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Dhananjayarao Gadgil Lib GIPE-PUNE-04519: **CCOUNT** JUGAR COST Z A description of the system adopted by the "Ste. Madeleine Sugar Company, Limited BY G. C. SKINNER. General Manager (Supplement to "Tropical Agriculture."-October, 1928) 9(F68):873.732 F8 45192 TRINIDAD : PRINTED BY THE GOVERNMENT PRINTER, GOVERNMENT PRINTING OFFICE, PORT-OF-SPAIN. 1928.

45192 X9(F SERVANTS OF INDIA SOCIETY'S LIBRARY, POONA 4. FOR INTERNAL CIRCULATION To be returned on or before the last date stamped below 2:5 APR 1982 **A** Description

N order to enable the more fully the method the Ste. Madeleine Sugar Co. 1 of the properties and organit a preliminary to the description system.

The land owned by the Com roughly some 24,000 acres, of which 11,500 acres are under estate cultivation, 6,000 acres are rented to cane farmers, 5,700 acres are uncultivated, and 1,300 acres are pastures and traces. This area is made up of several adjacent estates which are grouped into four large sections. These estates are well served with a network of private railways, totalling about 80 miles of standard gauge and 10 of 3 feet gauge, and the Trinidad Government Railway crosses from east to west and on the eastern side of the estate from north to south.

The factory is practically in the centre of the properties, and is capable of dealing with around 3,000 tons of cane daily; between 25,000 and 30,000 tons of sugar are made yearly.

Approximately two-thirds of the cane is estate grown and one-third is grown by cane farmers, of this latter a considerable portion is grown on

lands which do not belong to the Company. The employees of the Company (including peasant cane-farmers, many of whom divide their time between their own cultivation and the estate) number between 10,000 and 11,000.

It will be readily understood that on such a place, and in the tropics, sugar estate accounting must take a very different shape from farm accounts at home and in other temperate climates. On farms at home there are usually many crops to contend with. Here, there is just the one-Sugar.

The large number of labourers employed, and the variety of work undertaken, necessitates the employment of a considerable staff of supervisors and experts, such as agriculturists, chemists, and mechanical, electrical, locomotive, and agricultural engineers, veterinary surgeons, doctors, accountants, &c:

Sugar Co., Ltd.

workers are connected ould -be made to the pendix IA*) which shows from the labourer in the Chairman of the Board

Alter this general description of the organisation of the estate, we can now deal with expenditure, and the method by which it is analysed and recorded. Appendix 2 shows how the expenditure is dealt with from the Line List to the final local accounts as forwarded to London Office.

It will be observed that there are two main sections, *i.e.*: "Factory and General" and " Estate. The former is sub-divided into the Factory, Transport, General and Medical Sections : the latter is divided into the Estate and Farmers Sections.

A representative division of expenditure is shown in Appendix 3, which gives in diagrammatic form the percentage distribution amongst subsections of the sectional expenditure.

We will take the estate expenditure first, and working from bottom up we start with the *Line List*: This is a plain ruled pocket book which is kept by the Overseer and is used by him for taking a list of and pricing the labourers daily. When visiting the fields in the morning he takes down the names of all those at work, keeping the different gangs separate.

Above the list of names for each gang he records the number of the field in which the work is being done, the class of work, and the rate being paid. In the afternoon, after the work has been measured up and priced, he places the amount earned by each against the name. From the Line List the Pay Roll is written up, and the Dverseer compiles his Daily Abstract. This form (Appendix 4) is the key to the accounting system.

^{*} All documents referred to will be found in the Appendix.

On referring to the Daily Abstract it will be seen that the following information is made readily available :-

No. of Field in which work was done;

Do. Labourers employed in each operation ; do: do. Do. Animals

<u>.</u> .

Size and Rate of Task ; No. of Tasks worked;

Description of Work ;

Daily earnings for each unit of labour ;

Section to which it is to be charged ;

Total amount, and

Where chargeable in the Ledger.

It is only necessary to make one or two explanations in regard to this form. In the 4th and.5th columns "D.W." means Day Workers, the others being on piece or task work. In the "description of work column" the figures

1/70, 1/55, 44/25, mean :

One Man (The Driver) at 70 cents.

One Man (Asst. Driver) at 55 cents.

44 Units at 25 cents.

"Section " refers to the age of the canes worked : A-represents cane left over from the previous year called Standovers;

B-Plant cane to reap for current year;

C-Ist Ratoons;

D-2nd Ratoons, &c., until

M-Young plants for following year.

It is necessary to indicate this, as there are sometimes two or more sections in the same field.

These Abstracts are sent in to the Central Office and the information is posted daily to the Ledgers-separate Ledgers being kept for each Estate.

