THOS. A. BUCKLEY,

EDITOR AND PROPRIETOR. OFFICE: MAIN STREET ABOVE CENTER

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Grover Cleveland 25June 28, 1898, icans that Grover is paid up to June 28, 1898, icans that Grover is paid up to June 28, 1898, icap the figures in advance of the present date, eport promptly to this office when your paper not received. All arrearages must be paid hen paper is discontinued, or collection will a made in the manner provided by law.

The New England Kitchen, of Boston, serves a five-cent lunch, consisting of hot soup, bread and butter. sandwiches, buns or cookies, to the pupils of the Boston high schools.

The San Francisco Argonaut exclaims: A toy has wrought a revolution in this country. The agitation in favor of good roads, begun by the bicycle manufacturers some years ago, and taken up and given force by the riders, has at length reached the masses of the people.

The improvement of the channel at the mouth of the Mississippi River has been a great benefit to the Crescent City. Among the vessels which have recently visited New Orleans are many of the largest freight carriers afloat, and many of the cargoes car-ried out would have been considered impossible some years ago.

This season's crazes in Euroge have been collected by an Italian editor. In England it is clay modeling, the chief victims being Mr. Gladstone and Sir William Harcourt; in Paris it is riddles, in Italy and Southern France it is jumping beans, painted to represent prominent persons; they jump best on hot plates. In Belgium they have slow-smoking races; the pipes are filled with half an ounce of tobacco each and the winner is he who can hold out longest without relighting. The record so far is sixty-seven

Secretary Morton declares that the plow used by the American farmer is a humbug and an enemy to fertility. Said the Secretary: "We have im-Said the Secretary: "We have improved our plows less than any other implement man uses. The plow used in Nebraska and other stoneless soils impacks every furrow it passes over impacks every furrow it is passes over mand readers it as impervious to rainfall as possible. The draft of a plow is downward to such an extent that the full force of the team's strength is exhausted in pressing the bottom of the furrow into a polished trough for the conduction of rain down the side hills. We must have some method of tilinge which shall sit up the soil and asbotio to the depth of eighteen inches and more. If it were possible to loosen the soil and subsoil to the depth of eighteen inches and more. If it were possible to loosen the soil and subsoil down for three feet all over the State of Nebrask, we could then, with an annual rainfall of weathy inches, make abundant profitable crops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable trops. Until deep rainfall of weathy inches, make abundant profitable and renders it as impervious to rainfall as possible. The draft of a plow is downward to such an extent that the full force of the team's strength is



REMEDY FOR RATS AND MICE.

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These small but greatly destructive vermin of the farm may be kept in subjection without much trouble if the right methods are taken. First, the buildings should be constructed with special reference to them; this, however, is rarely thought of by builders. No hiding places should be permitted under the floors or behind the fittings; the floors should either be on the ground and made of concrete, through which rats cannot burrow, or raised so high above it that cats and dogs can go everywhere in pursuit of their natural game. Three or four good cats, preferably emasculated ones, and one good terrier—a fox terrier is the best—or all of these, will, if well fed, spend the greater part of their time in hunting, and so very soon exterminate the vermin. Otherwise poison should be used in such a way us to avoid danger to other animals. This may be done by mixing a very little powdered strychnine with some fat in which commed is mixed; and putting small quantities of this in holes bored in blocks of wood, so that the vermin can get at it and other animals cannot. These traps are scattered about where the vermin will be likely to get at the batt.—New York Times.

at it and other animals cannot. These traps are scattered about where the vermin will be likely to get at the batt.—New York Times.

How CREAM IS RIPENED.

The cream is best skimmed when rather thick, that is, when it may be almost rolled up on the pan and lifted in a sort of calc. It will then contain about twenty per cent. of milk, and some milk must then be poured into the cream jar with the cream, and the whole stirred to mix the two intimately. This stirring is done every time the cream is added, and the third milking should be the last before the cream is churned. The cream will ripen of itself if it is kept in a warm place all this time, not less than sixty degrees of temperature. At the end of this time the surface will glisten like satin when it is stirred, and this is a good indication of itself in jupining for the churning. Otherwise, the cream may be set on the addition of the last cream, by mixing half a pint of the buttermilk from the last can, churning to five gallons of the cream and stirring it well; then, at a temperature of sixty or sixty-five degrees, the cream will be ready for churning in twelve hours. This will yield the finest flavored butter, that is fit for the table in a few hours after it is made, or for some tastes it is churned for every meal, and eaten as it is churned. Cream thus ripened will make a very delicately flavored butter.—American Farmer.

