

THE ADVERTISER
H. G. HARRIS,
Editor and Publisher.

Fourth Spray

(Written by G. E. Sanders and W. H. Brittain at the request of the United Fruit Companies.)

The season of 1917 has proved in many respects similar to that of 1913 with abundant development of apple scab before the blossoms. Whether this will result in the elimination of the crop in the orchards not receiving the pre-blossom spray is still a matter of doubt. In any event the orchards that did not receive the pre-blossom spray or any spray will suffer severe leaf injury and will bear very inferior if any fruit.

With the advent of the new spray gun, which has resulted in halving the cost of application of spray as well as wetting the trees more thoroughly than any spraying device heretofore invented, still more dilute solutions must be used than with the old type of mist nozzles.

For the last summer spray we must have a mixture that will remain effective over a longer period than for any previous year, for the blossom of the coming year depends more on the trees retaining a healthy foliage than in any other single factor.

FOURTH SPRAY

Time—Ten days to two weeks after the third spray.

Material—First choice; Bordeaux 7-7-100, adding paste lead arsenate 5 lbs to 100 gals or powdered arsenate of lime 2 lbs to 100 gals.

Second choice—Lime sulphur 1,000 sp. gr. (1-60) adding 1 1/4 lbs of lime to 100 gals water.

APPLICATION—Use 200 lbs pressure and a calyx nozzle or a spray gun.

PESTS DESTROYED—Apple scab, Pit rot, Fruit worms, Codling moth, Fall webworm, Red humped caterpillar, Yellow necked caterpillar, fall feeding Brown-tail moth.

Ordinary Bordeaux mixture, somewhat weaker than ordinarily used, is recommended for the last summer spray on account of its better sticking qualities, as well as on account of the fact that the ordinary Bordeaux does not cause dropping of the young apples when used at this time. We have found that 7 pounds of copper sulphate and 7 pounds of lime (stone) to 100 gals of water is practically harmless as far as the foliage and fruit are concerned, when used two weeks after the blossoms fall, or later. The use of Bordeaux immediately after the blossoms fall will result in severe russetting, while the use of Bordeaux just before the blossoms will result also in slight russetting of the fruit.

We find that almost any of the common poisons can be used with a greater degree of safety with Bordeaux mixture than alone. There seems to be no objection in using Paris green on account of its high cost at the present time and danger from injury. Arsenate of lime, 2 lbs to 100 gals, makes a very satisfactory poison with Bordeaux mixture, but the best poison for use on the apple is probably paste arsenate of lead. We tested out various poisons many times with Bordeaux and, with only one exception, the paste arsenate of lead remained longer in suspension than any other poison used with Bordeaux.

In regard to lime, the fresher the stone lime the better are the results. For those not inclined to go to the trouble of slacking lime, the commercial hydrated lime in a convenient and satisfactory substitute. It is sold in powdered form and can be stored for weeks in the air without deterioration. For the greatest speed and ease in making Bordeaux mixture we would recommend the following formula.

In a cask or tank dissolve 1 lb copper sulphate to each gallon of water the tank contains. This is the stock solution and it may be made up several days in advance of spraying. Seven gallons of stock solution should be placed in the spray tank for each 100 gals capacity. The tank should then be filled up and 1 lb or more of hydrated lime added for each gallon of stock copper sulphate solution contained the solution being rapidly agitated as the lime is being added. All Bordeaux should be tested with litmus paper before being applied. If the paper turns blue on being dipped into the solution the mixture is right, if not add more lime until it does turn blue. Add the poison added and the spray is now ready to go on the trees.

We anticipate a slight amount of russetting from this spray. The longer the spray can be deferred the less russet-

ing will result. After the down has fallen from the young apples there is practically no danger from russetting. In case weather conditions are bad or one is anxious to avoid the slightest trace of russetting lime and sulphur may be applied at about one gallon of concentrate to seventy-five gallons of water, following this in a week or ten days with the Bordeaux according to the calendar.

