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CHARTER SMITH. DURHAM FOUNDRYMAN

The Chronicle is the most wide the County of Grey.

KISSING UNKNOWN IN JAPAN. Kissing is almost unknown in Japan. A mother never kisses her child,

Standard Bank of Canada THE BLOOD OF THE

Rev. Dr. Talmage Speaks of Death of Christ.

sim." I John,i. 7. or partition of his hair; forehead plain spot or wrinkle, a lovely red; his nose and mouth so forked as nothing can copy of his death-warrant, signed by and Capet.

Sometimes men on their way to the scaffold have been rescued by mob. No such attempt was made in this case, for the mob were against him. From nine a.m., till three p.m., Jesus hung a-dying. It was a scene of blood. We are so constituted that nothing is so exciting as blood. the child's cry in the street that so arouses you the crimson dripping from its lip. In the dark hall, seeing the finger-marks of blood on the plastering, you cry, "What terrible deed has been done here?" Looking upon this suspended victim of the cross, we thrill with the sight of blood-blood dripping from thorn and nail, blood rushing upon his cheek, blood saturating his garments, blood gathered in a pool beneath. There is only one red word in the text that rouses up our attention and calls back that scene: "The blood of Jesus Christ His Son cleanseth us from all sin."

The blood of the cross was royal blood. When we see the son of a king our liveliest interest is aroused. Let the Prince of Wales, or the Prince Imperial of France, even in his broken fortunes go through the streets, and all the city would turn out to look. It is called an honour to have in one's veins the blood of the house of Stuart, or of the house of Hapsburg. Is it nothing when I point you to-night to the outpouring blood of the King of the Universe?

In England the name of Henry was so great that its honors were divided among different reigns. It was Henry the First, and Henry the Second, and Henry the Third, and Henry the Fourth, and Henry the Fifth. France the name of Louis was so favourably regarded that it was Louis the First, Louis the Second, Louis the A FIRST CLASS HEARSE IN CONNECTION Third, and so on. But this King of whom I speak was Christ the First Christ the Last, and Christ the Only. He reigned before the Czar mounted the throne of Russia or the throne of Austria, was lifted, "King, Eternal, Immortal."

A king dying! You remember, when the last Czar of Russia was in his fatal sickness, that bulletins were every hour dispatched from the palace, saying, "The king is better, or "The king is worse," or "The king is delirious," or "The king rested easier through. the night," or "The king is dying," and "The king is dead." The bells tolled it, the flags signalled it, the telegraphs flashed it. Tell it now to all the earth and to all the heavens-Jesus, our King, is sick with his last sickness. Let couriers carry the swift dispatch. His pains are worse; he is breathing a last groan; through his body quivers the last anguish; the King is dying; the King is dead! Ye who come round about the cross, look out how you tread in what you see beneath. It is royal blood. It is said that the Unitarians make too much of the humanity of Christ. I respond man surgeon, standing under the would have been found to have the my right hand, while with my left are sensitive like ours. If it were an rub all our sins away! angel being despoiled I would not feel | If I could marshal before you all the it so much, for it belongs to a differ- sins of the best man in this house toent order of beings. But my Saviour night, this whole audience would is a man, and my whole sympathy is shriek out with horror. Sins against aroused. I can imagine how the spikes God and man; sins against Sabbath felt-how hot the temples burned- and sacraments; sins against body what deathly sickness seized his and soul; sins against light and knowheart-how mountain, and city, and ledge; sins against Sinai and Calvary; mob swam away from his dying vision sins against the grave and the resurly read newspaper published in -something of the meaning of that rection; sins against the judgment; cry for help that makes the blood sins against the throne of God and of all the ages curdle with horror: the mansions of glory. I blow the forsaken me?"