How TO RAISE YONG CHICKS.

When the chicks are all hatched leave them under the hen undisturibed for mean and aclicate and need the vitalizing heat of the mother. Let then remain without food until the second day. When the hen is taken from the needs and need the vitalizing heat of the mother. Let then remain without food until the second day. When the hen is taken from the needs and paply two or three denoted an analysity on the conditions decreased in the provided in the vitalizing heat of the mother. Let then remain without the second day. When the hen is taken from the needs and need the vitalizing heat of the mother. Let then rem

of their food, and benefit the farm and garden by ridding them of insects.—American Agriculturist.

CARE OF ORCHARDS.

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Extracts from a very interesting paper read by J. H. Fishell before the Indiana Horticultural Society: The care of orchards for best results is a subject which concerns all of us. There is too much lack of horticultural knowledge among farmers. They are not as well posted on fruit-growing as they should be. It certainly would be to the advantage of every wide-awake farmer and fruit-grower to join and attend regularly the interesting meetings of such societies as this. Those who make a success in fruit growing do so by intelligent industry. It has been said "if a man would know anything he must work." Now if he will do either, all things are so arranged that he may receive rich rewards.

From the earliest times men have turned to the soil for their support.

From the earliest times men have turned to the soil for their support. The products were few because their wants were few. In process of time agriculture was divided into departments. The man who cultivated field the process of the second second of the second s

OUR NAVAL GUN FACTORY,

WHERE UNCLE SAM TURNS OUT
ENGINES OF DESTRUCTION.

Various Processes of Making a Big
Gun Described—Shrinking on the
Jacket of a Cannon.

THE main building of the naval
gun factory at Annapolis,
which is about 650 feet long,
with a width varying from
eighty to 130 feet, is a wonderful
place, says the Chicago Record. It is
a high, bright room, and so full of
machinery that it seems impossible at
first sight for workmen to make their
way around. Overhead moves a traveling crane of majestic proportions
that will easily lift and carry steel
guns weighing more than 100 tons. At
the north end the large cannon are
made, and the south end is devoted to
the "barkers," or little guns. Between
the two is the "shrinking-pit," from
which arises a gust of air hot enough
to persuade the uninitiated visitor
that it opened directly into the infernal regions.

In the first place the gun is born in
the head of the factory draughtsman,
who sits in a clean little office where
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nal regions.

In the first place the gun is born in the head of the factory draughtsman, who sits in a clean little office where the hum of the shop is but barely audible. He makes his drawings on paper and figures out every dimension to the thousandth part of an inch—for the least error may involve the ruin of a gun and the loss of thousands of dollars.

From the draughtsman the specifications go to the shop, where the

From the draughtsman the specifications go to the shop, where the forgings of steel from the Bethlehem works are already in waiting. Then the process of "building up" the gun begins. It has been discovered that when a gun is made up of a central "tube" covered by a "jacket" and "rings" on the outside the metal is more homogeneous and will withstand much greater explosive pressure.

cool and expanding the jacket by means of heat so that it will slip easily over the tube. Upon cooling the jacket contracts and grasps the tube almost as closely as if they were both one piece of metal.

Formerly the jacket was heated in the "shrinking" by means of burning charcoal or wood, but this was found to produce unequal expansion and warping. At present the heating is done entirely by hot air. In the pit there is one furnace filled with coles of pipe through which air is forced by a compressing pump. Underneath is a gas fire which heats the air to a high temperature. In this condition it is forced into the cylindrical apartment in which stands the gun-jacket, and, after passing through, it is carried off by a chimney. After having been heated for a day or two the master workman has the lid of the jacket apartment lifted a little and the top of the great cylinder of iron is measured to see if the expansion has made it large enough to fit over the tube. When its inside diameter is one-tenth of an inch greater than the exterior diameter of the tube the moment for shrinking has arrived. In the meantime the tube of the cannon has been placed upright in the pit, with the angue of the jacket. Inside of it cold water is kept flowing so that the steel will be as much contracted as possible.

