

days the Niagara sailed, overcoming

great difficulties in the laying of the

cable; then, on the sixth day, when

the Niagara had left the shore 300

miles behind, a mistaken order to put

os brakes resulted in a strain which

There was nothing to do but return

to England. The Niagara salled for

New York the following November.

that the scheme had been fairly tried

once and falled, and that any further

attempt to achieve this impossibility

was madness and a criminal waste of

the stockholders' money. But in the

face of all this opposition, the little

band of resolute men, led still by the

indomitable Cyrus W. Field, deter-

They had learned by their experi-

ence many valuable lessons. One that

it would be better for the two vessels

carrying the cable to meet in mid-

ocean, make a splice, and then sail in

opposite directions. Other lessons re-

lated to improvements in the paying-

out machinery-it was found impos-

sible to wind in the cable after it was

once out, as the very weight of the

The telegraph squadron arrived at

Plymouth, England, June 3, and after

having received a fresh supply of coal,

started for midocean on the 10th, the

point of rendezvous having been de-

When the splice was finished, con-

necting the cable of the Niagara with

tained consent to make another at-

electricians on board the Niagara is

reported to have made the statement

that it was "cooked up" for commer-

cial purposes, his ground being that

before reaching Newfoundland, and

that on several occasions in paying

destroyed the insulation of the cable.

In 1865 another unsuccessful at-

tempt was made to lay an Atlantic

A part of transcontinental cable his-

tory that possesses special local in-

terest is the landing of the French

Atlantic cable at Duxbury,, in the year

1869. This was the first cable to

stretch actually from the shore of

Whales in Portland Harbor.

the other about 75 feet in length, were

seen Monday swimming about the

harbor by several cottagers at Ever-

The monsters were peacefully

compling about in the water and when

the steamer Pilgrim came down the

harbor they swam some distance

seen in Portland harbor.-Lewiston

India's Vast Petroleum Deposits.

The petroleum deposits of India, in-

cluding Burma, have scarcely been dis-

turbed and the magnitude of the pos-

its products can hardly be estimated.

lons, all of it going to Indian ports.

sible trade of india in petroleum and

Two whales, one about 100 feet and

America to the shore of Europe.

green Landing, Peaks Island.

cable. The first operative cable was

not laid until 1866.

unavailing.

Buchanan.

line was sufficient to break it.

mined to make another attempt.

Of course a great cry was raised

broke the cable.

OLD BANK BUILDING TERMINUS OF AT DUXBURY It was a great day for all. Five



Just 50 years ago next August, on the seventeenth day of the month, the first telegraphic message across the Atlantic via the new cable was sent from England to America. The message was of 90 words, from Queen Victoria to President Buchanan. It took 67 minutes to transmit. It was the first tangible proof that one of an experimental trip of three days, the greatest attempts of man in the field of science had succeeded.

When a little company of men, under the leadership of Cyrus W. Field, cided. began to organize for the purpose of bringing the old world and the new within speaking distance of each oth. that of the Agamemnon, the two veser by means of a protected thread of sels parted. A terrible storm came wire across the Atlantic, they were up soon afterward, and after 142 miles hooted at as madmen. Capitalists who and 280 fathoms of cable had been invested their money in the scheme paid out the line broke. It was only were thought by their friends to have by good fortune that the vessels rebecome bereft of reason. Few imag- turned to land in safety. ined the feat possible.

By formal agreement, on September the harbor of Queenstown, meetings 29, 1856, the Atlantic Telegraph company was organized. Its object was in London. It was proposed to aban-"to lay, or cause to be laid, a subma- don the enterprise and sell the cable. rine cable across the Atlantic." When the news of this reached Mr. Among those prominent in the form- Field, he started in great haste for ing of the company were Peter Coop- London. He remonstrated with the er, Chandler White, Moses Taylor, despondent, upheld the wavering, and Marshall O. Roberts and Cyrus W. Field.

