straightening it. From there it runs into another machine, which cuts, bends, and by a delicate and instantaneous process sharpens the points. Renning at full speed, these machines will turn out 120 hair pins every minute. To economize it is necessary to keep them running day and night.

The difficult part of the work is in the enameling, which is done by dipping the pins in a preparation and baking in an oven. Here is where the most constant and careful attention is required, as the pins must be perfect-

most constant and careful attention is required, as the pins must be perfectly smooth and the enamel have a perfect polish. The slightest particles of dust cause imperfections and roughness, which is objectionable.—Pittsburg Dispatch.

Never Too Late or Too Soon. There is more lost in life from putting on from to-day till to-morrow what might be done on the instant than from any other cause done on the instant than from any other cause. Fortune and fame have been thus wrecked, and in minor things it will not do to delay or trifle. A man hobbling on crutches for the rest of his life, caused by sprain, would have been a well, sound man, out of misery, if he had used St. Jacobs Oil when the mishap occurred. It is never too soon to get it, never too late to use it. The great remedy for pain never trainies; it will do its work ir ten minutes if it is allowed to do so. Tresi pain as you would a mosquito—knock it out as soon as it bites.

Basutoland, Africa, has 113 schools with an enrollment of 5932 scholars.

Dr. Kilmer's SWAMP-ROOT cures all Kidney and Bladder troubles. Pamphlet and Consultation free. Laboratory Binghamton, N. Y. There is one milch cow in this country to very four inhabitants.

Catarrh Cannot Be Cured

Catarrh Caunot Be Cured
With local applications, as they cannot reach
the sent of the disease. Catarrh is a blood or
constitutional disease, and in order to cure
it you must take internal remedies. Hall's
Catarrh Cure is taken internally, and acts directly on the blood and mucous surface. Hall's
Catarrh Cure is not a quack medicine. It was
prescribed by one of the best physicians in this
country for years, and is a regular prescription.
If the composed of the best tonics known, comthe composed of the composed of the comthe composed of the

When Natura

Needs assistance it may be best to render it promptly, but one should remember to use even

the most perfect remedies only when needed. The best and most simple and gentle remedy is the Syrup of Figs manufactured by the California Fig Syrup Co. Success in Lite

depends on the little things. A Ripans Tabule is a little thing, but taking one occasionally gives good digestion, and that means good blood, and that means good brain and brawn, and that means success.

Mrs. Winslow's Soothing Syrup for children teething, softens the gums, reduces inflamma-tion, allays rain, cures wind colic. 25c. a bottle THE Public Awards the Palm to Hale's Honey of Horehound and Tar for coughs.

Pike's Toothache Drops Cure in one minute. Karl's Clover Root, the great blood purifier, ives freshness and clearness to the complex on and cures constipation, 25 cts., \$1. If afflicted with sore eyes use Dr. Isaac Thompson's Eye-water. Druggists sell at 25c per bottle

Pure Blood



the lower part of my Very Painful. Hood's Sarsaparilla

Appetite

and benefited my gen

Hood's Sarsa Cures



am increased action the CAU-E of the Pain driven away, and a natural condition restored, is thus that the Rendy Relief is so admirable adapted for the Cure of Pain, and without all risk of flugry which is supervised in the Cure of Pain.

It is Highly Important that Every Family Keep a Supply of

RADWAY'S READY RELIEF

Always in the house. Its use will prove beneficial on all occasions of pain or sickness. There is nothing in the world that will stop pain or arrest the progress of disease as quick as the Ready Rellef.

STOPS

RADWAY & CO., New York

WALTER BAKER & CO. The Largest Manufacturers of PURE, HIGH GRADE COCOAS AND CHOCOLATES On this Continent, have received HIGHEST AWARDS Industrial and Food **EXPOSITIONS** In Europe and America. Unlike the Dutch Process, no Alkalies or other Chemicals or Dyes are used in any of their preparations.

Their delicious BREAKFAST COCOA is absolutely pure and soluble, and core less its

SOLD BY GROCERS EVERYWHERE.