The Field expenditure, as will be seen from Appendix 2, is entered in detail in the Field Ledger, the totals of which are posted to the Expenditure Ledger. Other work such as that in connection. with stock is posted direct to the latter.

In the *Field Ledger* separate accounts are kept for each field. The main heads of expenditure are :-

Digging Para grass. Preparing Land. Tractor Ploughing. Drilling. Round Ridging. Sub-soiling. Planting. Pen Manuring. Green Dressing. Draining. Weetling. Forking. Applying Artificial Manure.

Reaping, &c. These headings are further sub-divided. Appendices 5A, 5B, 6, 7A and 7B, are the three forms used in the Field Ledger.

Appendix 5A is the Detail Sheet, one of which is used for each sub-head, and is printed on white paper.

Appendix 6 is the "Total" page for each sub-head, and is printed on blue paper.

Appendix 7A is the Control Sheet which gives the analysis of all expenditure on the particular field for the year, and is printed on pink paper.

We will take as an example "Cutting Plants." The expenditure will be posted daily from the abstract to Appendix 5A (white sheet). This sub-section is one of several (such as "Carting plants"; "Heading plants," &c.) forming the main section "Planting." The totals of these white sheets are posted fortnightly to the Blue Sheet (Appendix 6) and from there to the "Planting" column of the Control Sheet Appendix 7A (pink). It will be noticed that in the sub-head Detail Sheet (5A and 5B) not only is the expenditure recorded, but also the number of workers, their rates of pay and daily earnings (Appendix 5B). This information is frequently most useful. On the reverse side of the Control Sheet (Appendix 7B) full particulars of the field statistics relating to yield and costs and detailed cost per acre are given so that the sheet gives the full history of a particular field for a year.

The totals of this ledger are posted via a Summary Statement to the Expenditure Ledger, Wages column. As will be seen from Appendices 8 and 9 this ledger is also made up of Detailed and Control Sheets. The first being printed on white paper and the latter on pink. These forms are self-explanatory.

The foregoing disposes of the wages section of the Estate Ledger. There is, of course, cash expenditure other than wages. Such expenditure is analysed fortnightly, and posted to a Detail Sheet (Appendix 10) and from there to Cash Expenditure Column of the Control Sheet (Appendix 11) which will be observed is the same as Appendix 9.

London Debit Notes are dealt with in a similar manner, the remaining column, Inter-Estate Accounts, represents charges for work done by one Estate for another. This information is posted to the Expenditure Ledger from a fortnightly analysis of the Debit Notes or via the Field Ledger as the case may be.

The list in Appendix 12 gives the headings of the "Control Sheets" generally used, but these may be increased or altered at will. Those marked with an asterisk also appear in the Field Ledger.

This completes the description of the manner of charging all Estates expenditure, but before going on to the Factory side one or two observations should be made on the benefits that are derived from a system which seems to be rather laborious but is in practice very simple.

Prior to putting in this system, huge unwieldy Analysis Sheets were forwarded fortnightly to the Central Office. These gave such information as the amount spent on "Forking"; "Weeding"; "Stock Food"; &c., but the Central Office had no means of tracing how these amounts were made up, or which fields were worked. To everybody's knowledge a great deal of " cooking " took

place, and in addition the information was received at Headquarters more than a fortnight after the work had been done, whereas now it comes in the day after.

To-day there are several means of checking the information supplied. When riding round the estate one can make a note of the work being done in a particular field and number of people employed, and on the following day one can see whether it has been properly recorded in the Abstract. Formerly there was great difficulty in the Manager of one estate finding out what his neighbour was paying for any particular work. To-day every Manager or Overseer has the right to go over any estate's ledger where full information on every point will be found.

full information on every point will be found. The Office staff now check up regularly the expenditure under each heading for every field, and if cost per acre does not tally with rate paid the Overseer is called upon to explain.

Recently two members of the Agronomist's staff were appointed Field Auditors. At any time they can call on an Overseer to go over the work in any field and check up and compare results with the Ledger. They afterwards submit a report to the General Manager as to the correctness of the measurements, price paid and comparison of rate for similar work on other estates. The advantages of such an independent audit are obvious.

Field Ledgers in pocket book size are copied from the Office Ledger, so that field expenditure can be conveniently discussed on the spot. This is a loose-leaf pocket book, and is written up fortnightly.

Another pocket book which is of great assistance when riding round the estate is one which has a double page for each field. On one page is given the following information:

Area ;

Class of Soil; Undulating or Flat ; How Planted; Variety ; Date Planted ; Artificial Manure per Acre; Date applied ; Pen Manure per acre ; Pen Manure how applied ; Burnt Lime per acre ; Date applied ; Ground Limestone per acre; Date applied ; Crop per acre; Tons Estimated for 192 Crop per field; Do. do. 192 Do. Reaped for 192 Crop per acre; * Do. Crop per field ; do. 192

Date Reaped. The blank page is used for making notes of observations from time to time.

