

THE DISPATCH.

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HOW TO COLOR STEEL.

Method of Making Permanent Black Free From Rust.

To insure success the steel articles must previously be polished and freed from grease. When this is done prepare a bath of 1,000 parts of hot water and dissolve the following chemicals in it: Five parts of caustic potash, ten parts of cyanide, five parts of potassium chlorate, one-fifth part of white arsenic and twenty parts of Schlippe's salt (sulph-antimoniate of sodium).

Use the bath with zinc contact. If it is of moderate temperature the color will range from pearl gray to gray black. By adding about twenty parts of copper hemisulphide it will become deep black. It is advisable previously to mat the article with the steel matting brush.

The second process is to be applied cold and without any contact. Coat the articles by means of a brush with a solution consisting of two parts of hydrochloric acid, two parts of water and one part of tin salt.

After about fifteen minutes coat with a copper solution of one part of blue vitriol in sixteen parts of water, with the addition of sufficient aqueous ammonia to dissolve the blue deposit which has been formed to a clear blue fluid. When the article is dry after this process wash it well with water and place it for a few minutes in a diluted solution of potassium sulphide. Then remove it, rinse it well with water and dry it. A dead gray black color will be obtained by this process. *Journal der Goldschmiedekunst.*

Talking Lighthouses.

Wonderful possibilities are claimed for a Swedish invention called the photophone, by means of which it is said that sound waves can be registered on a sensitized plate, the negative is developed in the ordinary way and the sound curves transferred to many plates, from which the sound is reproduced as by the gramophone. The photophone records can be reproduced ad infinitum, and if the original music or song should not be strong enough to fill a large concert hall the sound can be increased as desired. On account of the immense volume of the sound the inventor prophesies that the photophone will replace fog sirens in lighthouses. Instead of the inarticulate howl which the sirens send out in the night the photophonic fog-horn will call out the name of the lighthouse for miles over the ocean.

The Wearing of Hats.

More or less of a modern habit is the constant wearing of hats. Even as late as 1750 Horace Walpole mentions as a matter of course that he never wears a hat. "Remember," he says, writing to a friend notoriously careless about his dress, who was expected home from Holland, "everybody that comes from abroad is supposed to come from France, and whatever they wear at their first reappearance immediately grows the fashion. Now if, as is very likely, you should through inadvertence change hats with the master of a Dutch smack in a week's time we shall all be equipped like Dutch skippers. You see, I speak very disinterestedly, for, as I never wear a hat myself, it is indifferent to me what sort of a hat I don't wear."

For Sale

FOR SALE.—Regular English 1 year worth Pigs, either sex from import. Prize Winning Stock.

JAMES W. TURNEY.

Woodstock, N. E.

Wanted

WANTED.—by a rancher in Alberta, a housekeeper thirty or forty years of age. Family consists of one boy and one girl 12 and 13 years old. Wish a woman of good christian character.

Address

G. S. C.

Hanna, Alt. Can

To Rent

To RENT.—From May 1st, the upper story of the Vendome, on Queen street, also the cottage at Maple Shade Farm.

Apply to

Mrs. E. W. Williams

Maple Shade Farm

River Road



Drink

SEAL BRAND COFFEE

not because it is Made in Canada, but because it is the equal of coffee made in any country.

Quality First!



Huge Munition Stores, Many Aeros, on Baltic

The White Star liner Baltic, which sailed recently from New York for Liverpool, carried 47 aeroplanes and 150 cases of aeroplane parts. Most of the flying machines were consigned to Great Britain, but many were for France.

The shipment of so many machines was taken as an indication that the allies are planning an extensive aerial campaign for the near future.

Following is the list of war stores on the Baltic:

309 cases of fuses.
129 cases of steel forgings.
948 pieces of steel.
5,900 cases of cartridges.
370 cases of empty projectiles.
4 cases of revolvers.
10 cases of rifles.
154 automobiles.
47 aeroplanes.
2 tractors.
6,009 packages of steel.
9,712 steel billets.
912 bales of wire.
228 coils of wire rope.
500 reams of wire.
238 coils of rods.
609 coils of copper wire.
690 plates of spelter.
6,005 cathodes of copper.
6,386 ingots of copper.
150 cases of aeroplane parts.
534 cases of brass rods.
311 passengers sailed also.