WALTER BAKER & CO. DORCHESTER, MASS.



partly cooking the food.—Boston Cultivator.

COLIC IN HORSES.

Irregular feeding in the matter of hours, long fasts and too great quantity given at long intervals are frequent causes of colic, says the New York World. Irregular work is not without its influence —a twenty-mile journey once a week is likely to be productive of more mischief than the same distance every day. A horse put to hard work at intervals cannot be kept in condition. Horses ought to be fed late at night and early in the

kept in condition. Horses ought to be fed late at night and early in the morning; they should have at least two hours to consume and digest the morning feed before being taken out to work, and if not returned to the stable when the next feed is due, should be provided with nose bags.

Changes of food should be introduced gradually. Horses may be fed with impunity on what will make them seriously ill if care is not taken to make the change gradually. Thus, green food, when it first comes in, and is young and succulent, often causes gripes, because fed too largely to the exclusion of the accustomed dry material. If a small quantity is to the exclusion of the accustomed dry material. If a small quantity is cut with the hay chaff to begin with, the horse is less greedy about it when a larger quantity is allowed and the digestive organs as gradually become accustomed to the change. Attention to the prevention of colic is much better than the possession of a recipe for its cure, for some day the recipe misses fire, and death will be match. Apart from this, an attack successfully dealt with still means loss of service for some time—very often at a busy period.

Dairymen should wake up to the fact that it is quite as easy, at a well-man aged creamery, to make good butter in winter as in summer. When they adle establishments just at the time when they should be running at their valuest capacity.

It is not only unprofitable but cruel to let milch cows wander about in grassless fields under a merciless sun. Under such conditions keep them in a small, shady enclosure if you have one, and there feed them their forage and see that they have plenty of cool, pure water at regular intervals.

Select a bull from a good dairy

FEEDING APPLES TO COWS.

There has long been a practical opinion among farmers that while sweet apples might be fed to cows with satisfactory results, sour apples were very injurious for them; but this opinion has been founded upon very slight actual knowledge of the real feeding value of apples. At the Vermont station apple pomace, ensilaged, and used supplementary to and in part as a substitute for corn ensilage, was found to be relished by cows, and the results of four tests found it to be about equivalent in feeding value to corn ensilage. At the feeding value to corn ensilage. At the Massachusetts station Dr. Goessmann found apples to contain about eighty found apples to contain about eighty per cent. of moisture, the apples having been gathered October 6th. The farther advanced apples are towards maturity the more sugar is found in them, and their value depends largely upon the amount of dry matter which they contain. Laboratory tests show that the feeding value of apples is somewhat higher than that of an equal weight of turnips. Apple pomace it said to be equal to sugar beets, it being a somewhat singular chemical fact that the pomace is richer in nitrogenous matter than the apple from which it has been produced, and the feeding value of pomace is assumed to be, pound for pound, one-third higher than that of the whole apple. Still apples are deficient in nitrogen, and ought on this account to be literally supplemented for dairy cows with wheat shorts, bran, oil cakes, clover and good hay. To obtain the best results from feeding them to cows, the early sort should be fed by itself, sour ones in less quantity than sweet ones, fed when fully ripe, after the night's milking. The quantity should not exceed four to six quarts to a feed.

—American Agriculturist.

BYE AS A PASTURE CROP.

In seward in a bountiful harvest of eggs which sell at good prices.

Perhaps you have your dairy up to a certain standard of excellence, but how are you to keep it there? Some of the cows will soon begin to get old. Then there you have you to keep it there? Some of the cows will soon begin to get old. Then there? Some of the cows will soon begin to get old.

Then they must go to the butcher.

Better be raising and training some know, to take their places. Do not be scared out of the poultry business because people speak of it business? It can be made just as large as your ability and alabatability will justify. It is more a question of the cows will soon begin to get old.

Then they must go to the cows will soon begin to get old.

