"Brig Tanner in distress"—was bound

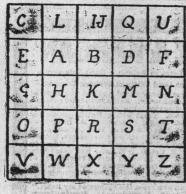
As Used in Modern Warfare, By Capt. C. L. Flick, Late of the South African Horse

The astounding success of the Japanese upon land and sea alike, is largely due to the fact that they are able to keep the movements of their army and navy secret. The secrecy is in part due to a strict and efficient censorship of newspapers and telegrams but probably the larger share is due to the cryptograms of the naval and mil-tary authorities. Neither I nor any-body else, outside Japanese official circles, can know anything definite as to the ciphers used in the secret service of the Mikado. Of course the Japanese written language is difficult enough to the ordinary person without having it turned into cipher. The ciphers with which I illustrate this article will show practically, how a war message is turn-

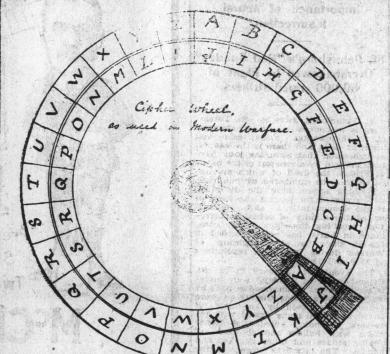
d into a cryptogram.

My first illustration is known as a My first illustration is known as a eipher wheel and is an invention of much merit; by its use messages can be coded and decoded in a very short space of time; its key word can be changed daily or hourly if necessary. The cipher consists of an outer circle, round which the letters of the alphabet are written in their usual order, and an inner circle having the letters of an inner circle having the letters of the alphabet in reversed order. The disc upon which the latter is inscribed is pivoted at its centre; an arm is fixed to this disc at any letter (chosen haphazard), in my illustration it is at A. The disc is turned by this arm—the outer circle of letters remaining the outer circle of letters remaining sta-

In the transmission of cipher mes-sages it is necessary that the sender and receiver should work with instru-



PLAYFAIR'S CYPHERS.



wheel at the first letter of the key word (on the outer ring), and take out at once for the whole message, the cipher letters on the inner ring corresponding to the true letters on the outer ring, which appear above the first letter of the key word whenever it occurs. Writt these down in their places; then move the arm of the cipher wheel to the next letter of the key word, and proceed as before. The whole message will be complete as soon as the key word has been once passed through by the arm of the cipher wheel. For example, suppose a commander-in-chief, finding one of his brigades or divisions in danger of being cut off, he sends by a galloper or telegraph, or hellograph, this message coded. The pre-arranged key word for the day or week or month, as the case may be, is "Month." The message to be sent runs, "retire at once on main body." Write the message with the key word under it as directed:

RETIREATONCEONMAINBODY MONTHMONTHMONTHMONTHMOKO "Brig Tanner in distress"—was bound from Mukilteo with a cargo of lumber for San Francisco, and when on her way down the coast she encountered heavy storms which caused her to leak. In a waterlogged condition, with her manning the pumps, the old brig was carried north toward the rocky coast of Vancouver island and on Thursday evening the Tanner was sighted off Cape Beale by Lightkeeper Paterson, who sent word to Seattle of the craft's predicament and tugs were given orders to search for the derelict. Seven men of the brig's crew came ashore near Cape Beale on Thursday evening, but ultimately returned to the vessel, presumably with the intention of working her into Barkley sound. The Tanner was owned by W. Newhall of Seattle until a short time ago. She was recently stranded at Port Angeles and changed owners after being salved. The brig is one of the few-survivors of old-time coasters, such as the old Jane M. Falkenberg, towed into Esquimalt a derelict five or six years ago. She is a small craft of 201 tons gross, 129 feet long, 29.7 feet beam and 11.7 feet deep. VKULQIOUFUKKZGGVMGASTJQ Crypta-

ments of identically the same construction. The readers of this paper will find considerable amusement and instruction in making a cipher wheel—or wheels—for home or office use. In the cipher wheel the letters of the key word, and those of the true message are taken from the outer ring, the letters of the cipher message being read on the inner ring.

Whatever the description of cryptograph used, a key word or words, which should consist of at least five letters having no letter in, it repeated, is required, and this word must be arrang-

E. S. PEROR OF CO. Limited. Across, VANCOUPLE, VILLEGRAL And P. ..

The VUKON STEAMERS.