The first step in the program was tempt. to be the laying of a cable across the Gulf of St. Lawrence, from Cape Ray Cove to Cape North. The first trial after making the splice with some was disastrous, because of a furious ceremony, separated. Anxiety was storm, but in the following year the keen, as a kink in the cable, or a cable was successfully laid. New hole running through the gutta percha foundland was to be the western term-

Assistance was obtained from the United States, Newfoundland and English governments. The United States frigate Niagara, which was de Trinity bay, Newfoundland, and the tailed to assist in submerging the cable, went to England April 24, 1857. praises in honor of the triumph. On The coiling of the cable in Liverpool the 17th of August, the famous mesoccupied three weeks. A strand of sages were sent and received by seven copper wires composing the cable between Victoria and President conductor, occupied the center. There was a gutta percha insulation, a covering of specially prepared hemp, and then the outer covering of iron wire, for protecting the cable.

Five large cones were arranged in the hold of the Niagara, round which the cable had ceased to test out long the cable was coiled. The length carried made a total of 1,264 miles. The remainder was carried by the English it out accidents had occurred that had ship Agamemnon, 1,700 nautical miles being required between the temini at Newfoundland and Ireland. Specially constructed and complicated apparatus was designed for paying out, and, if need be, winding in the cable.

Nature seemed to favor the project, for extending along the bed of the ocean, exactly between the two points to be connected, is a great pleateau, like an immense prairie, stretching over an extent of 1,400 miles from east to west, with an average depth of about two miles. As it approaches the Newfoundland coast it is entirely free from the effects of icebergs which ground on shallow bottoms. In every other part, the Atlantic is characterized by abrupt declivities and mountain heights.

Another advantage was found in the deposit of infusoria, covering the bottom in abundance. The material away, but remained in view of the showed a tendency to unite with the people all the time flapping their fron wire projecting the cable, thus huge tails out of the water and spoutforming a concrete mass, making in ing water. It was a sight not often effect a bed of down for the cable to rest upon.

The landing of the cable in Dolus bay was successfully accomplished on the 6th of August, 1857. Never before had such a mass of people assembled on the shores of that bay. They came from miles around-from their huts on the steep hillsides and the mountain passes, from the storied scenes in 1906-07 Burma produced 137,654,000 of Killarney in the interior, and the gallons and exported 55,796,000 galbleak coast in the south.

A MAN, A WOMAN AND A BABY 3

BY C. F. MARTIN

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He spent most of his time lying in a he said, judicially. "I wonder if he soft bed in a bright, sunny nursery, gets enough to eat." and he was regularly given his dinner tn a nicely warmed bottle.

The person who was most familiar to his wondering eyes was a dainty, white-clad, white-capped girl, who was always cheerful and happy. It made the baby happy to look at her; he expressed his pleasure by crowing in a language which he and the nurse seemed perfectly to understand.

He was dimly aware that outside the narrow llimts of his nursery there existed a big, noisy, confusing world. He had received vague impressions concerning it during the brief hours which he usually passed outside on sunny afternoons. On these occasions, however, the fresh air always put him to sleep so promptly that he had had but little opportunity to examine the strange things surrounding him.

Remotely connected with his inner life there appeared to be other personalities than that of his nurse, although he had never been able to satisfactorily analyze their relationship.

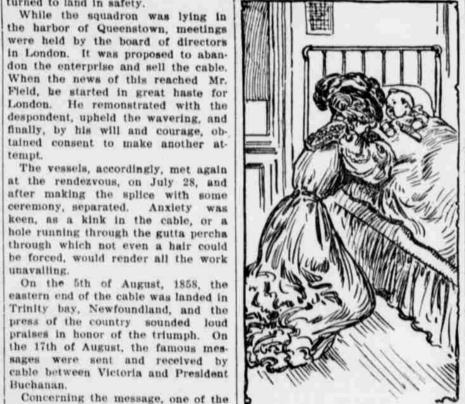
On rare occasions a man had made brief visits to the nursery. He generally looked gravely at the baby for a short time, asked a few calm questions of the white-capped nurse, and

The baby always felt much in awe of the man; he never crowed when the man was present.