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Then they must go to the cows will s per cent. of moisture, the apples hav-ing been gathered October 6th. The farther advanced apples are towards

Mulching of strawberries to retard them is done by placing manure over the ground when it is frozen, and the master does not cover the orowns of the plants. Leave the covering of straw on quite late in the spring. The manure can remain permanently,—New York World.

CREAN THAT WILL NOT MARE BUTTER.

It is often the case that the cream of the milk of a cow due to calve in two or three months will not make butter, but foams in the churn and butter, but foams in the churn and hutter, but foams in the churn and feeted that the cream will not yield any butter. Every cow should be dired off, if the milk does not stop naturally, two months before the call is due. At any rate, good butter can include the condition, but are not deated and the milk so near calving. This condition of the milk so near calving. This condition of the milk on the calving of the core, is at once evident in a single cowe but in the condition, but are not deated and the strick watch should be kept on each of the cows in a herd.—New York Times.

SLOW ON PAST DEVINO.

It makes a great difference in the walte of corn fodder whether it is cut during warm, dry weather, when it will cure rapidly, or later, when rains and cold make it dry out more slowly. All the time it is moist some waste is going on in the nutritive value of the stalk. When the drying is hastened the waste is small; when it is protracted by rains, especially with warm weather, the waste is much greater. It is not stopped entirely by cold wenther. As the moisture freezes out of the stalk when the drying is hastened the waste is small; when it is protracted by rains, especially with warm weather, the waste is much greater. It is not stopped entirely by cold wenther. As the moisture freezes out of the stalk when the drying is hastened to nutritio that most of us, in what is called "the West," did not sufficiently appreciate the value of rye as a late fall and carly

Producers who have formerly depended on ensilage may be obliged to at least partially substitute grain to make their winter dairying for 1894 and 1895 profitable.

select a bull from a good dairy family, and then breed the very best of your cows, feed the resulting youngsters well, and train them so that they can be easily handled when you are ready to put them in the dairy. This feeding and training is a necessary supplement to the breeding, in order to make a perfect dairy animal.

to make a perfect dairy animal.

Cold weather shuts off the egg supply among poultry keepers who do not understand their business, and then they cry that there is no profit in fowls. But the wise man makes his houses warm and snug, feeds liberally and a good variety of food, compels the fowls to take exercise and reapeth his reward in a bountiful harvest of eggs which sell at good prices.

Perhans you have your dairy, up to

I have believed for twenty-five years cies of birds take place at night,

HOUSEHOLD AFFAIRS.

COOKING BEEF GERMAN STYLE

Many who have married German gentlemen would like to be defore their husbands occasionally a genuine German dish if they knew how to prepare it. The recipes given here for good German cookery were obtained during a residence in Germany in the family of a notable haustrau. They will prove agreeable additions to the general American menu.

For a favorite Teutonic dish take three pounds of the best beef, or, for a large company, four or six pounds. Wash the meat and place itin a large jar or crock. Insert half a dozen cloves. Lay on top a bay leaf and one large onion, thinly sliced. Pour over the meat enough mild, boiling vinegar to nearly cover it, and close the jar with a plate.

Should the vinegar be very sharp, water it, as the taste of vinegar should not be too strong. The boiling of the vinegar is necessary, the albuminous coating thus formed retaining the meat juices.

In two days boil the vinegar again, and again pour it over the meat and cover, this time turning the beef. In from three to five days it is ready for use, and should be quite tender. Though three days are a long enough time five are no interview.

Though three days are a long enough time, five are no injury.

Remove the meat from the jar and wash it free of the onions. Then cut pickled pork into very fine strips, as thick as a lead pencil and about three inches in length. With a sharp knife make deep incisions thickly over the top of the beef and thrust in the bits of pork. Turn and treat the other side similarly. Tie into shape with a strong cord.

side similarly. Tie into shape with a strong cord.

Place in a deep kettle a piece of butter the size of an egg, and when hot put in the meat. In a moment's time turn it and add enough boiling water to nearly cover it. Close the kettle tightly. Baste frequently with its own liquors and cook with a good fire three hours and not a moment less; an extra half hour is proferable.

The gravy is made by a flour thickening, and a cup or half a cup of sour cream added.

