[From the N. Y. Dispatch.] M'Culloch's Shot Tower in Center Street.

round shot has been ascribed to a woman's ments of her busband to perfect those petite pellets used by sportsmen for the purpose of stance originated. securing small game, very considerately went to sleep one night, and, upon awaking in the ent time, but little improvement has been made in the original method.

gravely promulgated in various scientific works, and although the name of the lady has now the statement itself is probably familiar to land and Long Island.

many who will peruse this article.

who was a mechanic of considerable ingenuity, had long endeavored, fruitlessly, to produce round shot by some more expeditious mode than the tedious process of casting, but althere were still many serious difficulties in his path which he never could overcome until this which at once paved his way to fame and fortune.

quire, it being sufficient to indicate that the screening, polishing, &c. manufacture of those little spherical bits of the smaller animals, is based on a purely natural operation, aided by the appliances of art, for the rain to fall in drops, or the hail to descend in globules, the round shot of the sportsman is formed, and in view of the extreme siminterest and beauty.

sieve-shaped vessel, the holes in which divide the lead into minute drops, which, falling through a space of still air for a hundred feet or more, assume a perfectly spherical conformation, and become cooled or congealed in the ping the shot into boxes underneath. descent, are received in a large reservoir of preventing the pellets from infringing on one another too forcibly, after they have fallen so

swiftly and so far.

The manufacture of sporting shot is, therefore, as will be seen by this brief description, nearly indentical with the production of sumcient height of tower to cool the molten drops before they reach the vat or reservoir.

In the construction of such a tower, the cost is, of course, a considerable item; and this oband fuel for melting the same, must be raised by its own gravity, has induced many subse- surrounded by an iron rail. quent experiments for the purpose of providing in the successful prosecution of the manufacture.

It was, at one time, thought that the problem had been solved, by the erection of a shaft of | reach the semi-molten stream! comparatively moderate elevation, and forcing a current of air upward through its center, it fall of fifty feet was equal to one of one hun- the prospect repays all the labor. dred through a still atmosphere. The theory was plausible, but it must have eventuated in a Company would be at the trouble and expense of erecting a column reaching nearly two one-quarter the height would have answered

as well.

balls, rifle bullets and buck-shot are still cast | ive of waste or loss. or pressed, it being impossible to form them of Pearl.

agreeably.

er the adaption of cast iron to architectural ing.

fronts are now fabricated in the iron foundry, he, himself, stands so high aloft; but rather, inches, is the principal agent. At the upper but several bell-towers, for the purposes of fire that the man with the scoop is far down in the end of this table, a scoopfull of the petite alarms, at the present day rear their graceful bowels of the earth; a sort of subterranean spheres is scattered upon the surface. Those The origin of the art and mystery of making proportions high in air-light, open structures worker in the realms of the Plutonian; and that are round, plump, and properly formed, (consisting of sets of columns upreared, one there is something akin to a temptation to jump roll immediately down the slight incline, and dream, who having witnessed many experi- upon the other) yet, withal, firm and stable as into the metallic current for the purpose of mak- drop into a box, placed for the purpose. The

undoubtedly induced Mr. McCulloch to con- it came. morning, detailed minutely the whole process. tract with Mr. Bogardus for the erection of It is a lonesome place, up there with those down again. Their mission has been only par-It had been revealed to her during the visions the beautiful and substantial tower, shaft or two busy but silent workmen. The heavy pigs tially performed, and they must try it over! which darkness engenders, and, up to the pres- column which now graces the lower part of the go into the caldron with a sullen plunge, and | Emerging into Center street, after a few city, and which, lifting its white, chaste pro- the act of dipping out the fluid galena is per- hours spent in the Tower, one feels himself an portions far above all the surrounding objects, formed noiselessly. There is no splash of con- imperfect shot-a faulty pellet-a globule that At all events, such a statement has been forms a remarkable feature in the architectural sequence; but ever and anon a ladle full is re- will not glide freely and straight forward, embellishments of New York city, whether turned to the melting pot, to be replaced with a since his mission has been only half accomviewed from points upon the Island itself, or hotter quantity, and the work progresses with plished!!! There was more to inspect than the escaped the writer's memory, yet the fact of from the adjacent shores of Jersey, Staten Is- unremitting industry and regularity.