The State were put to other than their is a controlled to the state of the

Japanese Sealer Reports to Whaler'
Captain Floating Derelict.

The San Francisco Chronicle of Wednesday says: A letter received from Captain Foley, of the whaling schooner Monterey, contains the information that an unknown schooner hailing from this port is floating bottom side up in Behring sea. Captain Foley has been informed by the skipper of a Japanese sealing vessel that the dereliet, showing a flat bottom and with only the letters "A" and "E" and the words "San Francisco" visible, had been seen by him in latitude 58 deg., 17 min. north, longitude 140 deg.

An OLD INDIAN TRADER

AND TRADER

AND

THE FLOCK SECTION ASSOCIATION.

lineage but of supposed Faglish sentiment, was among the civilians who elected to see the siege of Ladysmith to the end. From time to time it was evident to Sir George White that his plans and movement of troops were in some way known to the enemy almost as soon as they had been decided upon. Strict watch was kept upon all who had access to headquarters, but for many weeks without success. At last a keen witter warrant officer detected that the bright glances of a certain fair lady, very friendly with the whole staff, were put to other than their legitimate use. He watched and watched ed well. Upon his information the lady was arrested and sewn in her underclothing was found a list of the troops, their positions and numbers—all in cipher.

Her mode of procedure was simple.

Jeles in the Straits to engage in target practice. The Marblehead and torpedo bat destroye were at Port An. Success of Law St. Schicago, Strict watch was kept upon all who had access to headquarters, but for many weeks without success. At last a keen witter warrant officer detected that the bright glances of a certain fair lady, very friendly with the whole staff, were put to other than their legitimate use. He watched and watched well. Upon his information the lady was arrested and searched and sewn in her underclothing was found a list of the troops, their positions and numbers—all in cipher.

Her mode of procedure was simple.

Special Despatch to The Colonist.

New York, June 23.—James J. Hill interests are not alarmed at the extraordinary efforts the Canadian Pacific is making to prevent the passage of the V., W. E. railway bill in the Canadian parliament. Hill men are accusing the Canadian Pacific people of breach of faith, claiming that the latter continued to oppose the passage of pending bill without sufficient cause. The Americans are delictermined not to recede one inch from the stand they have taken in this matter. They expect strenuous opposition, but they say there is no doubt that they eventually will emerge victorious from the fight

Vancouver

Young Man Falls Under Freight Train and is Frightfully

MANUFACTURERS' RECEPTION.

Gathering Addressed by Duke Argyle—Value of Visit,

London, June 23.—Some 800 old countrymen were present at S. B. Balton's reception to the Canadian Manufacturers' Association at Totteridge, including the Earl and Countess of Minto, Dr. Parkin, Lord Dundonald. The Duke of Argyle, in addressing the company, referred to the great bounds Canada had made in manufacturing and fiscal matters. He hoped the Canadian manufacturers, in all their goings about, would make it clear to the British people that they do not want to subvert the principles but make a small experimental change which, it not answering, could be taken back.

Commenting on the Canadian Manufacturers' Association's visit, the Telegraph says the visit will be valued by the Dominion as yet another proof that the bonds of union are being more tightly drawn every year; that the future deveingment of British trade on both sides of the Atlantic, from proving a source of bitterness and jealousy will be most cordially welcomed in the mother country as conducing to the strength and prosperity of the empire as a whole. London, June 23.-Some 800 old coun-

TIMBER I NOTICE is hereby given days from date I interested the Command Works for a special and works for a special carry away timber friand, situate in Bulk Coast District, Province bia, to wit:

Commencing at a po Corner," about one-half from Lake Showa, a cighty (80) chains, cross thence north cighty thence north eighty east eighty (80) chain

May 11, 1905. NOTICE is hereby give days from date I inte Honorable Chief Command Works for a special carry away timber friend, situate in Buiki Coast District, Province bia, to wit:

West half (W. 36) to (15), and west half (V Twenty-two (22), Townsi Five (5), containing six (640) acres, more or less B. J. M.

May 13, 1906. days after date I inte Chief Commissioner of for permission to cut ber from the follow situated three miles sout Cariboo District, Britis Starting from this post N. E.," and thence as eighty (80) chains, the west eighty (80) chains, cal north eighty (80) ch nomical east eighty (80) commencement, and cont commencement, and cont and forty (640) acres. MARK HYM By his Witness: J. A. Hickey. Dated May 20, 1905.

