

Condensed Crossword

(Each word is of four letters only)

CLUES ACROSS:

- Shuffle a fruit to get what you do to its skin or your toenails.
A common internal reaction to excess carbohydrate.
Fighting formation of a famous army of savages.
And be thankful.

CLUES DOWN:

- Two of a kind.
Take an old weapon associated with beef and change it round to get the ultimate.
What the old weapon does.
What the editor does.

Maths.

The four sides of a garden are known to be 20, 16, 12 and 10 rods long, and it has the greatest area possible for those sides. What is the area?

—(Problem from R.G.).

Triangle to Square

Divide an equilateral triangle into four pieces so that they can be fitted into a square.—(Problem from R.C.J.M., Invercargill).

ANSWERS

(See issue of September 20)

Farm Labour: The new man goes to a worker in a corner paddock and tells him to move into a middle paddock next door. He then moves in to the middle paddock in the side of the estate forming the other wing of that corner,

and the farmer sees 24 men wherever he looks. The greatest number of men able to work in the paddocks under that condition would be 92: 22 in each of the middle paddocks and 1 in each corner. — (Problem and answer from R.C.J.M., Invercargill).

A Gamekeeper's Problem: 20.

Ducks, Geese, and Turkeys: 26 geese, 13 turkeys, 39 ducks.

Counting the Cows: 10.

A Mystifying Race: It would be a tie if the race were over a straight course, but each half of the race from the tree to the stake and back is $112\frac{1}{2}$ feet. The dog would have to make 23 leaps both ways, thus travelling 230 feet. The cat would take 76 leaps, or 228 feet. So the cat would win by two feet.—(Problem and answer from R.G., Waihi).

For the Hostess: 40,320, says J.C.L., who set the problem.

CORRESPONDENCE

G. Tisbury (Invercargill): Was a little mystified by the Mystifying Race, but will see now that the jumps of the cat and dog were supposed to overlap the distance. If this had not been so, the race would have been no race. His other answers he will be able to compare with ours, and his request for further information about Time for the Guard was anticipated in the last issue.

Rob (Ahipara): Has spoiled a little game Lillian has been playing. He has picked that the Draughts problem, and the problem Move the Money, were the same in reverse. Lillian saw the opportunity to make the draughts problem into the same sort of problem as Move the Money, but the trick has evidently been too obvious. Rob sends a variant of a shunting problem, which will be used.

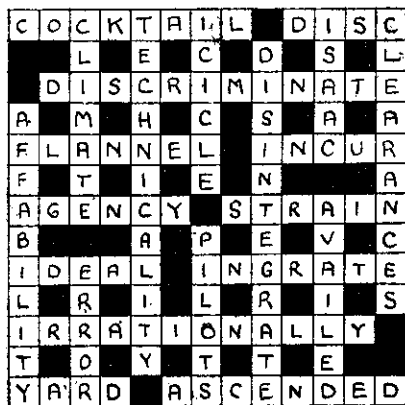
L.W.R. (Nelson): Not quite full marks, but 100 per cent for industry.

P.J.O. (Motueka): Sends news that he and General Martin are completing the disposition of their forces before doing battle. He sends answers, but he has not examined Move the Money with sufficient care.

X.G.T. (Kopuawhoro): Sends some answers and seems to be quite unrepentant about his

THE LISTENER CROSSWORD

Answer To (No. 26)



PUBLIC TRUST OFFICE

STATEMENT FOR AUGUST, 1940.

Estates of a value of £886,693 were reported and accepted for administration by the Public Trustee during the month of August, 1940. The total value of the estates and funds under administration by the Public Trustee on March 31, 1940, was £62,622,175, and the new business for the five months ended August 31, was £3,212,099.

Grants of administration made by the Court in favour of the Public Trustee numbered 189 for the month.