According as the story goes, the husband, street, and passing back, in the direction of viz: by falling through a space in the atmos- perfectly spherical and au fait, in the myster-Broadway, twenty paces or thereabout, brings phere, which, if it be sufficiently destitute of ies and panoramic views to be witnessed in and the visitor to a gate of wooden palings, which calorific influences, freezes the tidy sphere into from McCulloch's Shot Tower in Center street. bars further progress in that direction. A short a hailstone. Probably electrical action has turn to the right, however, through a narrow something to do with the formation of the rainthough his efforts approximated perfection, door, and one stands in the business office, sur- drop in the clouds since it has never yet been on the death of her son, John Brigham, who died in rounded by kegs and bags of the finished shot, ascertained that the storm-king keeps that perregularly marked and labeled, for the wants of forated vessel up aloft to sift his showers of mysterious revelation from the spirit world the trade. In the room beyond, a neat and com- blessings down, in a way similar to the method I know that he is happy, that he dwelleth put him in possession of the important secret, pact steam-engine is noislessly performing its of the man in the Shot Tower, but barring this ceaseless labor, a quiet, but most efficient help- difference-the rain globules and bird shot are That he's free from pain and sorrow with er in the various operations of hoisting the met- manufactured on similar principles. Indeed, How far the tale may be truthful, or how far al and coal to the summit of the Tower, pump- all natural objects of a plastic constitution seem But, O my heart is lonely, I miss him everyapocryphal, it is not the present purpose to in- ing water and propelling the machinery for inclined to resolve themselves into spherical

lead in use among gunners to shoot birds and base of the main shaft, is the finishing room, ling through air, assumes the form of a globe, I feel that all is right, and that I should not the packing department, and an immense caul- is probably governed by the same laws which dron filled with the seething, fluid lead, which operated when the sun, moon, our own earth But then my wounded spirit, the burning tears and directed by science. As natural as it is several operators are industriously ladling into and the other planets, emerged from chaotic moulds, for the purpose of forming buck-shot, masses into their present regular and beautiful And when my little ones come prattling round so called, and which perform an important proportions. plicity of the process, the method is one of great | musket, three of these effective and dangerous | no means, the most interesting feature of the customers being dropped upon the bullet in Iron Tower. The liquid metal is merely poured through a most of our army musket cartridges. These Located in the midst of one of the most densebuckshot are manufactured very fast, the ly populated neighborhoods in New York, and To the memory of him whose presence was so moulds forming over one hundred at a time. lifting itself high in air, above all the surround-They can be filled several times in a minute, ing spires or workshops, the view from the My first born, yes, when clouds did round my the matrices opening like the fingers, and drop- summit is most instructive and exciting. Far

water, the latter being used for the purpose of manufactured of boiler plate, are revolving, of hundreds of steam engines, the white vapors A thousand dreams of love and hope blend when the smaller sized pellets are being pol- piercing roofs innumerable, with regular, interbago, and which gives them that peculiarly clouds, and then melting into thin air, as the scattered the other machinery and appliances ity. tives of animal life.

corkscrew arrangement, a continued hissing of sheep might be mistaken for skinned mice. the falling shot is eternally at the elbow, so

being claimed that with the air ascending with | twisting and turning, and soaring, seemingly.

ricated of iron columns and cross-ties. These steamers and ocean craft, betrays the locality partial failure, since the tower now under con- columns are each some fourteen or fifteen feet of the bay, even far below the Narrows. Besideration is of recent origin, and it is not to be in length, and weigh nearly a tun a-piece-the yound lie the hills of Staten Island, and still supposed that the McCulloch Shot and Lead | total weight of the iron being more than 100 | further to the right Newark Bay, with the city tons. They are firmly bolted to each other at itself in the distance, and as the eye sweeps the ends, and form a skeleton structure of im- still further Northward, Jersey City, Hoboken, plied, It is what you do in everything. hundred feet toward the stars, when a building mense strength. The spaces between the col- | Weeawken, and all intervening objects pass umns are filled in with a wall of single bricks, in rapid review, until the sight is bounded by only four inches in thickness, the uses of this the Highlands, behind Fort Lee. In the production of round shot, it seems to wall being, not to add to the stability of the The Crystal Palace is in full view, with the TOR Sale or Exchange for cattle or be one of the terms of the proposition that the structure, but simply to guard the falling shot Latting Tower, (now shorn of one-third its larger the pellet, the further it must fall; and from the action of the wind, which otherwise height) standing like a gigantic sentinel, be- the Subscriber at his residence in the 19 ward Great Salt there appears to be even a limit in this respect, might swerve the metallic shower from the ne- | youd it, and, in the far North-east, the old | Lake City. beyond which it is impossible to go. Musket | cessary perpendicular descent, and be product- | Shot Tower seems to keep watch over Turtle