A despatch from Washington says: , tire stranger maltreated, and his life -Rev. Dr. Talmage preached from the cozing away on the pavement, you following text. "The blood of Jesus would feel indignant; but if, coming Christ His Son cleanseth us from all along the street, you saw a company of villains beating out the life of Eighteen centuries ago there lived your brother, the sight of his blood one Jesus. Publius Lentulus, in a would make you mad. You would letter to the Roman Senate, describes bound into the affray. At the peril him as a man of stature somewhat of losing your own life, you would tall; his hair the colour of a chestnut | rush in, saying, "You vagabonds! this fully ripe, plain to the ears, whence is my brother. I dare you to touch downward it is more orient, curling him again!" You would fight until and waving about the shoulders; in you fell dead beside him. That is your the midst of his forehead is a stream, brother, maitreated on the cross. They spat on him, and slapped him in and very delicate, his face without the face. How do you feel about The lightning sheathes itself in the that? What are your emotions as you hear the falling of the blood upbe represented; his beard thick; in on the leaves beneath-drip, drip, colour like his hair-not very long; drip? Do you not feel as though, coming this way. Make room for the his eyes gray, quick and clear. He with supernatural power, you could courier. He swings his sword. Good must die. The French Army in Italy rush upon the mob? Do you not feel found a brass plate on which was a as if, standing close, with your back Salvation comes to the rescue. Fall John Zorobabel, Raphael Robani, in your hand, and a cry to God for Allies of light and love, to arms! to number of photographs of the minidoes that assailed him? But you can- in defeat, victim, and there he hangs-your our Lord Jesus Christ." Oh! man rivers which are now under dis-I tell it ?-you slew him! I charge it first upon myself, then upon all ye who hear me to-night, the awful crime of fratricide. His blood is on our hands. Bring me a laver, quick! that I may wash it off. Show me the pool where I may be cleansed of the terrible stain. Here it is. have found it. It is the fountain for all sin; and though sin were as scar-

> Come then, and get your sins pardoned. Sitting where you are, accept this moment the blood-cleansing. First, from that old sin. Do you ask, "What sin do you mean?" I mean that old sin that you committed years ago. It may have been two years, ten years or twenty years. You know when it was. I think that old sins are like other debts-they increase by having the interest added on. They are tenfold greater now, and have been multiplied by all of your opportunities of having them pardoned. Does that old sin present its dun at the door of your soul tonight? Can you not pay it? Does it threaten to carry you off to jail? Does it propose to sell you out? Better get together all your bonds and mortgages, and certificates of stocks, and securities. Come, let me count them !-not enough. Bring all the clever things you have ever done. Let all that you possess. You say, "I have brought everything! Alas! at all. you cannot meet the obligation. You must die. "No! no! no!" says a voice from heaven. The blood of Jesus Christ, the royal blood, the human blood, the expiatory blood, cleanseth from all sin. What, is that old sin gone?" Yes I heard it topple over and splash into the depths of the sea. It sinks like lead. There is no condemnation to them

who are in Christ Jesus.

let, it shall be as snow.

Circumstances aggravate sins. a child does wrong, not wittingly, you excuse it; but when we do wrong, we know it. Every time a sin is committed, conscience tolls a funeral bell. We may laugh, and pretend not to hear it, but hear it we must Our sins are against warnings and reproofs, and doubly aggravated. This man's sins are more heinous than the transgressions of that man, because he had a better bringing up. Your common sense teaches that the man who came to Chirst, and heard the full expression of God's love, and then went away to betray the Lord, must drink the bitterest 'gall, and the thunders that at last drive him away will roll and crash with all the accumulated wrath of God omnipotent; and yet to-night my text sweeps circle of pardon around all these accumulated sins. Fire may not be able to burn them out; hoofs may not be crushed ribs as the result of the fight. that we make too little. If some Ro- able to trample them out; hammers may not be able to pound them out; serious injuries than painful cuts and cross, had caught one drop of the but here is blood that will wash them blood on his hand and analyzed it, it out! Come! come! I take you with ranging nets a long curling arm came same plasma, the same disk, the same catch the warm blood that gushes different ploughs in use. Casting fibrine, the same albumen. It was un- from the heart of Christ and pour it boat he vainly attempted to loosmistakably human blood. It is a man over your soul, and, lo! the blackness that hangs there. His bones are of of your sin is gone for every O that the same material as ours. His nerves the red hand of Christ to-night would

'My God My God! why hast thou trumpet to-night, and call up all the sins of your past life. I wave them I go still farther, and say it was here from the past. I stamp them up too short to be employed .- Lord Chesa lover never kisses his sweetheart. a brother's blood. If you saw an en- from beneath-gather them into com- terfield.

thousands; into battalions of ten thousands. We have a host vaster than that of Xerxes. Let the largest of the thousand iniquities be colonel over the regiment. Let the swarthiest transgression of your lifetime be general over all the host. Together let them wheel, and march, and fire. How the couriers of death dash up and down the line! How the great batteries of woe belch forth sulphurous smoke of hell and boom with the cannonading of eternal destruction !-The host of thy sins innumerable, marching on

to capture thy soul. One man against a

million armed iniquities. Who can go

forth and meet them? We must fall

back. Are there no allies to hel?