After having gone through this pro-

After having gone through this pro-cess once sauer braten will be found to be an easy dish and one that will repay all trouble. It is excellent sliced cold. To keep it moist and tender turn over it the remaining gravy, cover and set in a cool place.— New York Press.

HOUSEHOLD HINTS.

Milk applied once a week with a soft cloth freshens and preserves boots and

Acid phosphate will remove ink stains from the hands when everything else fails.

One of the easiest ways of taking cold is to drop asleep without an extra wrap over the shoulders. Canned sardines carefully brown

on a double wire gridiron and served with lemon are appetizing. These are the days when extra care

should be taken to keep the feet perfectly dry. A fresh pair of stockings should be used every day. Canned tomatoes are more delicious baked than stewed. About ten min utes before removing from the oven spread buttered bread crumbs over the top.

When an eiderdown comfortable has got hard and lost all its elasticity, hang it in the cool, balmy sun for a few hours, and all the life will come back to it.

Calicoes, ginghams and chambrays cannot be properly washed along with the white clothes. They need a much quicker process, and the long delays of an ordinary wash day would ruin

The physician in charge of the Woman's Hospital in Soo Chow, China, is Dr. Anne Walter, a Mississippi woman. There is no country on earth now where the plucky American woman is not doing missionary work

Every good housekeeper browns and rolls or grates her stale bread, thus having it in readiness for scallops or frying meats, fish, croquettes. If, after being rolled, it is put through the flour sieve the additional fineness will amply repay the trouble.

Wall paper samples are deceptive.
Never select from them. They will
make your room look smaller, quite
often, though they had not that effect
merer did so well in my life. It is only Select from the roll in the sample. Select from the roll and have several strung out at once, so that you may get the full effect.

When you have strained your plain boiled potatoes, take them at once to the open door or window and give them a vigorous shaking in the draught. They will become white and mealy. Try it once, and you will do it always, so great is the improvement.

ment.

If you have many short stemmed flowers to arrange it is well to fill a low dish with damp moss, then with a sharp stick dibble holes in the moss and insert the stems. When the flowers have faded the moss may be dried and used again. Pansies show to better advantage in this way than in any other.

Do you wish to make gruel for a sick friend? Take corn meal and sift it into a quart of boiling water, stiring it until it is of the consistency of cream. Add salt to flavor, and let it cream. Add salt to flavor, and let it simmer for halt an hour or longer; then run it through a fine sieve. Have in a bowl a little cream or rich milk. Pour your boiling gruel into it, and you have a drink a sick person ought to relish.

White suede gloves may be cleaned by using dry pipe clay and an old tooth brush. White cloth such as is worn on military uniforms can be cleaned in the same way. Wet the clay and rub it vigorously. It will make an awful looking mess at first, and you think that you have ruined the cloth, but just rinse out the brush and scour the cloth with fresh water, and it will come out looking all right.

Coat-of-arms were first employed in England during the reign of Richard I., and Became hereditary in families in the following century. They origi-nated from the painted banners car-ried by knights and nobles.

The largest bell in America is said to be in the cathedral of Montreal, Canada, and weighs 28,000 pounds.

Cold That Burns

Cold That Burns.

Burning is usually associated with heat, and it seems a misnomer to speak of cold burns. Chemists tell us that there is really no such thing as cold, which is relative heat, and that the lowest temperature yet registered is some degrees above absolute cold.

At the last meeting of the Swiss Society of Natural Sciences at Lausanne, M. Raoul Pictet gave some particulars concerning cold burns experienced by himself and assistants during his investigations of the lowest temperature attainable. There are two degrees of burns. In one case the skin reddens at first and turns blue the following day, and subsequently the area of the spot expands until it becomes nearly double its original dimensions. The "burn," which is usually not healed until five or six weeks after its occurrence, is accompanied by a very painful itching on the affected spot and the surrounding tissues. When the burning is more serious, produced by longer contact with the cold body, a burning of the second degree is experienced. In this case the skin is rapidly detached, and all parts reached by the cold behave like foreign bodies. A long and stubborn suppuration sets in, which does not seem to accelerate the reconstitution of the tissues. The wounds are malignant, and sear very slowly in a manner entirely different from burns produced

