box 1038. (Formerly Mrs. Dr. S. B. Collins).

Send for Reduced Price List of my stock and prices. Mason & Hamlin



Muslius, Poplins, Calicces, Ginghams, Gents' Goods, Notions, Corsets, Gloves, Hosiery, Bustles, Skirts. Shawls, Cloaks, &c. Men's and Boys' Hats. Boots and Shoes for Gents and Boys, Shoes and Gaiters for Ladies, Misses and Children.

A FULL STOCK OF

Fresh Groceries, Confectioneries, Cakes and Crackers, Cheese, Mackerel, Flour, Meal, Grist, Soaps, Starch, Candles, Korosene, Crockery, Tin and Wooden Ware, Eugend Furnitureand Mattresses,

LUMBERFOR SALE

As low as the lowest. Call and examine

BOSTON, MASS.

nov 30-fw

| Mason & Hamlin   | J. O. BOAG.   | New Groceries.   | capacity of seventy pounds of metal  | to above the mu                             |
|--|---|--|--|---|
| CABINET ORGANS.  | oct3  | New Groceries.   | each.  | their intended p                            |
| New and Splendld Styles; PRICES RE-<br>DUCED \$10 to \$50, each this month. (Nev. 1877).<br>Odress, MASON & DAMLIN, ORGAN CO.,   | WED WHITER  |  | The proportions of each ingre-   | They fall heavily<br>tube until they        |
| Address, MASON & HAMLIN, ORGAN CO.,<br>Boston, New York or Chicago.  | THE Sewing-Machine.   | ¥  | dient for each crucible are regula-<br>ted with great accuracy, and con-                       | Here they cool                              |
|  | TRADE   | AM RECEIVING daily fresh   | stant analyses are made to see that  | tracting form a                             |
| CONSUMPTION CURED  | A AND A CALL  |  | the ingredients in all of the cruci-   | the tube. The                               |
| An old physician, cothed by, practice, having re-  |   | Sugars, Coffecs Green and Roast-   | bles to be used for the casting of a   | and subsequent                              |
| core of contemption, bronchitis, twarth, as have and all   |   | ed, Tea, Flour, Grist, Meal,   | gun are of the same quality, so that<br>the grade of steel poured into the                     | tions involved a                            |
| b hay and all norvous complaints, after having tester  |   | and the second se  | easting pit from the numerous cruci-   | diameter of the l                           |
| dust is a surface to know the instant of the constraints of the dust of the surface to make at the surface of t | N PSCHEVY COMMERCEN   | Syrups, Molasses, Soda,  | bles shall all be the same   | factured, have to<br>that after the ex      |
| Free Let II who deside it, this recipe in German, French,<br>or La dish, with <i>f</i> / <i>f</i> directions. Address, with star.p.<br>W. Shefficki, 186 Downey Block, Dashankar, W. G.  |   | Soap, Starch, Bagging  | THE CASTING.   | and embeddie ban                            |
| n i manifesta (15) fower a Dioca, Abendator, N. Y.   | MARK  | bour, burten, bugging  | After the manufacture of the   | contracting, hav                            |
| THE (  | PAND. JULY 35, 1811.<br>WE CLAIM FOR THE IMPROVED                               | and Ties, Bacon,   | steel in the crucibles they, with their  | will canno thom                             |
|  |   | Igned in Blag Cans and Bushate   | molten contents, are carried to the<br>casting pit. The crucibles are                          | pressure, to be t                           |
| YOUTH'S  | WHART WEY   | Lard-in Bbls., Cans and Buckets  | emptied as they arrive into an im-   | and upon each o                             |
| BOM DA NYON  | se wing   | Seed Oats, Rye and Barley, Nails,  | mense vessel placed over the mould   | imposed. Unor                               |
| U O AVA A MANAOAN  | MACHINES  | Trace Chaing House and Mal   | and tapped from the bottom. Thus   | formance of the                             |
| - A WEEKLY PAPER FOR   | The following specific points of supe-  | Trace Chains, Horse and Mulo   | a continuous stream of molten steel<br>is kept up until the cast iron gun                      | and durability                              |
| WYNYNYNY YNYNYNYNY YNY   | riority:<br>J—Great simplicity in Con-  | Shoes, Axlo Greese, White Wino and   | mould is full. With such care and  | hoons having be                             |
| YOUNG PEOPLES  | struction.  |  | regularity does the work go on that  | tion the one is a                           |
| AND THE A  | 2-Durability.<br>3-Exceedingly Light Run-                                       | Cider Vinegar.   | the casting of the ingot for the tube<br>of a 56 ton 14 inch gun is an affair                  | turning ostablis                            |
|  | ning.   | bor All goods delivered within   | of but comparatively few minutes.  | Tuccive the secon                           |