In all the round of God's universe, is there no one to take our part? Arise, ye seas, and whelm the host! Strike, ye lightnings, and consume

But the wave strikes the beach, and falls back crying "No help in me! black scabbard of the midnight cloud, and says "No help in me!" But yonder I see a white horse in hot haste news! good news! The Captain of against him, and with one good sword back, my sins! fall back, my sorrows! experiments. Recently were taken a help, you could hew down the despera- arms! The host of our sins scatter ature River Elbe as it had been laid not help. The blood rushes from the soul , shouts "Victory through Elbe is only one of a number of Gerdead brother. What is worse-shall take your feet out of your broth- cipline and the results obtained can er's blood. Go not down, condemned at last, for fratricide, and regicide, and Deicide. Better for thee that Calvary had never borne its burden, rivers. and the lips of Christ had never addressed thee in invitation, if, rejecting all, thou goest into eternal desolation, thy hands and feet bedabbled with the blood of the Son of God.

Oh ye dying, but immortal men! ye blood-bought, judgment-bound hearers! repent, and believe, and hear, and live! "How shall we escape if neglect so great salvation?"

SHELLFISH

Make a Curious Sound By the Closing of Their Shells.

Most seamen can tell of curious clinking sounds heard on calm nights at sea, and the origin of the noise seems so altogether unaccountable that it has often created some alarm among superstitious fishermen.

A distinguished naturalist made a careful study of the sounds on many occasions, and found that it was not a sustained note, but made up of a multitude of tiny notes, each clear from a high treble down to a bass. When the ear was applied to the gunme count them !- not enough. Bring | intense, and in some places, as the boat moved on, it could not be heard

> On other occasions the sounds resembled the tolling of bells, the booming of guns and the note of an

> Aeolian harp. trace the cause, but at length discovered that the sounds were made by shellfish, hundreds of them opening their shells and closing them with sharp snaps. The noise, partly muffled by the water, sounded indescribably weird. He was finally led to the conclusion that, as the shellfish made the sounds, they probably had some meaning, and that the clicks might possibly be a warning of danger when the shallow water was disturbed by the boat.

> > WITH KNIVES

Fishermen Fought the Huge Octopus and Saved Their Lives.

Quong Wah and Jim Sing, Chinese pus, which battled fiercely until over 15 feet of his tentacles had been hacked to pieces by the fishermen's knives. When the fish had disappeared beneath the water it was found that Quong Wah had sustained a fracture of his arm and several while his companions had no more bruises. While the men were arover the side and seized the body of Wah. Grasping the thwarts of the without interruption for weeks. en the grasp of the monster. His companions, paralyzed with horror, were helpless to aid him, until curling in his rivers. A red sand feeds slowover the boat another serpentine ly into the "mouth" of the river. arm glided toward them. Drawing their knives, they slashed desperately at the tentacle that had wrapped itself around one of the seats and threatened to capsize the boat. a few moments the sharp knives had done the work and the arm of the octopus squirmed helplessly in the bottom of the boat, and the fish disappeared. This is the second time fishermen have been attacked by devil fish in this bay.

Never think any portion of time

panies of hundreds; into regiments of SCIENCE STUDIES RIVERS.

GERMANY SHOWING THE WORLD HOW TO MAKE RIVERS FLOW.

