

# PUZZLES

## A CHALLENGE FROM CHRISTCHURCH

**P**RIDE of place on The Page this week must go to a challenge from F.D.B. (Riccarton, Christchurch), who sends a problem which we think will take puzzlers the duration and six months after. He says his trials indicate that the solution requires 71 moves. Others may be able to better this. Let them try. . . .

The diagram in the top right hand corner represents nine pieces of stiff card or board, cut in the proportions indicated, and fitted, with one blank space, inside a rim. The problem is to exchange the positions of No. 1 and No. 4. This must be done only by sliding the pieces. They may not be lifted up or overlapped.

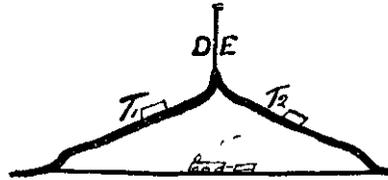
### ANSWERS

(See issue of July 19)

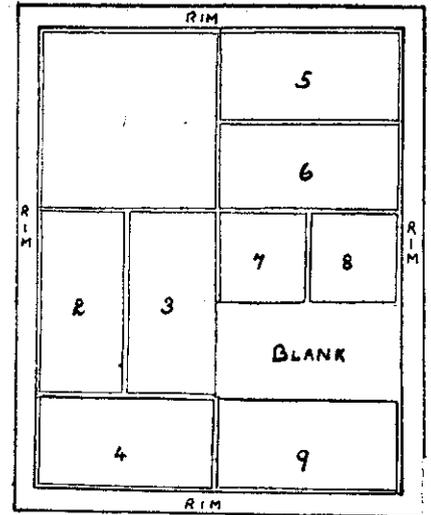
**Bricks:** 21 pounds (problem and answer from Newcomer, Arthur's Pass).

**Shunters:** So many answers have arrived for this it is possible only to acknowledge those received before The Page was made up: Q.E.D. (Hamilton), Charles Chan (Dargaville), Newcomer (Arthur's Pass), Tennyson (Milton), U.K. (Sheffield), O.N. (Hastings), Willie (Pleasant Point), L.G.L. (Motueka), M.M.M. (Invercargill), R.Mc. (Timaru), and others who mentioned it in their letters. Some puzzlers "slipped" a truck to avoid the difficulty of having the engine pulling one on to the loop

line for the final move, which would leave the engine off the main line. Others ran the engine through the dead-end, but this was not allowed for in the problem, although it must be admitted that we did not mention the point. The dead-end would hold only one truck. But no tricks were necessary. Here is the diagram:



The engine moves along main line and backs up to T1. It pushes T1 into the dead end, runs down to the main



Bottles of Wine:

First position:	2	5	2
	5	5	5
	2	5	2
Second position:	3	3	3
	3	3	3
	3	3	3
Third position:	4	1	4
	1	1	1
	4	1	4

(Problem and answer from G. Tisbury, Invercargill).

### PROBLEMS

**TRAMS:** On a tram route five miles long there is a ten-minute service each way. A tramcar takes 27 minutes to (Continued on Page 48)

### The LISTENER CROSSWORD (Answer to No. 17)

M	A	T	C	H	M	A	K	E	R	S
S	L	I	A	I	O	D				
C	A	P	I	T	O	L	L	I	M	B
A	E	R	A	I	L	A	P			
B	E	N	E	D	I	C	K	O	N	C
S		E	E	R	C	Y				
S	T	A	L	E	M	E	D	E	S	
S	H	S	P	S		A				
E	L	I	A	M	O	N	T	R	E	A
A	S	L	S	R	X	O				
M	I	T	R	E	S	P	A	R	T	A
Y	L	A	U	I	R	E				
D	E	T	R	I	M	E	N	T	A	L

### CRIBBAGE COMPETITION

The following six competitors tied with a score of 147 points:—L. G. Taylor, 33 Test Street, Oamaru; W. McCarthy, Tataraimaka; Mr. and Mrs. McEwan, St. Kilda; O. and C. Tregonning, Test Street, Oamaru. Winning rearrangement:—5D, 3C, 4D, 4H, 3S; 7D, AC, 7C, AH, 7S; KD, QS, JC, QH, KS; 10D, 2H, 9S, JH, 8S; 2D, 2S, 8C, KH, 5S. Competition No. 2 appears next week.

## The Listener Crossword No. 18 (Constructed by R.W.C.)

1		2		3		4	5			6
					7					
8							9		10	
11					12					
			13							
14			15						16	
17								18		19
							20			
21						22				
23							24			

### Clues Across

- I disturb the peace for each.
- Ask a sailor to go away.
- Shingle (anag.).
- A worn tree?
- A form of rats once found in Russia.
- A parent's sister mixed up in a troop—this is ample.
- Aim crookedly for a French friend.
- Schubert's Quintet in A Major.
- To pelt such an actor with eggs would be not only justifiable but also appropriate.
- Due caste (anag.).
- A Scottish hillside hides a bear.
- "—! Where is thy sting?" The author of "Golden Boy"; he married Luise Rainer.
- This hand is always welcome.

- "Oh joy! that in our — Is something that doth live." (Wordsworth).
- Nerves are upset in this river.

### Clues Down

- "Let every eye negotiate for itself, And trust no —" (Shakespeare).
- Re-arrange it during tea—you'll get no thanks.
- The first murderer.
- Not bears, but traditionally bold and bad.
- Character in "A Christmas Carol."
- This hobbles for watchwords.
- We saw it here (anag.).
- Subject of Douglas Reed's "Nemesis?"
- One name for a flower.
- Famous marbles concealed in 22 across.
- Otherwise may be fishy.

### To Puzzlers

Shortage of space may mean that the Puzzle Editor cannot fully acknowledge every letter sent to him. He hopes, however, that puzzlers will understand the position. They should be as brief as possible and as tolerant as possible if their problems and comments are not used immediately. Above all, the Editor hopes they will continue to send in material for a Puzzle Page which has already printed hundreds more problems than would have been possible had not so many hundreds of energetic readers assisted so generously in its compilation

line, backs along to the other points, and runs up to T2. It pushes T2 to the dead-end and T2 is then coupled to T1. Both are then drawn back down the main line and through the points. The engine then pushes T1 and T2 to where it stood originally (see diagram) and T1 is uncoupled and left there. T2 is then drawn back and pushed up the loop past its original position and into the dead end. The engine then runs back to the main line, and along to T1. It couples up to T1 and backs past the points. T1 is then pushed up to where T2 was first and the engine backs off leaving it there, goes through the points and along to the other loop again, backs up to T2, and draws T2 out of the dead-end to T1's original position. And there you are. Tane, who sent the problem, supplied his answer. Other correspondents with correct answers must give themselves full marks as shunters.

## JOHNS LATEST CATALOGUE

RADIO-ELECTRICAL-LIGHTING PLANTS-ENGINES-TOOLS etc.  
This comprehensive Catalogue, the best of its kind in the Southern Hemisphere, is now ready. Price 1/-, but FREE to you if you mention the "New Zealand Listener."  
JOHNS LTD., Box 471 — O, Auckland