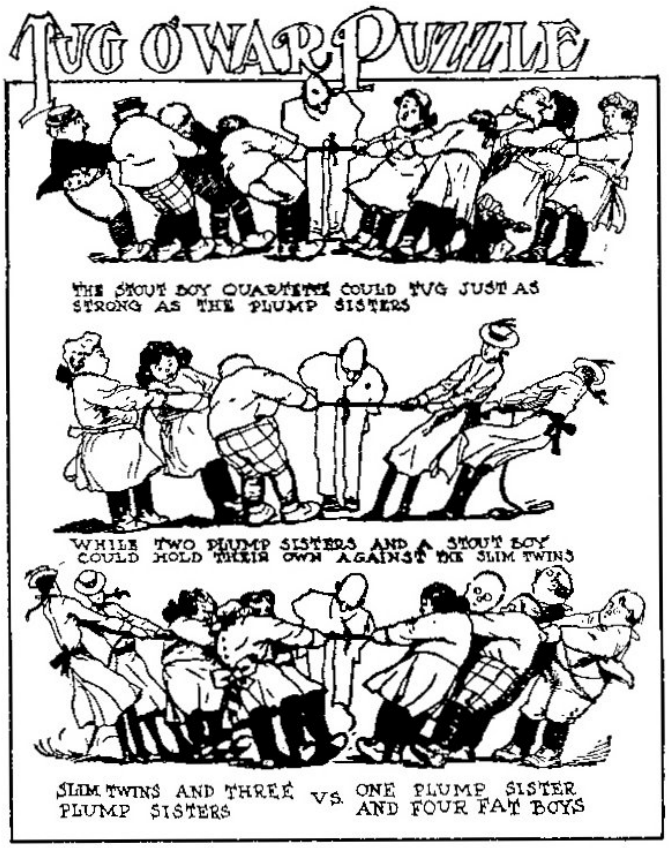
Problem of the Week
Solution Four



SOLUTION: From the first picture we learn that four stout boys pull the same as five plump sisters, From the second we learn that two slim twins pull the same as two plump sisters and a stout boy. Let us then simplify the third diagram by replacing the two slim twins on the left with two plump sisters and a stout boy.

The third picture would then show five plump sisters and a stout boy (on the left) pulling against one plump sister and four stout boys. We now use the first picture to cancel out the five plump sisters from one side and four stout boys on the other. This leaves one plump sister (on the right) pulling against one stout boy. But it is clear, again from the first picture, that oe stout boy is stronger than one plump sister.

Therefore, the team on the left will win the Tug O'War.