PIPE LINE TO GOLD MINE 328 MILES DISTANT.

Worth a Cent a Square Mile Rich in Gold.

Western Australia is now one of the largest gold producers in the world. Twenty years ago the great desert east of the fringe of fertile grain lands and timber along the sea was not supposed to be worth a cent a square mile. The desert was wholly unknown, except that a few explorers had made their toilsome way over the immense expanse of sand; a few others less fortunate had perished in these forbidding wastes.

Then it was found that this Sahara was really to be the treasure house of the colony. The model of the colony the colony. The precious metal dug out the other hand, it is well known that suffer himself to be treated, whether of these sands has made the gold product certain immigrants, notably Italians, by a great chieftain or a petty officer, of Western Australia equal to that of all the other states in the Commonwealth. Gold has helped this division of Australia to become one of the lustiest members of the British colonial empire.

Around the great mining center in the desert 50,000 people are living. It's natu- test of ability to manage horses would mutiny would forthwith results, and ral to ask how they get water to supply least desirable immigrants. The infer-vance of the government and the their needs. The fact is, water is an ence is quite plain that the increased courts, would make a fine uproar. extremely scarce commodity there. It use of work animals, farm machinery probably does not bring so high a price and all other labor-saving methods Under our flag a man is never beaten water is obtained without much difficulty will tend develop a greater average without the scandal's being thoroughly aired, and if a court-martial had to is an occasional shower, and every house may be learned from the animals. Man one may perhaps call in question, but and tent in the mining district is sup- and fool notions, the result of a nerplied with tanks to catch the rain water;

We have no idea here, where water seems almost as free as air, how careful they are in the mining region of Western Australia to put every drop to the best use. It is not comfortable to be compelled to use water as though you never expected to have another pailful. The inconvenience and discomfort due to this cause are a terrible drawback to that region, and nothing less than the greed for gold would induce anyone to submit

to the incessant deprivation.

Today Western Australia is hard at work to remedy this great need, and to supply the Coolgardie and Kalgoorlie mining districts with a good supply of water. The total cost of the work will be not less than \$15,000,000, but it will solve the water median.

solve the water problem.

About 25 miles northwest of Perth, near the sea, and the capital of Western Australia, is the Green Mount Range. The Helena River crosses this range through a deep valley. A dam 100 feet high has been built across the river, and the resertion of the resertion of the river, and the resertion of the river and the river and the river and the resertion of the river and t voir thus formed is seven miles in length and will hold 4,000,000,000 gallons. It is necessary to lift the water 2,750 feet to that the behavior of animals is somethat the blood flowed. When he was suddenly seized by fiends in galloons, bound to a table and flogged until the blood flowed. When he was released he had to be taken to the hospital, and as soon as he came out he get mad so easily if this animal could hanged himself. supplied, is 328 miles. The water is to hit back?" will tend most decided! In April, 1903, a subaltern named be raised to the mountain top by means to calm the owner's temper. Animals Huessner, enraged because a drunken which has been purchased at a

At the summit of the mountains the pipe line begins. It is 30 inches in diameter, and is laid a little under the surface along the railroad track, except that in crossing various salt lakes on the route it is supported on piers. It is hoped to deliver from the reservoir to the mining camps 5,000,000 gallons of fresh water daily. Even with this amount of water it is not expected that the mining population will have a drop to waste. They will have a pay a good price for it. The charge to the miners, for example, will be \$150 to \$175 per 1,000 gallons at wholesale rates. We should probably have little street sprinkling, and garden hose in the backyards of Brooklyn would become obsolete if we had to pay so high a price as this for the precious

It is not expected that the project will become self-supporting for some time.

The plant is to be owned by the state, and the deficit must be paid out of the general taxes. Even if the 50,000 persons to be supplied should require the works run at their fullest capacity, the pipe line would hardly meet expenses. It is believed, however, that an in-creased production of the gold will be made possible by a good supply of water, and that the entire state will thus be benefited, for more miners will be required in the field, and practically all their supplies, except machinery, come from the farmers and merchants of West-

ORIGIN OF THE MINCE PIE.