Well, toward the top is another big melting tiary buildings on Blackwell's Island. sufficient spherical accuracy by any other kettle, in which the lead is kept in a state of Astoria, Bushwick, Williamsburg, (with the taken to make up on shares or otherwise. Cloth, blankmethod. There are physical difficulties inter- constant fusion by a fire underneath. An iron Cypress Hills Observatory looming up, far ets, yarn, and linsey given in exchange for wool, grease vening which never have been overcome, and vessel, nearly the size of a half bushel measure over the spires of the latter) and finally Brookprobably never will be; but if one wishes to with its bottom punched full of holes, is hung lyn, with its forests of steeples, are all mapped witness the modus operandi by which the beside the pot of liquid lead, and into this affair out, the entire panorama being presented with smaller descriptions of leaden hail get their the molten metal is dipped, nearly as fast as instructive fidelity and minuteness. shape and proportions, undoubtedly no where one operative can work, while his companion | Certainly, if a stranger, or one of our own in this country can such curiosity be more con- fires up and feeds the caldron with great pigs citizens, even, wished a correct idea of the produce. Also bedsteads, lounges and chairs. veniently or pleasantly gratified than by an of lead, as heavy as a stout man can lift. The whole of New York city and its suberbs, the hour or two spent in the inspection of the va- | gleaming mass drips through the perforated | Iron Tower of Center street, will, from its sumrious operations and manipulations each day bottom of the receptacle, and falls prone down | mit, afford a more comprehensive survey than going forward at the iron tower of McCulloch's the well-shaped passage, in a never-ceasing any other point of observation, and it is only Shot and Lead Company, in Center street, near shower of shining rain, a hundred and fifty from this or similar elevations that one can feet, more or less, until it plunges, with a his- understandingly realize the immense propor-During a recent visit made to this establish- sing scream, into the extensive reservoir below. tions and business capacities of this, the Me- County, Territorial orders, flour, and grain will be taken ment, every facility was extended for a minute So swift is its descent, after the first second or tropolis of the Western Continent. From the for taxes. survey of the entire premises, and seldom has two, that the eye can only detect a stream of Center street Tower, nearly all public buildan afternoon been spent more profitably and falling particles, chasing each other with an lings in New York and its vicinity can be locaindescribable velocity, while the sibilatory ted and identified, and although the noise and Iron buildings are a recent invention, or rath- hum is incessant and almost painfully deafen- clamor of travel and traffic may come up to

of the nineteenth century, and the innovation immediately beneath the drip of this fearful exacting seeker after the exciting, the sublime and well attached. was approached, for some years, with exceed- hail, is seen the pigmy form of a man, fore- and the magnificent. ing caution. The first structure now recollec- shortened into an unrecognizable lump. He | The eye may tire but the sense is not sated | 16ts ted was erected in this city, on the corner of is busibly engaged with a long-handled copper | with hours of earnest gazing, and the final cork-Center and Danne streets, where it still re- scoop, removing the cooled shot from the res- screw descent to terra firma is, apart from the mains, a striking monument of the enterprise ervoir to an inclined platform, where they are annoyance of its bewildering twistings, a jourand skill of its projector, Mr. Bogardus. But left to drain awhile before they undergo the new of soberness and regrets. the community were slow to adopt the material, other process. A sort of queer, wierd sensa- The final testing of each particular pellet sheep, lumber, &c, taken in payment. fearful, perhaps, of the effect of atmospheric tion creeps through the frame, as the eye be- (before it is packed away for the market) for and has a good well and other improvements; situated in changes peculiar to this climate on the expan- comes partially accustomed to the purpose of determining the perfectly globu- Salt Lake City, West Temple st, two miles south of the sive and contractile properties of the brittle tance down below, which this occupies, and lar form of the shot, is curious, but, like all the Tabernacle, in the five acre plot. metal. The prejudice, however, is gradually for a moment, one forgets that the operative is other operations, extremely simply. A long building, and be paid in a farm and city lots, this might disappearing, and not only girders and store upon the surface of this mundane sphere, while table of hard wood, with one end raised a few suit the subscriber.