For those inclined to experiment, one or two tanks of the Thomson-Buchanan Bordeaux, consisting of 4 lbs of bluestone and 20 lbs of lime to 100 gallons of water seems promising. Recent investigations in France go to prove that a great excess of lime makes the full amount of bluestone unnecessary and makes a Bordeaux that is infinitely more lasting as well as safer on foliage and fruit.

The Thomson-Buchanan Bordeaux used throughout the season of 1916 resulted in the best crop of fruit in Nova Scotia during that season, what it will do in an adverse season remains to be seen.

SURFACE SUCCESS BY THE HUNS AGAINST FRENCH COUNTS FOR NOTHING IN THE LONG RUN

(Via Reuter's Ottawa agency)

LONDON, July 2—Telegraphing to day from French headquarters, Reuter's correspondent says that the sudden return of the enemy to the offensive on the Chemin des Dames and on the left bank of the Meuse is probably to be explained by the German government's need of victories or rather local successes which can be magnified into victories to offset against the substantial gains of the Anglo-French offensives.

At the moment when the inspiring press of the fatherland in endeavoring to explain a way the latest British successes in Flanders and knowing that more must come requiring further explanation, and also knowing the fact that one vanguard of the American army is already on French soil spreading among the German army and the people, the high command feels that something must be done to counter balance the effect of all this.

In any event there is not yet any indication that a more serious intention lies behind the sudden resumption of activity.

Both in the Mort Homme and the Gerny sector the enemy in the event of success stands to win important local advantages, notably in the latter, where he would regain at least a portion of the observatory line on the Chemin des Dames crest to retain which he fought so hard.

By operations of yesterday and today the enemy regained a very insecure footing on the crest about a mile west of the Dragon's den, which he was expelled last Monday.

The small gains the enemy hitherto secured were obtained by means which either side can employ at will and which of course result in temporary advantage to the side which secures them. It is a case of heavy concentration of artillery against a narrow front, followed by an infantry attack. The value of such acquisitions lies solely in the power to retain them and the enemy has not yet been shown to possess this power. Hitherto he has been merely able to annex narrow belts of front without depth.

If he is counting in the slightest degree on the decline of fighting spirit in the French army the exploit these gains he is courting without his host.

KING AND QUEEN OF GREECE AT ST. MORITZ

ST. MORITZ, July 1—Ex-King Constantine of Greece and his family and suite arrived here today. Dowager Queen Sophia appeared to be in poor health. The party was received at the station by the local authorities and escorted to a hotel where rooms had been reserved.

THE "KILTIES" CAMPAIGN IN BOSTON

BOSTON, July 2—The "Kilties," members of the 28th New Brunswick regiment, who have been conducting a successful recruiting campaign here among British subjects, departed last night and today, Lieutenant Colonel Legrant Reed, formerly in command of the 170th Canadian Overseas Battalion, today assumed charge of recruiting for the Canadian and British forces.

SPEAKING MILITARY

Mother—"I saw your father take you to the woodshed this morning, Willie. What was that for? Willie—He took me to meet a soldier friend of his." "Who was he?" "Corporal Punishment."

THE AMERICAN FLAG FLOATS SAFELY ACROSS THE ATLANTIC

This is good reason for our American cousins to be thrilled with pleasure at the arrival of their army safely in Europe. Their first transports have safely crossed the 3000 miles of ocean and soon their army will be assigned a part of the line on the Western front taking their full share of punishment and death from German guns, mortars and rifles.

It is not known whether the United States troops were conveyed by either British or French ships but it is more than likely that their own cruisers performed the task and hereafter most of the work of patrolling the waterway across the Atlantic will be given to Uncle Sam's fleet to look after.

This fine accomplishment has once more strikingly emphasized the failure of the U-boats as decisive factors in the war. Millions of men have been taken across the channel from England to France since the beginning of the war, and hundreds of thousands have been carried from Canada; and now comes the announcement of the safe arrival in Europe of a large force of United States soldiers without a casualty as a result of Germany piracy.