and scar very slowly in a manner en-tirely different from burns produced On one occasion, when M. Pictet On one occasion, when M. Pictet was suffering from a severe burn due to a drop of liquid air, he accidentally scorched the same hand very seriously. The scorched portion was healed in ten or twelve days, but the wound produced by the cold burn was open for unward of six months. In order to try the effect of radiation in dry cold air, M. Pictet held his bare arm up to the elbow in a refrigerating vessel maintained at 105 degrees, when a sensation of a peculiarly diswhen a sensation of a peculiarly dis-tinct character was felt over the whole skin and throughout the muscles. At first this sensation was not very disagreeable, but gradually it became decidedly so, and after three or four minutes the skin turned blue and the pain become more intense and deep seated. On withdrawing the arm from the refrigerator at the end of ten minutes a strong reaction was experienced, accompanied by a superficial inflammation of the skin.—Newcastle

Making Matches of Paper.

Chronicle.

Matches made from paper are novelties, but Brunswick, Ga., has a factory in full operation that is daily turning out numbers of them.

At present the factory is conducted on a limited plan, and was commenced merely as an experiment to see what

on a limited plan, and was commenced merely as an experiment to see what demand could be created for the new product, but the success that has greeted the experiment justifies its continuance on a large scale, and it is expected that paper matches will soon be turned out in mammoth propor-tions.

Rosenda Torras is the owner of the new factory, and Senor Antonio Prat is manager, Mr. Torras being counsel for a number of foreign countries, a large lumber exporter, and a direc-tor in the National bank, is sufficient guarantee that the backing of the concern is not limited, and if the success with which the industry started is continued, it will not lack for capital to push it.—Atlanta Journal.

Professor Chamberlain, an Englishman, is the Professor of the Japanese language and literature in the Univer sity of Japan.



MOTHERS and those about to become mothers, should know that Dr. Pierce's Favorite Prescription robs childbirth of its torture, terrors and dangers to

both mother and child, by aiding Nature in preparing the system for parturition. Thereby "labor" and also the period of confinement are greatly shortened. It also promotes an abundant secretion of nourishment for the child. During pregnancy, it prevents "morning sickness" and those distressing nervous symptoms from which so many suffer.

two weeks since my confinement and I am able to do my work. I feel stronger than I ever did in six weeks before. Yours truly,

Corda Culfreffer

A MOTHER'S EXPERIENCE. South Bend, Pacific Co., Wash.

DR. R. V. PIERCE, Buffalo, N. Y.:

Dear Sir—I began taking your "Favorite Prescription" the first month of pregnancy, and have continued taking it since confinement. I did not

confinement. I did not experience the nausea or any of the ailments due to pregnancy, after I began taking your "Prescription." I was only in labor a short, time, and the physician said I got along unsually well.

We think it saved me a great deal of suffering. great deal with leucorrhee

Yours truly, MRS. W. C. BAKER.

Consumption was formerly pronounced incurable. Now it is not. In all of the early stages of the disease

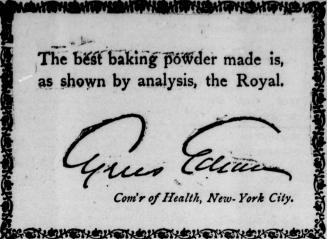
Scott's Emulsion



will effect a cure quicker than any other known specific. Scott's Emulsion pro-motes the making of healthy lung-tissue, relieves inflammation, overcomes the excess-ive waste of the disease and gives vital

For Coughs, Colds, Weak Lungs, Scre Throat, Bronchitis, Consumption, Scrofula, Ansemia, Loss of Flesh and Wasting Diseases of Children. Buy only the genuine with our trade-mark on salmon-colored wrapper.

Send for pamphlet on Scott's Emulsion. FREE,
Scott & Bowne, N. Y. All Drugglets. 60 cents and 91.