Laboratory Has Been Built for the Purpose of Experimenting. Prof. Engel's Practical Tests With a Miniature River

Speaking of the development of the

scientific spirit in Germany, an English wit said, recently: "Why, gentlemen, even the winds of the fatherland blow scientifically." If he had said, " Even the waters of the fatherland flow scientifically," his joke would have been as effective, and at the same time, curious as it may seem, he would have had the honor of announcing the first news of an important scientific departure. For German science has been grappling with the problem of making the rivers the empire flow according to rule, and with this in view an extensive experimental station, called the Flussbau Laboratorium, river building laboratory, has been set up at Dresden, in Saxony in connection with famous technical school of that city. It is directly under the control and support of the government and its to warrant some description of the delivered out in the experimental tank. The not fail to have the deepest importance and significance in America where there are so many navigable

> banks of rivers. In Germany, the quesfore more destructive and costly, that it is supporting it. Moreover, the rivers of Germany are not, generally speaking, so swift and of effectiveness as to navigability.

scientific methods to bear on these and distinct in itself, and ranging torium was established about three years ago. Prof. Engels began his work in the typical German way, that wale of the boat the sound grew more it, by investigating his subject thorfore attempting to offer practical suggestions. A large room is set aside in the basement of the Dresden Technical School, and here, elevated some four feet from the floor. Prof. Engels has had constructed an iron trough. For a long time he was unable to or tank about seven feet in width and two feet deep, reaching the full length of the room. At the upper end of this trough a large river tank is placed with appliances for permitting the water which it contains to flow into the trough in any required volume, and in such a way that it wil exactly imitate the even flow of a river. The experimental trough is filled to some depth with sand, and the course of a river is laid out, angling down the trough through the sand. It is at first of even depth throughout, and the banks are protected by small bags of shot. Into this miniature river the water is allowed to flow at a given speed, and Prof. Engels studies closely all those places where the sandy bottom is washed While attending their shrimp nets out, where it is filled in, where the off California City recently, Ah Lee, banks have a tendency to cave away and where new banks are building up. fishermen, were attacked by an octo- As the water flows it naturally carries much sand entirely out of the trough. All this is caught and preserved in a most ingenious manner. As the water leaves the trough it is carried over tin ribs behind which the sand is deposited, finally falling, entirely clear of all soil, into a large tank at the lower end of the trough. Here a pump is constantly at work driving the water which thus comes. through the "river" back to the upper tank, thus using it over and over and enabling the river to flow on Prof. Engels has sands of various

> exact position of deposit of sand wash shows in bars and banks half way down or more, indicating exactly where the river was, at any given time, adding land. A little later, blue sand used in the same way might show the formation of still other bars, and the removal of the red sand bars previously produced. Controlling the water as he does, Prof. Engels can have a freshet at any time he sees fit, noting its effect on his river, or he can imitate the sluggish flow of dry autumn. If his river is exceedingly crooked he can produce a new channel artificially as it might be produced by a sudden great rushing of water, and

colors which he uses for showing the

he can build dams, breakwaters, piers docks, bridges, and so on, and note in each case, the exact effect which these produce on the river, whether they tend to deepen or to obstruct the channel, the influence of each as regards the formation of bars and banks and so on, and how deep pil ing must be driven to escape underwashing by a narrowing river-all facts of the utmost importance to engineers.

Many of the rivers of Germany

have been plotted with great accuracy

not only as to their shore lines, but

with regard to the contour of their channel beds. With these maps and contours in hand, Prof. Engels is now engaged in laying out to an exact scale various sections of the more important German rivers. He duplicates exactly every curve, builds in every crib and breakwater, and then turns on the water at the ordinary rate of flow of the river under investigation. A stretch of the Elbe has just been completed, and a beautifully near piece of work it is, the cribs all accurately placed and the banks held in place with bags of shot. When the water is turned on Prof. Engels indicates with great enthusiasm where work has now advanced sufficiently the bars are being built up where the channel is deepening, where hollows were filled in and so on. Then he proceeds to indicate where a new crib That led to Some of the World's Greates might serve to preserve a deep channel and at the same time cause the river to deposit its sand in shallows suggested, it is said, by a workman where the river might well be filled who was placing a piece of hot iron up and add to the usefulness of the in the rolls and carelessly allowed his shore properties. In each case where tongs to be drawn in also. Noticing a change seemed desirable Prof. En- that the tongs rolled without breakgels experiments with piers and cribs | ing, he called the attention of the Supto see which will be the most effec-It is the ingrained waywardness of live. In this way, he will be able, ter was investigated, experiments were a river to do very much as it pleases, from actual experiments, to make made, and it was found that cold rollgouging out an embankment here and practical suggestions for river im- ed iron is equal to steel for shafting filling in a channel there, sometimes provements. The trouble has always purposes. undermining a tower and often break- been that engineers said that a crib ing dams and piers placed in its way here or a breakwater there would ac- ally discovered the art of etching upto keep it in order. Vast sums of complish certain results, but when the on glass. A few drops of aqua fortis money have been spent by all the crib was built at large expense it fre- fell upon his spectacles and he noticgreat nations, and spent injudicious- quently happened that the irresponly, as the Germans believe, in dredg- sible river did something quite unexing channels and in protecting the pected, thereby discounting the effect the hint, drew figures upon the glass tiveness of man's handiwork. But by with varnish, applied the aqua fortis tion is even more important than it testing these engineering schemes be- and then cut away the glass from is in America, for the reason that the forehand in his miniature river, Prof. around the drawing. Removing the country is more densely peopled, the Engels hopes to do away with uncer- varnish, he found the figures that he land is more valuable and changes in tainty and loss-and the government the course of flow in a river are there- has so much confidence in his scheme ground. The keynote of the whole work is,