This could hardly have been done if the U-boats were all the German admiralty declares them to be. Obviously they do not care to take great chances with craft more heavily armed.

In due time thousands of other soldiers from the United States will be conveyed across the Atlantic, and there is at least good reason to believe that none will be lost through submarine activity. Although the transports must remain many days at sea in waters where adventurous submarines may well be lurking, the naval guard is likely to prevent loss of life and damage to ships. The success of the initial effort in this connection will give encouragement to all Americans who are to follow their countrymen now our European soil. It will dispel the fears of those who doubted the power of the United States navy to take care of its own. And it will give inspiration to all classes at home in their determined efforts in behalf of world freedom and civilization.

AMHERST WOOLLEN MILLS SECURE BIG ORDER

The Amherst Woollen Mills have closed a contract for a large contract for a large number of army blankets for the American government and are now starting the manufacture of same. Orders for blankets have also been placed with several of the other large manufacturing establishments throughout Canada. The Americans are putting forth every effort to speedily equip their army.

ANOTHER 25 MILLIONS FROM UNCLE SAM

WASHINGTON, July 2—Twenty-five million dollars was placed to the credit of Great Britain today by Secretary McAdoo, bringing the loans to that nation up to \$585,000,000, and the total loaned all the allies to \$1,948,000.

WEDDING BELLS

The home of Mr. and Mrs. W. A. Strong, Somerset, was the scene of a most pleasing and happy event on Wednesday, June 27th, 1917, at 1.30 p.m. when their only daughter Lila Maude was united in marriage to Mr. Avar Murray Bishop, only son of Mr. and Mrs. Trueman Bishop of Kentville.

In honor of the occasion the parlor had been transformed by the girl friends of the bride into a bower of beauty and the bridal party stood beneath an arch formed of flowers in the centre of which was a handsome wreath tied with a true lovers knot.

Rev. W. Robbins, pastor of the Berwick Church, of which the bride is a member, officiated assisted by Rev. G. Smith also of Berwick the double ring service being used. Mrs. Blake Clarke of Lakeville rendered the bridal music in a most pleasing manner.

Messrs. F. W. Webster and Blake Clarke acted as ushers.

The bride who was given away by her father looked very charming in her wedding gown of white liberty satin with pearl trappings and chantly lace flounce. She wore the bridal veil most becomingly arranged with a pearl banding and carried a shower bouquet of white carnations and roses. She was attended by her little cousin Frances Olivia Webster of Cambridge who looked very winsome in a Kate Greenway frock of blue satin and carried the rings on a silver salver.

Eight of the girl friends of the bride wearing white silk gowns formed a ribbon lined path to the arch. They were Misses Lillian Halsey, Viola Bishop, Hilda Reid, Kate Killam, Grace Blenkhorn, Cassie Knowlton, Lavinia Webster and Hilda Bishop. After the ceremony the wedding cake was cut by the bride and delicious refreshments served to the many guests.

Many valuable presents were received testifying to the popularity of the bride and groom, among them being a beautiful silver casserole from the D. A. R. Accounting Office where the groom is employed. A sum of money in gold from the choir of the Cambridge Baptist Church, of which the bride is a member, piano from the parents of the groom, cheque and furniture from the grandparents of the bride, gift of gold from grandmother of groom, linen, china and two valuable oil-paintings from the bride's parents, also cut glass, silver, embroidered linen and many other beautiful gifts to the bride was a necklace to the little ring bearer a gold locket and chain with monogram and to the pianist gold coin.

The happy couple left on the afternoon express for a honeymoon trip to the Upper Provinces, visiting Niagara Falls, Toronto and other Canadian cities. Mrs. Bishop went away in a blue tailored suit with hat to match. On their return they will reside at Kentville. The bride is a graduate in music of Acadia Seminary and has studied at the New England Conservatory of Music. She will be much missed in musical circles.