NOTICE.

Will the people please take notice that I am prepared to FRAME or ENLARGE in both FLAT and OVAL style. Have the best stock of MOULDINGS, MIRRORS, HYMN BOOKS, BIBLES, TESTAMENTS and FRUIT PICTURES that I ever had. Also a nice stock of CHRISTMAS MOTTOES. Some new styles.

Henry J. Seelye

Somerville

Car. Co. N. B.

Two Problems

(Philadelphia Public Ledger.)

A British workman has two facts thrown in his face each day: that his wages buy less than before the war, and that the work he does is producing greater profits for his employer in which he has no share. England can prevent strikes for the remainder of the war either by scouring the workmen into a super-angelic state of mind, in which they will not care what becomes of them and their families because of their devotion to the men in the trenches; or by prodding the factory owners into pathos with a portion of the wealth that the workers are producing.

Red Cross Work.

The Red Cross Society wish to acknowledge and thank the following ladies:

Mrs S Boyer	1 pair socks
Miss Minnie Good	1 " "
Mrs Walter Stone	1 " "
True	1 " "
Michael McManus	2 " "
John Kerrigan	1 " "
Allan Straight	2 " "
J K Flemming	3 " "
Nancy King	2 " "
George Gabel	1 " "
H W Bourne	1 " "
James Sutton	1 " "
Arbuckle	2 " "
Amelia Allan	3 " "
H A Stokes	1 " "
Enoch Campbell	1 " "
Fred Mooers	1 pr socks, testament
Fred Boyd	5 pair socks
Thos Neales	1 " "
Harry Noble	6 " "
Chas Perkins	1 " "
T Baker	1 " "
H M Martell	1 " "
Miss Jarric Jacques	2 " "
Mrs Harry Dunbar	1 " "
Nancy King	1 " "
Jarvis	2 " "
Allen Smith	2 " "
G B Manzer	1 " "

The following are from Upper Woodstock:

Mrs James Watson	1 pair socks
Dunlap	1 " "
Gans	1 " "
Wallace	2 " "
Miss Minnie Phillips	1 " "
Mrs Morey	1 " "
Gans	2 " "
Estey	5 " "
Dow	1 " "
Golding	2 " "
Warner	1 " "
G T Phillips, Jacksontown	1 pair socks.

FREDERICTON BUSINESS COLLEGE

will open its

FALL TERM

— on —

WEDNESDAY, SEPTEMBER FIRST

Now is the time to write for full particulars. Address,

W. J. OSBORN 3, Principal.

FREDERICTON, N. B.

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MONTREAL - TORONTO

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Electric lighted Sleepers. Compartment Cars.

W. B. HOWARD D. P. A. C. P. R. S. I. C. I. I.

Berlin police headquarters has issued a list of foreign words, hitherto in common use in Germany, which it is no longer permissible to employ in police reports or letters. This list includes: Bonbonniere, cafe, confection, expedition, gangs, vestibule, chic, commission, elegant, export, import, institute, portfolio, equipage, manufacture, medicine, product, restaurant and jeweller.

Wars has led to a noticeable increase in social comradeship among English women and has broken down the former prejudice against what are popularly and contemptuously known as "hen parties." Numerous clubs have sprung up, such as the Lady Workers' club, for lonely women earning moderate salaries. The club keeps open from 4 to 8 p. m. on Saturdays and Sundays. Its object is to give the cultivation of friendship without bridge or any kind of propaganda.

Printed Butter Wrappers

FOR SALE

AT

"The Dispatch Office"

ST. PAUL'S CHURCH

VACATION ARRANGEMENTS

SUNDAY, JULY 25th, Church Closed

SUNDAY AUGUST 1st. Rev. J. F. MacKay, B. A.