long as they are in America, and it the river regulate itself, to put down is needful to keep them at the height cribs and other river building devices in such a way that the river will keep It was with the idea of bringing its own channel clear and deep enough for navigation purposes, thereproblems that the Flussbau Labora- by saving dredging, and at the same time fill such spaces as the engineer wishes filled. He believes that a more thorough knowledge of rivers and careful series of experiments with acoughly in the weight of science be- tual river courses will enable man to do almost what he wills with rivers, and do it much more cheaply than beand do it much more cheaply than ever before. The work, as he says, is only just beginning; but he and other distinguished engineers and scientists who are interested in the work believe that there is a great future for the work, They see the time when ra the possibility of producing an inall rivers will be regulated by the advice of river-building experts who have laboratories, such as the Flussbau laboratorium, in which tests and experiments can be made. Verily a new profession is born-river building.

The "Chronicle" is the only 12-Page Local Newsparer in Western untario,

Tells How Milburn's Heart and Nerve Pills Cured Her Nervous Troubles and Strengthened Her Weak System.

Milburn's Heart and Nerve Pills are an inestimable boon to anyone suffering from any disease or derangement of the heart or nerves or whose blood is thin and watery. Mrs. E. Horning, of 115 George Street, Sarnia, Ont., is one of those whose experience with this remedy is well worth con-

It is as follows :- "I am pleased to recommend Milburn's Heart and Nerve Pills to anyone suffering from nerve trouble, no matter how severe or of how long standing. "For years my nerves have been in a terribly weak condition, but Milburn's Heart and Nerve Pills, which I got at Geary's Pharmacy, have strengthened them greatly and invigorated my system. leaving me no excuse for not making known their virtues.

"I cannot refrain from recommending these pills to all sufferers as a splendid cure for nervousness and weakness."

LITTLE THINGS

Discoveries.

The rolling of cold iron was first erintendent to the incident. The mat-

A Nuremberg glass cutter accidented that the acid caused the glass to corrode and soften. He at once took had drawn raised upon a dark back-

Finiguerra, the master of early engraving, delighted in doing deeds of kindness. One day a washerwoman, as Prof. Engels expresses it, to make in washing a piece of clothing in which a needle had been carelessly left, had the misfortune to run it into her hand. The needle broke, and more than half of it was left embedded in the flesh. It gave her much pain, and as soon as she could she went to Finiguerra's studio, put down the bundle of damp clothes that she was carrying to their owner, and asked the artist to help her. After much patient, careful manipulation with his fine tools he succeeded in extracting the broken needle.

The woman thanked him, and as she lifted her damp bundle to leave the studio Finiguerro noticed that it had rested upon one of his engravings and had received an excellent impression from it. The engraving, like all others of that time, was a metal plate complete in itself, and was regarded as a single picture. The impression made upon the damp cloth suggested to the alert mind of Finiguerdefinite number of pictures from a single original. By experimenting he perfected his discovery, and eventually made it possible for all homes to have beautiful engravings, for, previous to his discovery, only the wealthy could afford them.

Adopted by

We beg to inform our customers and the public generally that we have adopted the Cash System, which means Cash or its Equivalent, and that our motto will be "Large Sales and Small Profits."

We take this opportunity of thanking our customers for past patronage, and we are convinced that the new system will merit a continuance or the same.