The crowd of spectators had gathered; the workmen from all over the shop pause in expectancy; the master workman from his perch on a little platform blows his whistle. Instantly the lid of the jacket apartment is thrown open and the iron claws from the ponderous traveling crane reach down, like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms of a devil lish, and own like the arms

platform blows his whistle. Instantly the lid of the jacket apartment is thrown open and the iron claws from the ponderous traveling crane reach down, like the arms of a devil fish, and grapple the jacket. Although it is seventeen feet long and weighs about twenty-four tons, the crane draws it up and swings it in the air as if it were apaper box. Instantly the workmen rush up and with long brushtipped poles wipe out the inside, for oven a particle of foreign matter may ruin the gun. Then while the spectators hold their breath the jacket is swung above the tube and accurately plumbed so that it will slip down over the tube without touching. It is a critical moment. The jacket is fast losing heat and with it the diameter is

will throw shot to a distance of fifteen miles.

It requires six and one-half months to build a gun, and the cost is from \$15,000 to \$20,000.

These guns are used in the turrets of the new war vessels. The power of one of the shells fired from such a gun was impresively illustrated at the battle between the Chinese and Japanese fleets off the Yalu River in September last. A shell weighing nearly 1000 pounds struck the Chinese battleship Ping Yuen, crushing through the afterpart of the armored deck and leaving a great hole through which a torrent of water poured into the hold. A few minutes later the ship went down, carrying her officers and crew with her. The cost of the shell was about \$500 and the cost of the ship \$3,000,000.

"tings" on the outside the metal is more homogeneous and will withstand much greater explosive presence.

The process of putting these pieces together is known as "assembling" and the work is done in the "shrinking-pit." But before the gun is ready for assembling it must have been graduated from a long course of lathes and boring machines. All one end of the big building is filled with them, and the mechanism is so perfect that after they are started they will run with almost no attention until their work is completed. One of these lathes is 130 feet long and has a swing or eight feet. It is capable of boring or smoothing a gun fifty feet long and weighing more than 120 tons. So completed in the stime of every imaginable variety are used in making smaller guns of various kinds.

On leaving the lathes the traveling crane overhead carries the gun along to the riding machine. This plows the interior surface of the gun with a spiral groove by which a rotary motion is imparted to the shell when its fired. It is an operation requiring the greatest care, for if the cutting machine varies the thousandth part of an inch or if a particle of metal crumbles off the efficiency of the gun is seriously injured. Such delicacy of adjustment in such a ponderous machine is one of the marvels of the whole process, and it is critical enough to make the superintendent's face very serious for several days. The principle of the whole process lies in keeping the "tube" or main part of the cannou cool and expanding the jacket by means of heat so that it willslip easily over the tube. Upon cooling this account of "assembling" the guns of variety that the ships and the superintendent's face very serious for several days. The principle of the whole process lies in keeping the "tube" or main part of the cannou cool and expanding the jacket by the variety of the whole process, and it is critical enough to the variety of the whole process lies in keeping the deficiency of adjustment in such a ponderous machine is one of the marvels of the who



Women smugglers are the pest of he Mexican borders.

The wedding of Princess Beatrice est more than \$250,000.

Miss Anna Gould, now the Countess astellane, had her wedding trousseau ade in this country.

Mrs. Clara Brett Martin, the lead-

ng women lawyer in Canada, has been nominated for School Trustee of

Miss Alberta Scott, of Cambridge Mass., is the first colored girl to enter he Harvard "Annex," or rather Rad-

The fashionable new Lady Campbell violet is said to be a shoot of the old Neapolitan violet. It is hardy and of delicious perfume.

Bagdad cushions, with a fringe of their own raveled threads, are making inroads on the insecure reign of lace and chiffon sofa cushions.