More frequently the baby had a visitor who in some respects resembled his nurse, except that she was much more beautiful and more dazzlingly attired. She often bent long over the bed, and looked earnestly at the baby. Her face, despite its beauty, never seemed happy like that of the nurse, and she never talked in the language which the baby and the nurse understood.

The baby's face always grew solemn with wonder and expectation when the woman stood over him. Somewhere in his being he felt a prompting to crow to her; he somehow felt that it might bring a smile to her sad eyes -but he had never quite dared.

One day as the nurse was preparing his dinner the woman entered. She



Woman Knelt

were shadowy.

zie," she said, "I will give the baby his bottle to-day.

The nurse's eyes opened wide with astonishment, but she made no comment as she complied.

After the nurse had gone the woman tified the baby beyond measure by the traffic in gods. bursting into tears. For a time she sobbed uncontrollably, while the baby forgot his bottle in his wonder.

When she grew calmer she poured out her heart to the baby. He seemed to understand, and she had no other confidant. She told him many things of neglect, misunderstandings, and heartbreaks. Finally she ceased talking, and sat motionless, her dark eyes gazing absently out of the window.

The door opened softly, and the woman started to her feet; when she saw the man a quick flush sprang to her cheeks. "I beg your pardon," he said, instinctively lowering his eyes, "I did

not mean to intrude-I did not know you were in.' "I-I have been giving the baby his bottle," she stammered, conscious of her tear-stained face. "Don't let me drive you away," she continued, as he half-turned toward the door. "Did you

come to see the baby? I didn't know you-" "Ever came to see him?" he supplemented, as she hesitated. "Yes, I come in now and then to see how he is getting along; Lizzie is rather

young to have the care of a baby." "Don't you think he is a little pale to-day?" she asked.

He was very small, very plump, and | The man studied the baby gravely very pretty; he was possessed of a for a moment. "It seems to me he somewhat philosophical turn of mind. does look a bit under the weather,"

The baby, emboldened by the contents of his bottle and somewhat reassured by the attention he was receiving, gave a little gurgle, followed by the best crow he was capable of producing. Then he smiled cordially at the two grave faces above him, confident that they would understand that he was ready to accept overtures for his favor.

The woman's eyes lighted up; she looked at the man. He met her gaze for a moment, and glanced away.

'Queer how thoroughly his eyes are like yours," he said, with an effort at common-placeness.

"And his mouth and nose are replicas of yours." She stooped impulsively and kissed the baby's tiny mouth. Looking up, she caught the man's eye, and something she saw there brought the rosy flush back to her cheek.

"It's been a long time," he said, slowly, "since-"Yes, a long time," she murmured,

as if phrases did not have to be completed to be understood.

"Ever since-" stopped again. "Since that night in the conserva-

tory," she mused, "when you saw Cousin Tom-" 'What do you mean?" he interrupted, quickly. "Do you mean it wasn't Dick Challoner that kissed you!"

"He has never done such a thing in his life!" she exclaimed. "Oh, Mary," he cried, with a rush of

understanding, "why didn't you tell me it was Tom?" "Because you never asked me," she replied, "you chose to put your own

construction on things, and to treat me coldly, and to act horrid with-" But her speech was never finished, and the baby squealed with delight at seeing such demonstrations from this

enigmatical man. When the nurse came in a few moments later she found that the man and the woman had learned the language of the baby so well that all three were holding an animated conversation, and the subject of it all

seemed to be the baby. "Lizzie," said the woman, whose eyes were shining, "hereafter I will give the baby his bottle every day at this hour.'

MAKING GODS FOR INDIA.

Foreign Countries Cutting Into Profitable Native Industry.

Few of us realize that into the vast riangle of Hindustan is packed one fifth of the entire human race-more than 200,000,000 Hindus, 60,000,000 Mohammedans, 10,000,000 aborigines and well over 35,000,000 of other miscellaneous peoples, making up a population of over 300,000,000, speaking scores of different tongues and divided into hundreds of separate states.