SUNDAY, AUGUST 8th, Evening Service only, Preacher uncertain.

SUNDAY, AUGUST 15th, Rev. W. J. Fowler, B. D.

The SUNDAY SCHOOL as usual each Sabbath at 12.15. The minister hopes to return August 19th.

Signed, FRANK BAIRD, Minister.

J. R. BROWN, Session Clerk.

British Finances Sound, Says Banker

London, July 21.—At the meeting of the Union of London & Smith's Bank today, Sir Felix Schuster eulogizes the manner in which Britain's financial organization has stood the test of war.

Because there has never been any pressure on money he regards commercial conditions as highly satisfactory. When considering the war, and that approximately £1,000,000,000 (\$5,000,000,000) of loans has been raised.

Thirteen of the sixteen clearing banks held, on June 30, deposits of \$3,880,000,000; cash amounting to \$885,000,000; consequently the public and the banks are well prepared for the issue of the gigantic loan now successfully placed.

Sir Felix proposed a supplementary consols conversion scheme under which ten shillings additional annual income would accumulate at compound interest. If the Government adopts the suggestion, consols holders might convert in to an equal amount of new stock bearing the same interest as hitherto, namely 2 1/2 per cent., but redeemable at par in 1951.

It is definitely announced that dealings in the new loan will commence on July 29.

To Withdraw From The Battlefields

Washington, July 26.—The decision of the American Red Cross to withdraw on October 1 its doctors and nurses from the European battlefields, was being discussed today by officers of the society, who expressed regret at the necessity for the action. Lack of funds is given as the reason.

Of the sixteen units, all will return to the United States with the possible exception of two in Belgium, where there is the greatest need. The Serbian sanitary commission and other work supported by special contribution will be continued as long as funds are available.

Clean Sweep From Russian War Office

London, July 27.—There has been a clean sweep from the Russian War Office of the men responsible for the shortage in ammunition, according to the correspondent at Petrograd of the Daily Mail. The correspondent reports that the existence in the Russian capital of a more cheerful feeling at the courageous resistance which the Russian armies are making to the Austro-German advance. He adds that the

frank admission by the authorities is now made for the first time, publicly, that no large Russian counter offensive is possible until the mobilization of industry bears fruit in a largely increased supply of ammunition.

"Now that the war minister, the assistant war minister and others responsible for the shortage, have been dismissed," the correspondent adds, "the nation feels confident that the terrible miscalculations will not be repeated and that the country is putting its whole energy into the task of repairing them."

General Soukhomlinoff, the Russian minister of war, resigned on June 26, and Emperor Nicholas designated General Polivanoff to fill the office. The reason for the resignation of Gen. Soukhomlinoff was not stated.

Obstacles Met at Dardanelles

London, July 27.—A majority of the casualties of the Allies occur in the holding of trenches after they have been won, says the British press representative in the Dardanelles in describing the operations against the Turks up to July 14. His despatch shows that the Turks continue to oppose obstinately the Allies' advance and that slow progress is only being made after desperate struggles and much hand-to-hand fighting, and largely by the aid of tremendous bombardments with high explosive shells. From July 12 to 14, the Allies gained considerable ground according to the narrative.

"Anyone who has not seen the ground," says the writer, "can have no conception of the obstacles our heroic infantry must face in gaining even a few yards of fresh ground. The Turks now withdraw their men down communication trenches during a bombardment, thus our infantry are able to occupy two or three lines without small losses.

Parties of men get too far forward and frequently are lost for hours, while it is not uncommon for our men to gain possession of an advanced trench while the Turks are still holding sections of those behind it.

"Thus after each advance it takes a long time to straighten out and consolidate a captured position. It is bludgeon work—brutal and unattractive, and giving little or no scope for skill in tactics or strategy."

RED CROSS WORK

Bristol Red Cross Society,

14 pair socks

Mrs. Allen Smith 2 " "

Mrs. T. M. Jones 2 " "

2 pkgs. cigarettes.

Alex. Martin 6 pkgs cigarettes

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for all kinds of Job Printing