Picture frames, especially for prints and photographs, can be made by covering plain pine frames with soft folds of cream, white or amber India

French women have taken to catch-ing their very full sleeves on the out-side of the arm with a rosette of vel-vet matching the girdle and stock

were massing the girdle and stoke.

Mrs. Burton Harrison is said, on good authority, to be the best paid woman writer in the country. The Century pays her 13} cents a word for all her stories.

It is agreed that kissing is not only unhygienic, but, when practiced in public, is unpleasant evidence of invidious social discrimination and hence improper.

There is now a crape paper craze, and flowers, photograph frames, lamp shades and hats attest the possibilities of the flimsy fabric in the designing fingers of woman.

A Michigan newspaper, in recording

angers of woman.

A Michigan newspaper, in recording marriage the other day, added that the bride is a member of eight secret ocieties, several clubs and one or two aissionary bands."

Mrs. Cornelius Vanderbilt and her family can easily walk a mile any day by taking a tour of all the rooms in their house in New York City, which falls not far short of being a palace.

The propriety of women holding office was recognized by Mayor Perry, of Medford, Mass., when he appointed Miss Charlotte Benn and Miss Agnes Hellen as weighers of coal, grain, hay and straw.

and straw. and straw.

Barnard College for Women, New York City, has just received from a woman anonymously a second gift of \$100,000 toward erecting the college building in the neighborhood of the new site of Columbia College.

new site of Columbia College.

Miss Minnie Gilmore, the writer, and daughter of the late Bandmaster Patrick Sarsfield Gilmore, is a tall, prepossessing young brunette. She has written two novels and a number of short stories and poems.

Ear p'ercing has so much gone out of fashion now that special devices to enable women to wear earrings without submitting to the drill have some vogue. They bear the trade name of ear vises and cost \$5 or \$6 a pair.

Ladies who kiss their lap-dogs will

Ladies who kiss their lap-dogs will be glad to know the authority for the essertion that dogs are one of the great agencies in spreading diseases, especially consumption. It is Dr. Megnin, of the Paris Academy of

Signorina Labriola is the first wo-Signorian Labriola is the first wo-man to receive the degree of doctor of laws from the University of Rome, Italy. She is a mere girl as yet, only eighteen years of age, and the honor conferred upon her is as flattering as it is exceptional.

it is exceptional.

Miss Bilgrami, the first Mohammedan girl to try a university examination, has just passed a first examination in the arts at the Madras (India) University with honors. She was not allowed to attend lectures, and had to pursue her studies at home.

home.

Mrs. Cleveland is very fond of flowers, and blossoms grow in every apartment in the White House. There is also a conservatory which the Clevelands have greatly enlarged and improved, and here the lady of the executive mansion spends much of her time.

time.

New York dentists say they have almost ceased to put gold in the mouths of fashionable women. Unless the filling is quite out of sight most of them prefer to have the best white filling used and to then visit the dentist often to have it renewed as it wears any.

tist often to have it renewed as it wears away.

A woman, Mrs. Henry D. Cram, of Boston, will furnish the Paris Exposition of 1900 with seventy-five derricks, to be used in the construction of all the buildings that are to be of durable stone. Mrs. Cram will personally superintend the placing of these derricks.

these derricks.

A well-dressed Hindoo woman's costume consists of one piece of cloth, six or eight yards in length and a yard and a quarter in width, which she tucks in folds about her waist, shoutders and body in a neat and graceful manner without the use of pin, button, hook or string.

Women dentists flourish in Paris.

Women dentists flourish in Paris.

The only drawback to their success is

Women deutists flourish in Paris. The only drawback to their success is the fact that very few of them ever took a course in dentistry. Until recently such a course has not been necessary for those wishing to practice the art, and after a few weeks' private study in an office women have blossomed forth as dentists, to the pain and distraction of their patients.

SELECT SIFTINGS.

Lawyers were known in Babylon 2300 B. C.

The inhabitants of Eap Island, in the Pacific, have pink hair. Before the advent of foreigners in Japan the Mikado lived in absolute se-

Russia and the United States send

the greatest number of visitors to the Holy Land.

Of all the Nations of the earth the women of ancient Sparta proved themselves the most heroic.