The most important industry of India is agriculture, for the people are a race of farmers, and nearly twothirds of the masses cultivate the soil. eking out a living so scanty that the slightest failure of the monsoon brings acute distress, if not positive famine.

It is perhaps for this reason that India is the most god-ridden region on earth. Her deities are numbered in millions, for, quite apart from the greater gods, every little hamlet between the tremendous Himalayas and Cape Comorin has its own set of deiby the Little White ties, dreadful and beneficent.

From this it will be seen that godmaking in India must necessarily be was very pale, and her beautiful eyes an immense business, and just now there is much feeling among the na-"You may go out for an hour, Liz- tive artificers over this holy and profitable industry being cut into by forelsn merchants and traders. Only the other day an enormous five-tiered Juggernaut car of gayly painted wood and steel was made in Calcutta, and of late years Birmingham and Philadelknelt by the little white bed, and mys- phia have both secured big slices of

Every village, especially in South India, is supposed to be surrounded by evil spirits, always on the watch to inflict disease and misfortune on the people. At the same time every little hamlet has also its guardian

Our Older Civilization,

You always have to travel to the east for monuments of a time older than your own. New Yorkers go to Europe, Europeans go to China and Japan. But it is not often that New Yorkers think of themselves as typifying something of this kind to others, says the New York Press. Yet in a recent issue of a Chicago paper the editor of questions answered column suggests to one of his readers that she go to the Catskills or White mountains for a walking tour rather than to Colorado, the one given reason for the eastern trip being that the inquirer 'will meet an older civilization.'

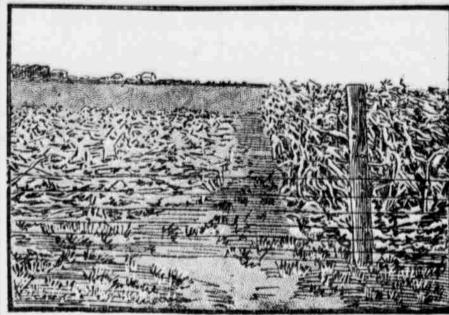
It Took Everything. Naybor-Sorry to hear you had scar-

let fever at your house. That's a-bad disease. They say it usually leaves you with something.

Popley-Huh! It isn't likely to leave me with anything, judging from the doctor's bill.

HOGGING OFF CORN IS AN ECONOMICAL PLAN

Helps to Solve the Farm Labor Problem. - By D. A. Gaumnitz, M. S., Agr., Minnesota.



Portion of a Corn Field That Has Bee n Hogged Off. On the Right May Be Seen the Standing Corn Before the H ogs Are Turned In.

Note.-Pigs should not be on one field for more than 20 days, and better if only 14 d ays.

tening process is very advantageous, grown since it costs just as much to at a time to last for two or three days. grow these varieties as it does the hogs, and field feeding of flint corn husked and fed after the corn has hardened.

One of the great objections in growing them. Feeding them off with live

and utilized more extensively.

The variety of corn usually grown in | They grow and thrive better when a locality is the proper kind to grow they have it, and some means of supfor hogging off purposes, since it is plying it to them fresh, and in large probably the best adapted to the local- quantities, must be provided. When in ity and gives the largest yield. How- the field, hogs do not come up and ever, getting an early start in the fat drink in droves as they do in the yards; therefore, it is necessary to and it sometimes happens when pas- keep water before them continually. ture supplies are short or the early When fields adjacent to the farmstead sale of hogs is desirable, that such a are used, hogs can be brought up to variety does not mature early enough. the yards and watered or fed slop as To be prepared for such conditions, it usual; where fields remote from the is well to grow a sufficient amount of farmstead are used, the simplest way sweet corn or early maturing flint corn | is to fill several barrels or casks with to tide over until the field corn is water and haul them by team on a ready for use. No more than is suf- stone boat or other conveyance to the ficient for early fall feeding should be field. Enough can thus be taken out