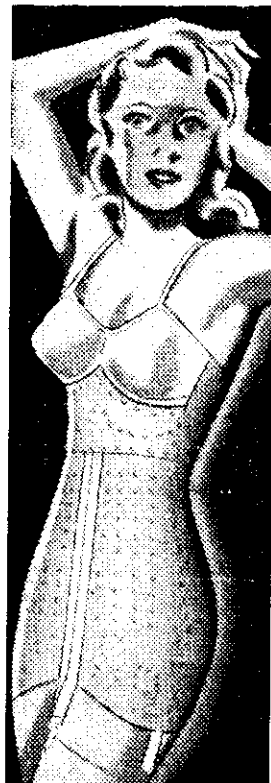
During the month 726 new wills appointing the Public Trustee executor were prepared on behalf of testators and lodged for safe custody, and 472 existing wills were revised to provide for changes desired by testators. The total number of wills now held in the Public Trust Office on behalf of living persons is 100,679.

length for the train, in spite of the fact that W. Robinson said it took the biscuit. He picked the method for solving Pat and the Pig, but points out that the end of the ellipse of Pat's track would be so close to the straight line run by the pig that Pat could easily catch it before he reached the exact mathematical point where they would meet.

E.A.C. (Wellington): Suggests a compression of T.M.C.'s formula for finding the sum of the cubes of consecutive numbers starting with 1 and ending with n. T.M.C. said this would be the square of the sum of the same num-

bers. A.E.C. wants this put with more mathematical obscurantism, so he suggests that the sum of the first n numbers is $n/2(n+1)$, as the numbers are in arithmetical progression, so that the formula is: $(n/2(n+1))^2$ squared which equals $1/4n^2(n+1)^2$ squared. E.A.C. also sends other mathematical roguery which will be used when possible, and explains, in answer to our invitation, that he is too shy to come into the office and look at the files. Let him have no fear. We keep the Editor tucked away in his own room, and the rest of us are innocuous.

LOSE UGLY FAT



THRILLING NEW WAY REDUCES HIPS, WAIST and BUST 3 INCHES

IN 10 DAYS Now you can mould your figure to the proportions you desire. You can wear the dresses you have always wanted to wear. You can take off POUNDS and INCHES—by wearing the New Improved Slimform Reducing Girdle which is GUARANTEED to give results.

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1. A Slimform supports the bust and gives new youthful line.
2. Slimform massages away that "spare-tyre" bulge over top of corset.
3. Slimform reduces the waist to suit modern fashions.
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The New Improved Slimform is GUARANTEED to reduce three inches off Hips, Waist and Bust in 10 days, or it costs you nothing. IMMEDIATELY you step into a Slimform you LOOK and FEEL slimmer. And as you wear it the scientifically perforated Latex Material, with every movement, magically massages ugly unwanted fat away.

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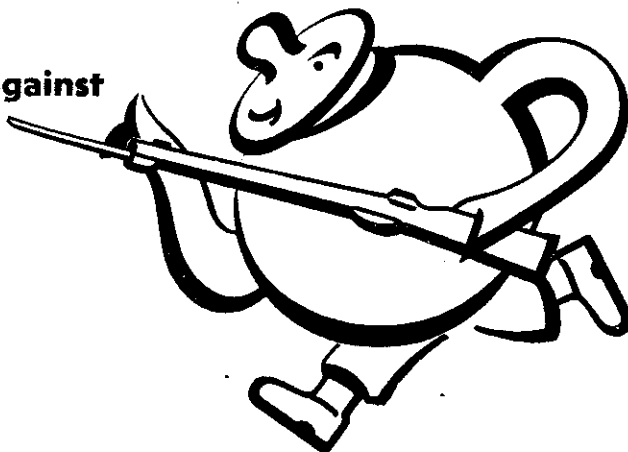
NAME
ADDRESSL10

The best

'HOME DEFENCE' against

WAR NERVES

and weariness
is a cup of
high-grade tea



BELL TEA

—the highest grade
obtainable, definitely
soothes the nerves

HD/N