Three farmers in Fort Fairfield, Me., are going to build a starch factory to work up their potatoes at home.

tory to work up their potatoes at home.

A Seneca Falls (N. Y.) iceman has placed beneath a thousand tons of ice a roast of beef, which he expects to eat in July.

There is a specimen of the Mission grapevine at Carpenteria, Cal., which has a girth of six feet four inches at the base and is still growing.

A new set of postage stamps has been issued by the Chinese Customs Postoffice to commemorate the sixtieth birthday of the Empress Dowager.

"The Wild Man from Madagascar" is dead. He was born in Green County, Indiana. He left \$40,000. It evidently pays to be a "wild man."

At the outbreak of the war seven men were boarding at the Herndon House, Omaha, Neb. Each of the seven afteward became a United States Senator.

The Chinese believe that the water freezented heid tever in the care.

The Chinese believe that the water

Senator.

The Chinese believe that the water from melted hail stones is poisonous, and that the rain which falls on eertain feast days is a sure cure for ague and malarial fever.

Queen Victoria's father, the Duke of Kent, lived for some years in Sorel, Quebec, Canada. A clock supposed to have belonged to him there is now owned in Phillips, Me.

Miss Ellen Tickle, of Hene, Butler County, Ohio, is saud to be the smallest full developed woman now living. She is thirty-one years old and weighs but twenty-eight pounds.

Five years ago C. C. Chadwell, colored, removed from Virginia to Madison County, Kentucky, and located on a farm. He was a total stranger, and was so poor that he was compelled to subsist on bread and water the first year. His property is now assessed at about \$2500

about \$2500
An eccentric peddler recently died at Louisa, Ky. He had represented himself as a foreigner speaking English imperfectly, but was identified after his death as an American and a graduate, with honors, of Harvard. He was disappointed in love thirty years ago, whereupon he fled from home and became a peddler in Louiss.

A United States War Vessel,

A United States War Vessel.

A United States War Vessel.

A United States War Vessel.

Captain R. D. Evans has forwar le I an official report to the Navy Department concerning the performance of the New York on her recent trip from New York to Hampton Roads. The average speed of the vessel under natural draft is given as eighteen knots, with a maximum of 19.6 knots. On her official trial in May, 1893, the horse power developed was 7491. On the 12th inst. it averaged 7170.78 for the main engines and 7212.73 as the collective horse power for the main engines, air and circulating pumps, in addition to the air and circulating pumps, series in the engine, one ise machine, four ventilating engines, one flushing pump, three main feed pumps, four engine room bilge pumps, sone auxiliary condenser and one steering engine. The coal used was bituminous and the average amount burned per hour was 7.85 tons. Regarding the average speed as eighteen knots, the speed per ton of coal was 2.29 knots. Captain Evans adds: "The coal used caused considerable clinker from the back of the farnace, as the slice bars would slike up over it. With Pocahontas coal and similar conditions I believe the New York could maintain an average speed of nincteen knots under natural draft and probably twenty-two knots under forced draft." Rear Admiral Meade's indorsement on the report reads: "Approved and forwarded, except that I do not quite agree with Captain Evans as to the ship's probable speed of twenty-two knots. I think twenty-one knots the very outside limit, and with the ship's present force that could not be maintained for many hours."

Blessing the Fishing Boats,

Blessing the Fishing Boats,

At the little Breton town of Paimpol
the quaint ceremony of blessing the
Iceland fishing fleet took place a fortnight ago. It was announced by the
clamor of the belfries, and after vespers the procession, with sailors at
the head, traversed the principal
streets, which were decked for the occasion. On the breakwater the cure
of St. Savior's preached to the 1316
hardy mariners in front of the fiftysix stout boats that were to carry them
to the far North. Then, preceded by
the cross, the canno blessed each ves-

"The Poet of Family Life."

Jons Lie, the Norwegian author, is known to his countrymen as "The Poet of Family Life." When he celebrated his sixtieth birthday recently, the streets of Christiansand, his home, were decked with flags and bunting; the musical societies combined and sang odes composed in his honor. In the capital itself a grand banquet was held to express the admiration of Norway's most cultured society for their great fellow-countryman. —New York Sun.