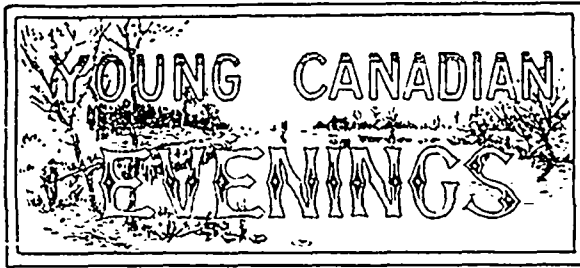


or canned provisions that are hermetically sealed are packed in tins made of tin-plate or sheet-iron superficially alloyed with tin. A flux of powdered resin, or a much more deleterious flux composed of chloride of zinc, containing free manganic acid, is applied to the tin surface to be soldered, and the unfortunate and dangerous practice is to apply this on the inside. The use of an acid flux for inside soldering is alleged to be a source of danger to health, while the resin flux communicates its taste to the contents of the can. In France and Germany all tins containing articles of food are soldered on the outside, and attempts have been made wholly to abolish inside soldering in the United States, but they have not yet been entirely successful.

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As a rule man's a fool;  
When it's hot he wants it cool,  
When it's cool he wants it hot -  
Always wanting what it's not.



### YOUNG CANADIAN TANGLES.

Tangle Prize for September, "IDUNA," a book of beautiful stories. Competition commences Tangle No. 42 in this number, and closes October 14th, with answer to Tangle No. 57, the last given for September. Competitions must be sent in weekly, and must be mailed before the answers appear.

ED. TANGLES.

## ANSWER TO TANGLE No. 49. HIDDEN PROVERB.

All is well that ends well.

## ANSWER TO TANGLE No. 50.—METAGRAM.

1. Pin. 2. Din. 3. Tin. 4. Bin. 5. Win. 6. Sin.

## ANSWER TO TANGLE No. 51.—BURIED NAMES OF PLACES.

1. Cook. 2. Monaco. 3. Ascot.

## TANGLE No. 55.—MISSING LETTER PUZZLE.

When the missing letters are supplied, the whole will form a well-known verse from a poem by Longfellow:—

L y s f r a m n l r m n u  
W o n a e u l v s u l m.  
A d o a t n, l a e o i d s  
F o p i l o t e a d o t m.

## TANGLE No. 56.—CHARADE.

My first is foolish. My second is a vowel.  
My third is artificial light. My fourth is a vehicle.  
My whole is an island in the Indian Ocean.

## TANGLE No. 57 —HIGGLEDY PIGGLEDY PROVERBS.

1. a. b. ccc. f. k. ll. oooo. p. r. u. y.  
2. a. cc. eccc. f. g. hh. i. ll. nn. ooo. pp. r. ss. ttt. u. x. y.  
3. aa. eoc ddd. occc. f. iiii. l. mm. nn. oo. z. ttt. u. w.  
4. aaa. dd. ee. f. iii. mm. nnn. oo. r. ttt. w.  
5. cc. dd. ecccc. f. g. iii. ooooo. p. r. ttt. u. v. y. x.

Answers in No. 33.



It is always a genuine pleasure for me to hear from my young friends on any point on which they have anything to ask.—ED. POST BAG.

HARRY.—I am sorry to hear you are becoming discouraged with your singing. No matter how tiresome the practice may be, the hours spent are valuably employed. Let me tell you a story which will encourage you. Papor., an illustrious master of the Neapolitan school, in teaching a pupil for whom he had a particular friendship, kept him six years practising the diatonic and chromatic scales, the intervals of third, fourth, fifth, etc.; together with turns, shakes, appoggiaturas, and passages of vocalization of different kinds. All these lessons were contained on a single sheet of ruled paper. In the sixth year, but not till then, some lessons in articulation, pronunciation, and declamation were given. At the end of this year, Papor. said to his pupil, who thought he was still in the elements of singing—"Go, my son; you have nothing more to learn; you are the first singer of Italy, and of the world." This singer was Caffarelli, the most celebrated vocalist of the eighteenth century.

CHRISTINE B.—"Femmes Savantes" signifies literally "Learned Women," but that is not sufficient to convey the sense, which is more nearly rendered by our English word, Blue stockings. Both names were originally an honour, but, through excess, became terms of derision.

KATE N.—Gelatine and isinglass are made from a kind of sturgeon.

HELEN NORMAN.—Yes, there is a Society in London for the Protection of Birds, of which Princess Christian is Patroness. This Selborne Society has been in existence for two years, and the rule is that members shall refrain from wearing the feathers of any bird not killed for the purpose of food, the ostrich excepted.

MARY NIM.—How to stiffen lace. Take as much fine starch as you think you will require. Divide it into two portions, and dissolve both in cold water. Boil the one portion, and when it has so far cooled as to have ceased to steam, stir in the cold starch, and dilute the whole to the consistency of thick cream. Dip the lace in the mixture, and squeeze it out gently without wringing it. Then lay it flat in the left hand and beat it well with the right, so as to work the starch well in; repeat the process twice, then roll the lace in fine linen, and leave it there until you are ready to iron, or pin it out. If it be machine made, iron it; but, if it be real lace, pin it out.

PIGEON FANCIEE.—A Homing Pigeon is a bird which, on being thrown at a distance from its home, returns at once direct thereto. This requires long and careful training. The "fancy" is a most interesting one, and one which has not been made use of as it might. There is a great deal that one may get out of pigeons in this way.

SAM BURTON.—Ticket-of-leave men are convicts who have been given their freedom before their term of imprisonment has expired on account of good behaviour. They are not discharged, but are obliged to report on a certain day every month to the authorities until the term to which they were originally sentenced has expired, when they are given a full discharge. Failing to report on the day specified or for any act of disorderly conduct on their part, they are sent again to prison. It is said that in Australia, Van Diemen's Land, and other British possessions, millionaire convicts out on ticket-of-leave can be seen riding to the jail in their own carriages every month to report. They are life prisoners, sentenced many years ago, and although they have accumulated wealth, and live law abiding citizens, they cannot leave the country. The ticket-of-leave method is not practiced in America, although good behaviour is rewarded by a reduction from the original sentence.

HOMI PET.—When the canaries become addicted to the vice of breaking the eggs, they should be bountifully fed with egg and bread, which should be constantly kept within their reach. Should they still persist, the eggs can be removed as fast as laid, and their places supplied with ones whittled from chalk. When the hen ceases to lay, then return the real ones. The male canary has a short, stout beak, and a flat head, and is wide between the eyes—the wider the better. The crown of the head of the female is rounder than that of the male. In general build the male is stouter, and has a bolder carriage.