The archaeology of the mince pie is somewhat lost in its obscurity. However, it is certain that it was custoTablets. Listen to what he says of "crib" was a normal accessory to the "Christmas ornaments of the household, for the good housewife to provide imitations in pastry of the "crib," to be handed around to the children as edible tokens of the meaning of the day. These pastries were made small and round, somewhat, of the shape of an another than the shape of another than the shape of an another than the shape of another than the shape of an another than th round, somewhat of the shape of an early cradle, and the paste in the mideral early cradle early cradle, and the paste in the mideral early cradle early minced fruits were secreted under the the third century. upper layer of pastry, and it was re-garded as most unlucky for any one as shown even by the surface scratchto cross the threshold without accept- ing that has been done, are simply stuing one of the religious emblems. It pendous,

The Glory

of the Fields

CARRYING WATER

Is very curious to what a closeness the fashionable mince pie of today perpetuates the original shape, and it is equally curious that the mince pie should have retained a shape which is not possessed by any other pie. The large round pie is a modern device, and in it the original meaning has been entirely lost. It has been stated, however, though the evidence is not very conclusive, that the larger pie has conclusive, that the larger pie has conclusive, that the larger pie has conclusive. conclusive, that the larger pie has come down to us from the days of re-volt against the abuse of religious em-Land That Was Not Thought To Be

We can readily understand why mince

The Record for 1903—Courts-Martial was not given up altogether.-Liver-

> SOME PRACTICAL LESSONS FROM STALL AND STABLE.

'Horse Sense" Describes the Simple Sane Notion of Things That Animals May Teach Us.

haps indirectly teach us as much as blows struck as lessons have always we impart to them. It is to be noted been—and, thank God! always will bethat the nations making liberal use of impossible. It is not merely the law Japanese and Chinese, know but little with the brutal insolence in vogue about the management of horses or other farm animals. It is perhaps more than a coincidence that these sergeants or corporals so far forgot nationalities are also among the most himself as to assault a recruit, or to ignorant of the immigrants and least terrorize his company or squad, a fit for American standards of living. A really sift out a large proportion of the public opinion, getting the facts in ad-

by digging, but the cost of condensing it lessons taught by farm animals. The pass judgment on such a case, the to procure fresh water is so costly that expression "horse sense" well describes guilty party would be severely punishevery pint must be carefully used. There the simple, sane notion of things that ed. France has other qualities, which kind for the most part is full of whin the sentiment of human dignity dwells and fool notions, the result of a nec-yous, artificial life, a wrong education children, and this the whole world but it is an unreliable source of supply. and numerous superstitions. The knows.

are plenty nearly enough like our own in the barracks, and the villainies of out question, the well-known, sound

which some farmers distribute so free- leled anywhere else on earth. ly are acts of a bully and coward. They trol their temper when a good-sized line, was suddenly seized by fiends

SUICIDES ARE

TABLETS THE SAFEGUARD AND their hearts.

The pains and aches of Indigestion are the smallest part of it. It is the despondency the disease breeds that makes it such a fearful menace to the human race. It is said by an expert that if the stomach of every suicide were examined, it would be found every one of them was a dyspeptic.

A dyspeptic loses confidence in him-Rivers, Que. He says:

order to render it more palatable some flooring of a Roman house dating from

CRUELTY IN THE ARMY OF GERMANY.

Show the Condition Existing for Years Past.

Yes, we speak of the gayeties of the sabre. In the French army brutality is the exception—the amazing exception which calls out immediate protests, inquiries and punishments. With us, violence practiced as a matter of principle, insults reduced to a system, and The hard-working farm animals per- blows struck as lessons have always among our neighbors. If one of our

The result is that every drop of water must be husbanded.