NOTICE is hereby give days after date I inter Chief Commissioner of Chief Commissioner of for permission to cut an ber from the following situated on the south a Lake, Cariboo District, viz.: Starting from the "C B. D., N. W.," and the nomical eighty (80) che astronomical eighty (80) north astronomical eighty (80) north astronomical to point of commencements in hundred and forty (84). By his a Witness: J. A. Hickey Witness: J. A. Hick Dated May 19, 1905.

NOTICE is hereby giver days from date I inten Honorable Chief Commi and Works for a special carry away timber from described land, situate at tween Mosquito and Stra the Bulkley River, in the Province of British Colum Commencing at a post Commencing at a post (5) chains east of trail Bulkley River, marked thence north eighty (80) chaileighty (80) chaileighty (80) chaileighty (80) chaileighty (80) chaileighty (80) chains to place of begin six hundred and forty (64) less. E. J. MAT. By L May 3, 1905.

NOTICE is hereby given days after date I inten Chief Commissioner of I for a special licence to cut timber from the following situated on the right River, Carlboo District, I about twenty miles above age, viz.: Starting from "A. B. S., S. W.," and the north eighty (80) chains, teal east eighty (80) chain inomical south about eight right bank of Fraser Rifollowing westerly said beginning. A. L. SMITH,
By his As
Dated May 21, 1905.

NOTICE is hereby given days from date I intend Honerable Chief Commis and Works for a special licarry away timber from land, situate in Bulkley Coast District, Province o bia, to wit: Commencing at a post Corner," set about one (I Lake Showa, thence we River forty (40) chains, ti hundred and sixty (160) ch forty (40) chains, thence so

May 11, 1905. May 11, 1905.

NOTICE is hereby given davs from date I intend Honorable Chief Commissi and Works for a special lid carry away timber from described land, situate River, in the Coast Distri British Columbia, to wit: Commencing at a post Corner," on the east side and located in a southerly two and one-quarter (21/4) mouth of said river, thence chains, thence north one sixty (160) chains, thence chains, thence south one sixty (160) chains to place containing six hundred a acres, more or less.

E. J. MATP By L. (May 10, 1905.

May 10. 1905.

May 10. 1905.

NOTICE is hereby given days after date I intend Chief Commissioner of La for permission to cut and cher from the following distincted on the southeast Lake, Carlboo District. Br viz.: Starting from this "E. J. M. N. E." thence as thirty (30) chains, thence south eighty (80) chains, the cal west eighty (80) chains, the cal west eighty (80) chains, the cal west eighty (80) chains nomical north eighty (80 thence astronomical east fit to point of commencement. six hundred and forty (640).

E. J. MATHEW Witness: J. A. Hickey.
Dated May 15, 1905.

NOTICE is hereby given to

Dated May 15, 1905.

NOTICE is hereby given to days after date I intend to Chief Commissioner of Lan for permission to cut and cate from the following desituated on the south sho Lake, Cariboo District, Briviz.: Starting from this "H. J. C. N. E.," thence south eighty (80) chains, the cal west eighty (80) chains, the cal west eighty (80) astronomical east eighty noming of commencement, as ix hundred and forty (840) and HARRY J. CROY By his Agen Witness: J. A. Hickey.

Dated May 19, 1905.

NOTICE is hereby given the days after date I intend to the Commissioner of Lan for permission to cut and ca ber from the following de sintated on the south shore Lake, Carlboo District, Britativiz.: Starting from this "W. M. Y. N. W." thence south eighty (80) chains, the cal east eighty (80) chains, the cal east eighty (80) chains, on mical north eighty (80) (astronomical west eighty (80) doint of commencement, and hundred and forty (840) acre WM. M. TATES, By his Agen Witness: J. A. Hickey, Dated May 19, 1905.

NOTICE is hereby given the days after date I intend to Chief Commissioner of Land for permission to cut and can ber from the following des situated two (2) miles sout Lake, Carlboo District, Britiviz.: Starting from this "A. L. S., N. E., and thence nomical eighty (80) chains, astronomical eighty (80) chains, astronomical eighty (80) chains, astronomical eighty thence east astronomical eighty thence east astronomical eighty thence east astronomical eighty thence as astronomical eighty thence sat astronomical eighty thence sat astronomical eighty thence as astronomical eighty thence as astronomical eighty thence as as as a successful eighty thence as a stronomical eighty thence as a stronomical eighty (80) control eighty (80) as a stronomical eighty (80) as