Both Ways Across the United States.

The greatest length of the United States from east to west is on the parallel of forty-five degrees north latitude; that is to say, from Eastport, Me., on the Atlantic Coast, to a point on the Pacific exactly fifty-two and one-half miles due west of Salem, Oregon, On the above parallel it is exactly 2768 miles long. Its greatest width, from north to south, is on the ninety-seventh degree of longitude, which extends through the United States in an almost direct line from Pembina, North Dakota, to Point Isabel, Texas. The greatest width is 1611½ miles.—St. Louis Republic. Both Ways Across the United States

Cold Cures. Many bad colds come from bad di-

gestion. When the stomach is out of order the body is liable to catch anything that is epidemic. Cold cures and complexion remedies are twins in therapeuties. One old prescription still holds good: Get into bed and stay there twenty-four hours; eat and drink nothing, not even water; the next day take an alcohol bath and rub arrays part of the hody red with a every part of the body red with a coarse towel; swallow a mild laxative and drink a bowl of hot milk or thin gruel. This will cure a bad cold and a bad face, if the patient takes no more food for the day than is absolutely necessary .- Home and Farm.

Corn 255 Bushels to the Acre.

The largest crop of corn ever pro-The largest crop of corn ever produced on one acre, according to the Charleston News and Courier, was that raised by a farmer in Marlboro County, South Carolina, in 1892. A prize of \$1000 was offered for the largest yield on an acre, and this farmer chose a piece of wornout piney woods, sandy land, to which he applied more than a thousand dollars' worth of fertilizers. The season was favorable and the cultivator was kept going almost constantly. The stand became so thick and heavily burdened with ears that fences had to be built with ears that fences had to be built to sustain it. When the crop was gathered it measured within a peck of 255 bushels, and carried off the prize, which the farmer richly deserved, for it takes a vailant man to spend more than a thousand dollars to enrich a single acre.

A society among merchants and traders out West has been formed, in which the members agree that they will not hold conversation about hard times, dull trade, small orders, slow collections, low prices of wheat, etc. The idea is an excellent one.—Hardward

ware. Basuto Land, in South Africa, produces and exports wool, wheat and hides.

BEECHAM'S PILLS

(Vegetable)

What They Are For

Biliousness dyspepsia sick headache bilious headache indigestion bad taste in the mouth foul breath loss of appetite

sallow skin pimples torpid liver depression of spirits

when these conditions are caused by constipation; and constipation is the most frequent cause of all of them.

One of the most important things for everybody to learn is that constipation causes more than half the sickness in the world; and it can all be prevented. Go by

Write to B. F. Allen Company, 365 Canal street, New York, for the little book on Constipation (its causes consequences and correction); sent free. If you are not within reach of a druggist, the pills will be sent by mail, 25 cents.

YOUNG MEN, BOYS YOUNG LADIES

Boar in Mind That "The Gods Help Those Who Help Themselves." Self Help Should Teach You to Use SAPOLIO



"I wish I had not eaten that salad."
"Why? I thought it excellent."
"So it was, but it has given me indisation. It distresses me fearfully."
"Oh, that's nonsense. Swallow this, on'll be all right in ten minutes."

"A . Ripans . Tabule!" "Do you carry them around with you?" do, indeed! Ever since I heard about them I keep one of the little vials in my vest pocket."

*5. CORDOYAN FRENCHA ENAMELLEDCALF. *4.5.50 FINE CALFA KANGANDE *3.50 POLICE, 3 SOLES. *2.50 \$2. WORKINGMENS EXTRA FINE. *2.51.7.5 BOYSCHOOLSHOES. LADIES:

LADIES:

BEST DONGOLA

SEND FOR CATALOGUE

W-L-DOUGLAS,

BROCKTON, MASS.

W. L. Douclas

\$3 SHOE IS THE BEST

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ENGINES AND BOILERS For all purposes requiring power. Automatic, Corliss & Compound Engines. Hor-izontal & Vertical Boilers. Complete Steam Plants.

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