We have no idea here where water from these drawbacks and show better in the German army. Of this we find the real truth and intuition of nature. proof in the startling books published Many a silly notion of pampered or in Germany itself during the last few disordered brain, heart or stomach months — A Little Garrison, beart or stomach could be placed in its true relation by Lieutenant Bilse, and Jena or Sedan, reference to an average tenant of the by Herr Beyerlein—which have had farm, stable or barn. They are all our a great popularity among the enlight-"cousins," these faithful helpers, and ened German public becase they have the workings of their bodies and minds to be in a way comprehended. With- the parade and drill which fearless publicists had denounced before them sense, combined with resourcefulness and which the imperial government, of the representative farmer, is, in unable longer to ignore officially, has part, owing to his close association with his animal helpers. as yet, by numerous penalties meted On the other hand, abuse of farm out against such brutes in uniform, animals may tend to brutality and So we have witnessed a succession of cowardice. Most of the kicks and blows trials which could not have been paral-In March, 1903, at Potsdam-I shall

would never dare treat anything that speak only of the present year-a committed a slight breach of discip-

that have been properly cared for soldier had failed to salute him in the trained and fed, are often a standing street, assaulted the unlucky fellow lesson to their owners on the rock and with two strokes of his sword bottom principles of sensible life and broke his skull, thrust him through the chest and left him dead on the spot. When brought to court for this murder, Huessner told the judge that the honor of a German officer required him never to draw his sword without shed-ALL DYSPEPTICS ding blood, and to draw it whenever he was disobeyed. This scoundrel who was accustomed to shout at his young TERRIBLE DESPONDENCY THE recruits: "Eyes front, you donkey-heads, or I'll kick your insides out," WORST FEATURE OF STOMACH Was deeply surprised when sentenced to several months in prison, and his TROUBLE-DODD'S DYSPEPSIA comrades interceded for him with all

In May, 1903, the subaltern Warneck was sentenced to two years and a half of forced labor. He had killed no one, poor fellow. He had contented himself with spitting in the faces of 166 recruits, and with striking some of them with his stick.

In the same month Sergeant Kisch was sentenced to eighteen months in prison for having tortured young soldiers, whom he had to drill, by a process only to be equaled by a self; loses hope for the future. He just wants to give up. Take the case of Hene Trudel, a student of Three pummeled their faces, chased them "My Indigestion made alarming progress to the extent that I was discouraged and weak. Every day saw they were completely exhausted. Durme in despair. I was resolved to give up my studies."

But Mr. Trudel did not give up his studies he wood Dadding the grant with tanbark. He often forced them to undress and threw himself upon him, shouting: Jump up or you die, and struck him in the face with his fist, cutting his on the injured foot so that Koehner had to take to his bed and stay in the hospital six weeks."

In August, 1903 another subaltern, by the name of Dunkel, was sentenced, the sentence formerly pronounced for having struck 166 of his soldiers against Sergeant Breidenbach, of the and for having compelled his entire Fourth Infantry Regiment of the Imsquad to make a forced march with perial Guard, for having struck 1,207 gravel in their boots. He also amused members of this select troop during helped them a little, so that one of

those thirty had arms or legs broken. In October, 1903, the chief sergeant of the Nassau Regiment, the petty of the Nassau Regiment, the petty officers and the hospital nurses flogged and the trooper is treated like sand passengers, and the highest average in 1902, and kicked a poor fellow by the name of Beyer, who was at last taken to the trooper is treated like sand passengers, and the highest average in 1902, and kicked a poor fellow by the name of Beyer, who was at last taken to the trooper is treated like sand passengers, and the highest average in 1902, and kicked a poor fellow by the name of the trooper is treated like sand passengers, and the highest average in 1902, and the highest av made a butt of him. They had compelled him to lick the pavements of the barracks court, carefully picking out the dirtiest places and when at last he refused, because he was tired out, they struck him. In the hospital, when the truth came out, the nurses amused themselves by burning his eyes with a magnifying glass, and when he was blind they took pleasure in whipping him. The surgeon found this a charming game, and one day, after a good luncheon he came to the luncheon, he came to take part in it, but death came sooner. The relatives of the unhappy soldier had the "con-



Pre-historic man crouched around a brush fire to keep himself warm.