| FAMILY   | 4—Still Running, Noiseless,<br>5—Performs all Varieties of                      | was hin goods donvorod within  | In about twelve hours the core is  | to the requir                               |
|  | Work.   | corporato limits.  | taken out and a stream of water let  | second and th                               |
| It aims to be a fovorite in every family-  | 6-Beauty of Finish and<br>Workmanship.  | Fresh Cheese and Maccaroni   | in to cool the cast steel ingot. This<br>treatment is continued for several                    | place the end                               |
| ooked for eagerly by the young folks, and read   | 7-GREAT REDUCTION IN  | received to-day.   | days until the mass is somewhat  | ment. The hoo                               |
| with interest by the older. Its purpose is to<br>interest while it amuses; to be judicious, prac-  | Single Machines, sent on orders direct  | New Buckwheat Flour.   | cooled. The ingot is then hoisted  | working by key                              |
| ical, sensible and to have really permanent  | from the Factory, written guarantee with  | Choico new crop New Orleans  | by a steam crane from the pit, and<br>taken to the part of the building set                    | small hall hoops                            |
| vorth, while it attracts for the hour.<br>It is handsomely illustrated, and has for con-   | orch Machino.<br>WHY PAY OLD PRICES!  | Molassos.  | apart for that purpose, where it lays  | sections let into                           |
| ributors some of the most attractive writers in  | 28 Send for circulars and particulars.  | New Mackerel in kits, 1 and 1  | for months with sister ingets, being   | lavor and in th                             |
| he country. Among these are :<br>'. T. Trowbridge, Dinah Muloch Craik,   | Address,<br>The Whitney Mf'g. Co.,  | barrols.   | kept covered with hot ashes from   | laver. The br                               |
| ames T. Fields, J. G. Whitter,<br>Rebecca H. Davis, Louise C. Moulton,   | feb 17 Patorson, N J  | D. R. FLENNIKEN  | the furnaces, which are constantly<br>renewed. The metal, from this                            | then shaped,                                |
| dward Everett Hale, Harriet P. Spofford,   |   | - and the second s | treatment, undergoes a process of  | grooves and the                             |
| Louisa M. Alcott.  | Just Received,  | ESTABLISHED IN 1859.   | annealing, which softens, toughens   | formed. The cl                              |
| Its reading is adapted to old and young; is<br>ery comprehensive in its character. It gives  |   | and the second   | and tempers it. This process, it is  | the breech is ad                            |
| tores of Adventure, Stories of Home and  |   | CHARLES WILLTED  | claimed, takes the place of and an-<br>swors better than the tempering by                      | 18 inished.                                 |
|  | A. PPLES, Oranges, Pears, Raisins<br>and Onions, just in and low for            | UNARLES MULLER.  | oil practised in England and   | oun takes some                              |
| Topics, Total Science of the second science  | cash.   | TTTAROUTING CLARKER A  | Lussia. After this the steel ingot   | they are wor                                |
|  | We will keep on hand during the sea-<br>son a choice stock of the above fruits. | WATCHIES, Clocks and Jowelry re-<br>paired, and satisfaction guaranteed  | is transported on a car to the<br>smithery, and run, car and all, into                         | apiece.                                     |
| Supscription Price, \$1.75.  | ALSO,   | to everybody.  | the heating furnaces, preparatory to   | The Krupp a helf per cent of                |
| Specimen copies sent free. Please mention in<br>that paper you read this advertisement.  | Butter, Eggs, Soda Biscuits, Ginger Bread,                                      | N. BAll who have left watches  | the forging. The heating takes   | siderable amon                              |
| PERRY MASON & CO.,   | Spices, Starch, Grist, Meal, etc., always fresh at                              | store must come and get them, or I will  | several days, the temperature being  | endures withou                              |
| 41 Temple Place, Boston.   | J. E. CATHCART & BRO.'S.  | sell them for costs in thirty days.<br>sept 18 CHARLES MULLER.   | kept constant and moderate. On<br>being brought to the required tem-                           | strength of iro                             |
|  |   | Charles a charles wormen.  | sound arought to the reducer rem-  | pounds to the s                             |
|  |   |  | AND INTERVALUES A 16-20 NOT INCOMENTATION INCOMENTATION AND AND AND AND AND AND AND AND AND AN | CHEW ALL HADDLER DEFINITE OF 10, CONTOUR AS |