Further on, and immediately surrounding the and the pellet of melted lead, which, while fal-

In other parts of the room rectangular boxes, amanations, are the pugs from the exhaust pipes

mer hail, the principal difficulty being a suffi- uses 300 tons of lead per month, and whose throats of countless chimneys, their black the laboratory of the artisan, or those burning The Tower itself has its foundations within upon the hearth-stones of domestic life, while And give me consolation when I come to thee this room. It is twenty feet in diameter at the all street objects are dwarfed into mere atomjection, joined with the fact that all the lead, base, and reaching up-up, one hundred ies. The railway cars appear like slow creepand eighty feet, is reduced to a diameter of ing cigar boxes, drawn by Queen Mab ponies, to the top of the structure, thence to be returned fourteen feet, there it terminates in a deck, and humanity resembles specks of dubious locomotion. Quarters of beef, hung beside a A small spiral staircase winds from the street butcher's stall, dwindled to the propora substitute for the immense height necessary ground to the summit, and, as one ascends this tions of squirrel meat, while the carcasses of

As the vision ranges further, the city seems close, in fact, that the outstretched hand might covered with a Russ pavement of variegated roofs, with here and there narrow channels, It is a long, a weary and a dizzy journey, indicating the course of streets, but looking, this climbing and climbing, around, around, in reality, like grooves, cut to prevent horses from slipping. Lines of light flashing in the the same velocity as the descending metal, a forever! but, once aloft, the magnificence of sunbeams, point out the positions of the East River and the Hudson, while far in the South-The Tower proper is a ten-sided obelisk, fab- | west, a broad and gleaming area dotted with

Bay with a guardian eye, also to the Peniten- PINNING, Weaving, Dyeing and ful-

his airy perch with a subdued hum, yet enough

the ancient hills whence the adamantine sub-ling the stranger a flying visit. The experiment imperfect ones on the other hand, do not roll however, would not be a safe one precisely, at all; or at best, take zigzag pathways, and The success attending these initial efforts and the freak flits as rapidly and strangely as are brushed back into a receptacle at the upper end, to be taken aloft, re-melted, and sifted

brain could well sustain in the experience of a Thus are round shot manufactured, almost single visit. He should be brushed back, and Entering through an archway in Center precisely as the rain-drops are made globular, sent again aloft, if he aspires to come down,

Written for Louisa F. Wells,

G. S. L. City, June 9th, 1856, aged 10 years, 3 months, and 13 days.

with the blest,

which this earth's oppress'd;

shapes, when left free to move untrammeled, Lord give thine handmaid comfort, and let me

not despair.

relieve;

item in the service charge of the American But the process of manufacturing shot is, by And I feel that he is absent, whom I was wont

Oh, 'twere a heart of stone that would not shed a tear

dear. pathway lower,

below, and apparently uprising like ghostly His bright and happy smiles cheered many a lonely hour;

with that childish face, ished, or rather covered with a coating of plum- mitting impulses, living for a moment like tiny But now I may not fold him in a mother's fond

embrace. smooth and greasy feeling, while all around are process of condensation destroys their opac- He's gone, I'd not recall him; I know that we

of this mammoth manufactory-a concern that | One looks down inquiringly into the very | In the resurrection morning, and our joy will be complete.

principal business is the formation of destruc- muzzels foaming and smoking with the fires in | His loss to me on earth, Lord teach me how to bear,

EMELINE. in prayer.

Answer to Charade in No. 19.

If you ad(d) you will surely increase, And "vice" will keep you from heaven. "Advice," such is human caprice, Is not so oft taken as given. AAAAAAAAAA

Answers.

Short becomes shorter by adding a syllable; Decapitate plague and it becomes 'ague.' Add or prefix S to IX and it makes SIX; From XIX take X and nine remain; And from XIX take XI and ten remain; Then add XI and X which make XIX.

ANNA MARIA. E-begins Eterity; it end timE and spacE;

It begins every End and ends every placE. Question.

A lady asked a gentleman his age. He re-How old was he?

One Hundred Flat Head Ponies, grain. Enquire of GILBERT & GERRISH or of 11-3m E. W. VAN ETTEN. CARDING.

ling, &c., done at Jordan Woolien Factory. Wool MATTHEW GAUNT.

Goods for sale and exchange. HAVE some merchandize I will exchange for wood, lumber, butter, cheese, and other

A good carriage, omnibus and wagon for sale. Carriage work done at short notice.

J. C. LITTLE. Pay your City tax and save cost.

LL persons interested are respect-I fully notified, that I am ready to receive City taxes at my office. Prompt payment will save cost. City, City Collector.

Office at residence, 13th ward.

FOR SALE.

FARM in G. S. L. City-One and half miles from Temple Block on the east bank of purposes scarcely dates back into the first half | Gazing down the well hole, and seemingly can be heard, seen and felt, to satisfy the most | Jordan river, consisting of 38 acres of land with a house

For further particulars enquire of R H Porter, Weber G B WALLACE, 17th ward.

MOUSE AND FARM, ALSO CHOICE CITY LOTS on

sale-cheap for ready pay; cash, store goods, cattle, The farm consists of 15 acres choice land partly fenced

If an enterprising mechanic wishes to take a job of P P PRATT.