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makes a perfect iron-to-iron connection without a washer, leaks at the joints are impossible.

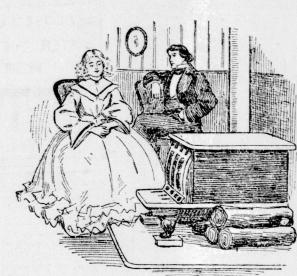
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The charcoal brazier of ancient Rome was

beautifully wrought but gave little comfort.

Our grand-parents sat by the old box stove with chilly backs and burning faces,

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in prison, and on the same day the military court of the empire confirmed GROWING POPULATION himself by ordering them to beat their the last few years.
heads against a stove, and when they

I think that after this far from com-

acked the courage to do it, Dunkel plete list-for we only hear of the most important cases—few Frenchmen will them, the simple-minded soldier Kruse exasperated by this torture, committed what goes on among us and what happens elsewhere. Here every effort In November, 1903, an officer at the of the government and of the officers barracks of the Melas Lanciers was sentenced to eight months in prison for having tortured thirty of his horsemen with lance thrusts. Sowend as the army in which all must serve, a school of citizenship and of patriotism. Steamship lines as reviewed by Engimen with lance thrusts. Several of those thirty had arms or legs broken. In Germany, under the imperial rod, steamship lines as reviewed by Engithese thirty had arms or legs broken. flogging. Human dignity is not re- to have any ship debarking one thou-

of Beyer, who was at last taken to the hospital. The facts were these: longer seen in France; we must look the old soldiers of his company had elsewhere to find them.—Charles longer seen in France; we must look passengers of all classes. Even as late steamers, 312; the American Line, 310; Laurent, in Le Matin.

> The results of the St. Petersburg census show that of the 22 persons who, it is alleged, had reached the age of 100 or over, all were women.

Most Sudden and Dangerous of Ailments. Dr. Agnew's Heart Cure relieves in 30 Minutes:

OF OCEAN STEAMERS

SEA MUCH INCREASED.

lantic linedr is forcibly exemplified in satisfactory. Taking the average of where ice may be found on any day as 1900 there was not a very great increase either in the maximum in one in 1898, 278 by the Cunard Line. ship or in the average of any line; the White Star again took the first place in that year with 886 passengers. In with an average of 1,130 passengers. In 1902 there were only two cases of American second with 1,012.

Last year, instead of only two lines having an average exceeding 1,000, there were seven, according to Engineering, clined. Minutes:

30 Minut

the Italian Line, the Prince Line, and sengers; the Hamburg-American; the Hamburg-American Line emigrant Anchor Line, from Glasgow; the French ships from the Mediterranean.

All these ten lines with the highest averages per ship, are foreign-owned, years; and the Red Star Line. the first of the British lines being the Anchor, with their emigrant ships Minard's Liniment for sale everywhere NUMBER OF THOSE CROSSING THE from the Mediterranean, having an average of 836; then the Cunard, with! Traveling baths on one of the Rus-802, and the White Star, with 748. Some consolation, however, is found, con-The great increase in the size and tinues Engineering, in the fact that lying districts. our position, so far as cabin passen-

first-saloon passengers per ship, the North German Lloyd vessels again take first place with 153, and if to this be added, the average of second-class passengers, we have a total of 362 per ship for cabin passengers, which is in 1900 it was 392 by the Cunard; in 1899, 213 by the American Line; and There is not, therefore, the same de

velopment here as in the total of all classes, a fact which is, perhaps, due the following year the North German Lloyd stepped ahead of all the others, with an average of 1,130 passengers, traveling to the United States. In the old days, not many years ago, when Disesea In 1902 there were only two cases of old days, not many years ago, when averages exceeding the thousand, the steerage passengers had to take their North German Lloyd being first with 1,242 passengers, and the Hamburggo second-class in a cheap ship, but now, with every convenience in the

There is a point near the famous Stony Cave, in the Catskill Mountains,



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The fields have no