How to Keep Tab on the Cost of Power

BY J.-G. OULD IN THE PRACTICAL ENGINEER.

The planning of a system for the business of operating a power plant is much like getting a suit of clothes. It quired results are obtained with the land for the spossible for you to go to the store and see a suit which you like as to its

THE SUBURBAN A A CO PEMAN OAL MASSER

Fig. I.—Sample Record for Boiler Room.



Fig. 2.-Keeping Track of Engine Per-

cut and appearance, and when tried on find it a good fit, but the chances are it defeats its own ends; therefore, it a system. To have it right, it must should be as simple as one can make be built to order, and even then it may it for the purpose in hand.

DAT				FECTI	PICAL	100	WA	TCH B	AM TO 4P M
~*	AMPERES		15					STATION	REALIRHS
	96 N 1	GE = E	8	LINE !	LINE 2	LINE	since #	Pinte L 67	we wanted
_	-	-	-	-	-	-	-	-	
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Fig. 3.—Electrical Log.

mallest possible cost per unit and at ae same time giving the best possible service.

By way of illustration let us suppose suburban power station, giving out

DATE	MONTHLY DATA OF STEAM & ELECTRIC PLA	INT
COAL, LB	NS COST OF COAL AT 0.00 PER TON	
ASHES, " 000 CANS 00000		
COAL USED	" " ASH REMOVAL 000 00	
UAL USED	- " " -	
DIFFERENCE IN FAVOR OF - 1908 - 00.00	" " PACKING	
DAYS UNDER STEAM 1907 00.00	" " PACKING	
" " " 1908 00.00		
AVERAGE COAL PER DAY 1907	" " WASTE 0 00	
" " " 1908 00 00		
DIFFERENCE IN FAVOR OF : 1908	" GENERAL SUPPLIES	00
DIFFERENCE :-	SALARIES	00
DIFFERENCE:	TOTAL FOR THE MONTH:000	00
1 1908 00.00		
DIFFERENCE	TOTAL COST, MARCH	00
FEED PER LB. OF COAL 1907 .00.00		
" " " 19081 00 00	DIFFERENCE LY FAVOR OF:- 1909 000	00
		THE REAL PROPERTY.
	COST PER WORKING DAY 1907	
DIFFERENCE IN FAVOR OF:- 1908	" " " 1908	
		-
" METER 1 0000	OST OF COAL MARCH 1907 -	
" " 2 0000 /908	COST OF COAL MARCH 1907 -	
DIFFERENCE IN FAVOR OF : 1907 00.00	. AT \$ 0.00 PER TON	00
WATER PER DAY190700.00	COST OF COAL MARCH 1908 -	
" " "190800.00	COST OF COAL MARCH 1908 -	00
MAKE UP METER 1907 00.00	DIFFERENCE IN FAVOR OF:- 1907	00
DIFFERENCE IN FAVOR OF - 1908 . 00.00		
MAKE UP PER DAY	COST OF COAL TO EVAPORATE - 1000 LBS. OF WATER	
1908 -00.00		
GAS, CU. FT		
" " 2 0000 1908		
DIFFERENCE IN FAVOR OF: 1907 00.00	" . PER 1000 , MARCH 1907	
GAS, PER DAY	DIFFERENCE IN FAVOR OF: 1908 00.00	
DIFFERENCE IN FAVOR OF:- 1907 00.00	DIFFERENCE IN FAVOR OF:- 1908-1 00.00	
PUMP COUNTERS		
" " PUMP NO 5 1908 00 00		00
" PUMP NO. 5 1908 00.00 DIFFERENCE IN FAVOR OF :- 1908 00.00	GAS	20
" "1908 - 00.00	DIFFERENCE IN FAVOR OF 1907	00
DIFFERENCE IN FAVOR OF:- 1908 - 00.00		
ICE CANS		

Fig. 4.-Monthly Record for Power Plant.

that it would be the other way about that it would be the other way about and it would have to be pulled out here, drawn in there, and altered somewhere else before it could be made to fit your particular style of anatomy. So with be the better for a change once in a twhile. The thought underlying this is, one cannot make a system by the yard and cut it off as required by different people. people.

restiment, depreciation and other fixed service, to have a capaciton of 3,500 charges may or may not be in the province of the operating engineer, depending on circumstances. Although the operating department has a very great deal of interest in the depreciation account, since it depends in very large part on it as to the amount to be veryly charged of. If the machinery be yearly charged off. If the machinery just been given me, and there are many

The question of interest on the in- direct current for trolley and lighting