VIOLENT FIGHTING CONTINUES ON THE FRENCH FRONT

PARIS, July 2—The Germans made repeated attacks last night on the Aisne, on both sides of the Allies-Paisy road. The most violent fighting continued throughout the night. Today's official announcement says the Germans were thrown back each time and finally abandoned their effort this morning. The French also repulsed German attacks on the Verdun front, between Hill 304 and Avocourt Wood. The statement follows:

"After a renewed bombardment at about 6.30 yesterday evening began a series of violent attacks on the trenches we had recaptured on both sides of the Ailles-Paisy road. Very severe fighting continued throughout the night resulting in a complete check of the enemy. We maintained all our positions.

"Two attacks on small French posts further west, were repulsed with ease. "On the left bank of the Meuse, (Verdun front) the artillery fighting became very violent toward the middle of the night in the sector between Hill 304 and Avocourt wood.

"At about 2.30 o'clock this morning the Germans attacked on a front of 500 metres at the southeast corner of the wood. Their vain assaults were broken up by our fire and the enemy, unable to approach our lines did not renew the effort.

"In a raid on German lines in Champagne we blew up a blockhouse of the enemy. There is nothing to report from the remainder of the front."

Closing Notice

We beg to advise the general public that our place of business will be closed every Wednesday afternoon during the summer months. We will be open every Saturday evening.

Spray Gun

We have the NUSYSTEM SPRAY GUN. you should have one. Call and see it.

Flour and Feed

Our stock of Flour and Feed is as usual. (Prices to suit). We have just unloaded another car of FEED OATS.

Frost & Wood Implements

We are agents for the Frost and Wood Implements. When in need of Implements call and inquire about the Frost and Wood.

The Kentville Fruit Co., Limited

BARGAIN SALE

The well known "Cochran" dwelling Main St., West, the Benjamin property near Kentville and Furnished Bungalow at Kingsport. Also many valuable Farms.

STRONG'S

Real Estate, Insurance & Collection AGENCY Wickwire Building Kentville, N.S. June 15th.

Captain Aubrey

Standard Bred STALLION owned by Nova Scotia Agricultural College

The Standard Bred Stallion Captain Aubrey—1274—48050—2.07 1-4, the great son of Peter the Great 2.07 1-4 Will stand for Service at the following places on the dates specified:

Arrive at New Glasgow, July 23; leave there for Truro, July 30th; arrive in Kentville on Aug. 6th, leave there for Truro, Aug. 13th; arrive in New Glasgow, Aug. 17th; leave there for Truro, August 27th; arrive in Kentville, Aug. 31st; leave there for Halifax Exhibition about Sept. 10th., and leave Halifax for Sydney about Sept. 20th.

When in New Glasgow he will be at the stable of Dr. J. Heywood Fraser, V. S., and when at Kentville he will be at the stable of the Experimental Farm.

The above schedule will be followed unless absolutely blocked by accidents, or train service. All mares will be bred at owner's risk. \$25.00 cash at time of service with return privilege if mare does not prove in foal.

For full particulars and card, giving breeding of Captain Aubrey, apply to Agricultural College Farm, Truro, per JOHN M. TRUEMAN, 3a Superintendent, Truro, N. S.

TO LET—large furnished room, on ground floor, suitable for two. Chas. APPLY TO BOX 187.

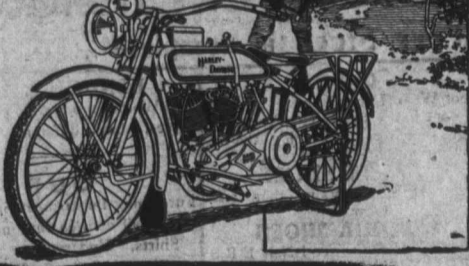
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be your pal. Then you can get out under the open sky where the air is filled with the scent of forest, field and stream; with only the sounds of snapping twigs, whispering leaves and rushing streams to break the silence—that is motorcycling. That is what it will mean to you to own a Harley-Davidson, for more than 15 years the "Master Motorcycle" and this year better than ever. Greater power, more speed, beautiful military olive drab finish—and perfect in design.

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Ask for Minard's

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