SUGGESTION ACKNOWLEDGMENT

Suggestion No	147444
Date	8-23-49

TO THE SUGGESTER:

Please accept our thanks for the following suggestion:

On the following pages are six suggestions that I feel would improve the conditions and results of testing valves. The actual saving in time would be approximately 30 minutes, but this does not tell the whole story. There would also be additional protection against damage of the equipment plus increased accuracy in the results obtained. In addition there would probably be a secondary saving because the tester could begin to pay some attention to the method used, rather than being entirely tied up by adjusting and varying the temperature. In the past a tester has been able to test about dix valves during one eight hour shift. With these improvements the time per valve should be cut to twenty minutes or less, and even considering that the tester may only be working only six hours of the time, the total production per day would be eighteen instead of six. Therefore in testing 1000 valves a saving of lill san-days --- or 555 manhours. At the rate of \$1.50 per hour this would mean approximately 1300 dollars saved on only one thousand valves.

1.) I suggest that the block be reversed in the stand. The valve sleeve would then be inserted from the left, not from the right as is done at the present time: but the valve stem would be still inserted from the right. The valve would be removed each time by being pushed out with the wooden rod which is at the machine now.

at present the entire block must be removed approximately mee for every two valves that are tested. This removing of the block could seriously damage it. If the block were damaged it would have to be entirely remade. This would prove an extremely costly job.

Please retain this acknowledgment, and use the above number whenever referring to this suggestion.

You will be notified of the Committee's decision as soon as our investigation has been completed.

Mail to:		18
Burton Grad Ck. 40924	SUGGESTION C	OMMITTEE
Bldg. 28-3 Valve Tester	(2nd Shift)	
Foreman: Doutager	J.J. Huffi	nire/e
		Secretary

SUGGESTION ACKNOWLEDGMENT

Suggestion No	147444
Date	8-23-49

TO THE SUGGESTER:

Please accept our thanks for the following suggestion:

2.) I suggest that two iron pieces be attached to the pressure adjustment knob so that the correct pressures may be more easily obtained. This could be so arranged that the pressures would be indicated for .45 gpm and .15 gpm without the necessity for looking at the pressure gage itself. These pointers would strike against another piece of iron screwed to the beach. This arrangement would automatically limit the range of travel of the pressure adjustment knob. By getting the proper pressure setting without the tester's attention the readings would be more accurate.

Therefore, this suggestion would result not only in a time saving of about one minute per valve, but also in increased accuracy for calculations. If you stop to consider that frequently the temperature goes out of limits while the tester is trying to get the proper pressure setting, the saving is of the order of three to five minutes per valve.

3) I suggest that in adjusting the dial indicator for obtaining flow readings the center be only approximated very roughly; ie. plus or minus 15 units. This procedure would eliminate all of the time consumed in attempting to obtain the proper temperature balance.

This change would result in a saving of about four to five

4) I suggest that the daily log of test results not include a recording of the amount to be trimmed in each case. In addition the following form should be printed and used for recording the results. This could be multilithed at very little cost and would provide a very large number of copies:

Please retain this acknowledgment, and use the above number whenever referring to this suggestion.

You will be notified of the Committee's decision as soon as our investigation has been completed.

Mail to:		
Burton Grad Ck. 40924		SUGGESTION COMMITTEE
Bldg. 28-3 Valve Tester	(2nd	Shift)
Foregan: Doxtader		J.J. Huffmire/e
		Secretary

SUGGESTION ACKNOWLEDGMENT

	Sug	gestion No	147444	
		Date_	8-23-4	9
TO THE SUGGESTER: Please accept our t	hanks for the follo	wing suggestic	n:	
be trimmed, but rath				
Flow Date	Valve #	Final	Reject	Remarks
per valve could be a		ving of two	to three	a inutes
5) I suggest that sof the test results. us ed together. The form a) and then the is a very messy (the not perticularly account to the trians of would be cally, the results a form follows:	at present a actual numeric numbers plots tester's hand curate. Since calculated mat	attachments cal results ted on the g ls are cover by this for thematically	a) and b) are recor raph (for red with o rm the amo instead	are being ded on m b). This il) and unts to of graphi-
	Valve Te	t Record		
Velve # Name	Flow #	I	ate	nder vor die eine vogende gab
Flow (gom)	Land 1	Land 3 Le	and 2 La	nd &
(XL) .45 .35 .25 (X2) .15				
Please retain this acknow to this suggestion. You will be notified of the been completed.	rmthe rollo	ding line of	nould be a	dded beneath
Mail to:		CHECTETIC	NI 60141417	7.00
Bldg. 28-3 Valve		iirt)	N COMMIT	
Foreman: Doztader		J,	d. Duffmi	ecretary

SUGGESTION ACKNOWLEDGMENT

	Suggestion No	147444
	Date	8-23-49
TO THE SUGGESTER: Please accept our thanks for th		n:
Trim FIRAL		Reject
1 2	3	4
	manufacture and a second	*****
3 (X2) -X1 Difference-		Name of the Party
2		
2 2	ne emerimentario	near the second second
Result		The state of the s
- highward test	to the second	defendants to say
From this plot of the rette acceptance or rejection of determined.		
The use of this form woo valve and would very definite of determining the trims for	aly increase the	
6) I suggest that the readir .15gpm. At present readings and .25 gpm. These additions formational purposes; however that they could be neglected	are also being o al readings are m r, they yield so	btalmed for .35 gpm erely used for in- little information
Please retain this acknowledgment, a to this suggestion. You will be notified of the Committee been completed.	er's decision as soon as o	r whenever referring our investigation has
Mail to: Grad Ck. 40924	CHECKET!	ON COMMITTEE
Bldg. 28-3 Valvo Tester (RIM BALIS /	ON COMMITTEE
Foreman Doxtader		Secretary

SUGGESTION ACKNOWLEDGMENT

Suggestion No	247444
33333	8-23-49
Date_	

TO THE SUGGESTER:

Please accept our thanks for the following suggestion:

If the form suggested in section 5) were used (without the lines for .35 and .25 gpm) the saving per valve would be approximately 15 minutes. This large saving would come from the bester's ability to maintain temperature for two readings, but not for four readings. It would, in addition, lead to greater emphasis on the accuracy of the two key units, rather than distracting his attention by requiring extraneous readings. Or course, if there were any doubt in the tester's mind as to the accuracy of his key readings, he could take a rough check on the intermediate points.

Please retain this acknowledgment, and use the above number whenever referring to this suggestion.

You will be notified of the Committee's decision as soon as our investigation has been completed.

Foreman: Doxtader J.J. Haffmire/o
J.J. Huffmire/c



Suggestion No. 147444

Subject

There is Always a Better Way

Schenectady, December 29, 1949

Mr. Burton Grad Ck-40924 Bldg. #28-3

Dear Mr. Grad:

Your suggestion wherein you recommend a change on valve test equipment and recording of test data has been considered.

After investigation of your several ideas suggested and investigation, review and approval of the Engineeriand the Quality Maintenance Engineering Section coordinating this particular job, it was decided to adopt your suggestion.

Quality Maintenance has changed the Standing Instructions to coincide with the suggested ideas where necessary.

In view of the above, the Suggestion Committee is pleased to grant you an award of one hundred twenty dollars (\$120).

Very truly yours,

J. J. HUFFMIRE, SECRETARY SUGGESTION COMMITTEE

JJH:L

COUNTERS IGNED

A record of this suggestion will be made in your Service Folder in the Personnel Division along with your other suggestions which may have been approved.