

Compression Code Puzzle 2

"Compression algorithms" replace messages with ones that take up less space to store. One simple way is to replace words, or groups of words by numbers. Then use the same number for the same word or group each time it appears.

Can you recover the original poem from this compressed version?
Repeatedly replace the numbers by what they stand for from the codebook.
For example, the number 1 is replaced by A, the number 13 is replaced by LITTLE, the number 22 is replaced by the numbers 13 6 which themselves can be replaced by other things using the code book.

The poem:

23
7 22
3 16 2
23
12 14 9 20 15
21 22

Codebook:

1 = A	15 = PROUD
2 = ALOUD	16 = SINGS
3 = ALWAYS	17 = SWEET
4 = BE	18 = THE
5 = BLUE	19 = TO
6 = CLOUD	20 = VERY
7 = EVERY	21 = 19 4 1
8 = FLOATING	22 = 13 6
9 = HIM	23 = 24 25
10 = HOW	24 = 10 17 21 6
11 = IN	25 = 8 11 18 5
12 = IT	
13 = LITTLE	
14 = MAKES	