There are no definite data at hand to dent and they yield much less. Flint determine just how large an area it is corn is preferable to sweet corn for advisable to allow hogs at one time in feeding off corn. Results at the Mingives better results than where nesota station show that where it took the hogs 20 days to clean up a field of corn they did not make as good gains during the latter part of the ing flint and other early varieties of period as during the earlier part. Some corn has been the difficulty of harvest- farmers who have tried it claim that as good results are obtained by turnstock eliminates this objection, and it ing into the whole field at once as would seem that they might be grown by fencing into lots. This is a matter to be settled largely by circumstances Pigs weighing from 100 to 140 such as the price of labor, the shape pounds are best suited for field feed of the fields, the cost to fence them,

Showing Approximately the Number of Days Required to Hog Off an Acre of

	Average weight of Figs	WITH CORN SHRUNK TO JAN. 1, and YIELDING:								
		30 bu. per acre	35 bu. per acre	40 bu. per acre	45 bu. per acre	50 bu. per acre	55 bu. per acre	60 bu. per acre	65 bu. per acre	70 bu. per acre
	Lbs.	Days	Days	Days	Days	Days	Days	Days	Days	Days
Will keep 10 Hogs	125	22.5	26.2	30.0	33.7	37.5	41.2	45.0	48.7	52.5
Will keep 20 Hogs	125	11.2	13.1	15.0	16.8	18.7	20.6	22.5	24.3	25.2
Will keep 30 Hogs	125	7.5	8.7	10.0	11,2	12.5	13,7	15.0	16.2	17.5
Will keep 40 Hogs	125	5,6	6.5	7.5	8.4	9.3	10.3	11.2	13.2	14.1
Will keep 50 Hogs	125	4,5	5.2	6,0	6.7	7.5	8,2	9.0	9,7	10.5
Will keep 60 Hogs	125	3,7	4.4	5.0	5.6	6.2	6.8	7.5	8.1	8.7
Will keep 70 Hogs	125	3.2	3.7	4.3	4.8	5.3	5.8	6.4	6.9	7.5
Will keep 80 Hogs	125	2.8	3.3	3.7	4.2	4.6	5.1	5.6	6.1	6.5
	,	W	J	1		A	J	/F		6. 12

ing since they have at that weight | and particularly the soil and climatic formed a good amount of bone and conditions. Where there is much rain muscle for framework, and are in a and the soil is sticky the areas should condition to fatten rather than to probably be limited so that they can grow. Those that have been grown on be cleaned up in 20 days or less. Where pasture are better fitted for the work there is but little rain, and the soil is than those that have been confined amounts of expensive mill feed. Shoats proximately 92 pounds.

sandy or gravelly, there is perhaps no in pens, as they are more active, and good reason for limiting the amount of have had more experience in gathering corn beyond that which they can confood for themselves. They, therefore, sume before the end of the season. If eat corn more readily and require less by mismanagement or accident any part of a field is left unfinished brood of this weight may be expected to gain sows or stock hogs may advantageousabout 1.4 pounds daily. In 60 to 70 ly be used to clean it up, and if the days of feeding they should gain ap amount is large, then they should be turned in for only a short period at a Hogs weighing from 200 to 240 time, as their breeding qualities are

A Corn Field That Was Hogged Off in the Fall, Then Disked Twice and Harrowed Once the Following Spring.

pounds almost always bring good | easily injured by excessive corn feed prices. It is not unreasonable then ing. to expect to start with pigs that weigh from 110 to 140 pounds. If farrowed in early April, pigs will make these

weights by September 10. Old brood sows that are thin in flesh into a field. A few weeks on early varieties of corn will usually permit pigs. such sows to be marketed early or before it would be possible following the common method of feeding.

While eating corn in the field hogs require a great deal of clear water. tacro

For convenience, a table has been arranged showing approximately the number of days required to hog off an acre of corn yielding various amounts in order to enable the feeder fatten up very quickly when turned to judge as to the acreage of corn he will need to inclose at a time for his

> Comfort is highly essential to the growth and well-being of pigs; and while they are out in the fields shelter of some sort must be provided for