

77	\$2	=	*7*8/78+S+*7*9/79+S	E
78 A	\$2	=	**ENGINEER + W	P
79 A	\$2	=	**SMALL + W	P
80 A	\$2	=	WATER + W	P
B		=	STEAM + W	P
82	\$2	=	*8*5/85+S+*8*0/80+S	E
83	\$2	=	*8*5/85+S+*1*0*3/103+S	E
84	\$2	=	*8*9/89+S+*1*0*3/103+S	E
85 A	\$2	=	*8*8/88+S	P
B		=	*9*2/92+D	P
C		=	*9*0/90+S	P
88 A	\$2	=	THE + W	P
89 A	\$2	=	A + W	P
90 A	\$2	=	HIS + W	P
B		=	ITS + W	P
92	\$2	=	*8*8/88+S+*3*1/31+S	D
93 A	\$2	=	*9*5/95+E	P
B		=	*1*0*0/100+E	P
C		=	*9*8/98+E	P
95	\$2	=	*8*5/85+S+*9*6/96+S	(D) E
96 A	\$2	=	*1*0*0/100+E	P
B		=	*9*8/98+E	P
98	\$2	=	*1*0*2/102+S+*9*9/99+S	E
99 A	\$2	=	*1*0*0/100+E	P
100	\$2	=	*1*0*3/103+S+*1*0*1/101+S	E
101A	\$2	=	S + W/.1 S	
102A	\$2	=	FOUR + W	P
103A	\$2	=	*1*0*8/108+S	P
B		=	*1*0*5/105+E	P
105	\$2	=	*1*0*6/106+S+*1*0*8/108+S	E
106A	\$2	=	*4*7/47+S	P
B		=	*4*0/40+E	P
108A	\$2	=	DRIVING-WHEEL + W	P
B		=	TRAIN + W	P
C		=	ENGINE + W	P
D		=	BELL + W	P
E		=	WHISTLE + W	P
F		=	SAND*-DOME + W	P
G		=	HEADLIGHT + W	P
H		=	SMOKESTACK + W	P
I		=	WHEEL + W	P
J		=	FIRE*-BOX + W	P
K		=	BOILER + W	P

(END OF GRAMMAR)

CT \$=A + *N // *A1 1*
 * * (+*1+*0+*0+*) + *N = FINAL (CHECK COUNT)
 COUNT *0+*) = *1+2 PC (INCREMENT)
 * *1+*) = *2+2 PC
 * *2+*) = *3+2 PC
 * *3+*) = *4+2 PC
 * *4+*) = *5+2 PC

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* *5+*) = *6+2 PC
 * *6+*) = *7+2 PC
 * *7+*) = *8+2 PC
 * *8+*) = *9+2 PC
 * *9+*) = 2+*0 COUNT
 PC *)+\$+*N = 2+1+3 * (PRINT COUNT OF NEXT S)
 *\$ + *N = *0 + 1 + 1 // *Q3 1 2, *Q1 3 START
 FINAL \$ = -*.-*-THE-TIME-IS +X+*.*//*RAL2,*WAM1 2
 3 *
 * \$ = -END-OF-COMIT-RUN*. // *WAM1 *

END

M476 PUNCH OUTPUT

(001) * WHEN *ENGINEER *SMALL KEEPS *SMALL AND FOUR FIRE-BOXS, HE KEEPS DRIVING WHEELS, HIS STEAM, IT AND FOUR BLACK AND OILED FIRE-BOXS.

(002) * HE HAS FOUR POLISHED SAND-DOMES.

(003) * HE HAS FOUR PROUD, LITTLE, POLISHED, POLISHED AND PROUD BOILERS UNDER PROUD BELLS, STEAM AND THE WHISTLES IN FOUR WHISTLES.

(004) * WHEN STEAM IS PROUD OF THE FOUR FIRE-BOXS AND FOUR ENGINES, THE TRAIN IS SHINY.

(005) * WHEN *ENGINEER *SMALL IS PROUD, HE HAS *SMALL UNDER A LITTLE AND PROUD SMOKESTACK

(006) * WHEN HE IS PROUD AND OILED, *ENGINEER *SMALL IS POLISHED.

(007) * WATER IS BIG.

(008) * WHEN HE IS OILED, THE SHINY SMOKESTACK IS PROUD OF FOUR ENGINES.

(009) * A HEADLIGHT IS HEATED.

(010) * WHEN HE IS HEATED, *ENGINEER *SMALL IS POLISHED.

(011) * WHEN HE IS HEATED AND HEATED, STEAM IS POLISHED.

(012) * A BLACK SMOKESTACK IS PROUD AND POLISHED.

(013) * ITS STEAM IS PROUD OF WHEELS.

(014) * THE STEAM MAKES ITS STEAM AND A WHISTLE BIG AND PROUD.

(015) * THE WATER UNDER THE FOUR SHINY WHEELS HAS A BLACK BELL AND FOUR BLACK AND POLISHED TRAINS.

(016) * WHEN *ENGINEER *SMALL IS OILED, THE WATER IN THE BELLS IS HEATED.

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