We now come to the Factory and General Expenditure side.

As will be seen from Appendix 2, this is divided into 4 sections—Factory, Transport, General, and Medical. These accounts are all kept in

one Expenditure Ledger and the method used is the same in each case. We will start off, as in the case of the Field side, with the labourers. These are divided into two main classes—skilled and unskilled. With the unskilled the time is taken in the same way as in the field, *viz.*; by the Overseer, who analyses same in his Daily Abstract (Appendix 13) which is posted up in the Ledger in the Central Office daily.

The skilled men, such as Fitters, Turners, Carpenters, Masons, &c., write up a time sheet (Appendix 14) daily stating the number of hours spent on each job. From these time sheets the timekceper makes up a weekly time sheet (Appendix 15) and a daily abstract (Appendix 13) which is posted in the same way to the Detail Sheets of the Factory Ledger.

Factory Ledger (Appendices 16-20). This, of necessity, has to be divided differently from the Field Ledger. The costs are divided into "Running" and "Maintenance." The Detail Sheets, as in the case with the Field Ledger, are printed on white forms. The total "Running" forms are pink, the "Maintenance" blue, and we also have Control Sheets which amalgamate the Running and Maintenance and these are on yellow paper. The method of posting from one to the other is really the same as with the Field Ledger and it is therefore not necessary to go into this in greater detail.

Another difference between the Factory and Estate accounting is the manner of handlirg of stores. On the Estates, the stores are charged up in bulk either from the merchants' invoices or from the Factory Debit Notes, but with the factory, all stores purchased go into stock and are charged out as consumed, however small the amount. A requisition is made to the Store on a *Stores Order Form* (Appendix 21) signed by one of the Engineering Staff containing a note of what is required, and where the amount is to be charged.

These order forms are filed in their proper place until the end of the day when they are entered up in the *Stores Charge Book* (Appendix 22). In this book it will be noticed that the stores are detailed and a price placed against each item. The total of each heading is posted to the material column in the Factory Ledger-Detail Sheet—daïly, and, as in the case of Wages, totals are posted to Control Sheets fortnightly.

Cash Expenditure, Inter-Estates Accounts and London Accounts are treated in exactly the same manner as previously described. Appendix 23 gives a list of Main Headings of Expenditure for Factory, Transport, General and Medical.

There are, of course, a very large number of sub-heads, as every piece of machinery in the factory, every loco., &c. has its own account. It might be mentioned that replacements and new machinery go through the "Maintenance" section but under separate sub-heads.

The previous account about covers the methods adopted as regards costing. There are, of course, various accounts such as Cash Accounts, Personal Ledger, &c., but these are all kept in a similar minner to those of most firms.

There remains the question of accounting for the produce and the method of keeping track of the cane may be worth mentioning.

Estate Cane.—The cane when cut is either carted or headed to railway waggons. The carted cane is usually weighed on the cart and the carterman is paid by the ton, but headed cane cannot be weighed until it arrives at the factory, and headers are therefore paid by the truck.

Immediately a truck is loaded the Overseer in charge of this work makes out a truck ticket (Appendix 24) stating the name of the Estate, the truck number and date of loading.

This ticket is placed in a pocket provided on the truck. On reaching the factory scale the weight of the truck is punched on the ticket. It is then placed in a pigeon hole with other tickets from the same Estate and at the close of the day these are all sent up to the Central Office with a list of trucks and weights for the day (Appendix Fig 25.)

The Field Overseer, at the close of his day's work, makes up a statement (Appendix 26) showing all trucks loaded for the day—giving truck and ticket numbers, also the field from which the cane was reaped and the name of the loading station. On arrival at the Central Office these forms are checked up with truck tickets received through the factory cane weigher. The tickets are then returned to the Estate together with a certificate (Appendix 27) of the weight of cane received for the day. Each week the estate sends in a form (Appendix 28) giving information as to the tonnage and date of reaping of each completed field.

Before being entered on the Control Sheet of the Ledger this information is checked at the Central Office from information obtained from the truck tickets.

Farmers' Cane is almost invariably brought to the loading place by carts, but occasionally Farmers, through whose land a railway runs, are allowed to load direct into trucks.

On arrival at a scale the carts are weighed and a receipt (Appendix 29) given for each load. The Farmers' Ledger is posted from the duplicate of this receipt.

The Cane Weigher sends in a detailed list of all loads bought during the day showing the total weight loaded into each truck (Appendix 30). As these trucks are re-weighed at the factory yard there is ample check on the weights.

Chemist's Report.—The method of accounting for the cane after it arrives at the factory yard is covered by the Chemist's Report, and a copy of this (Appendix 31) is given for reference.

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APPENDIX.

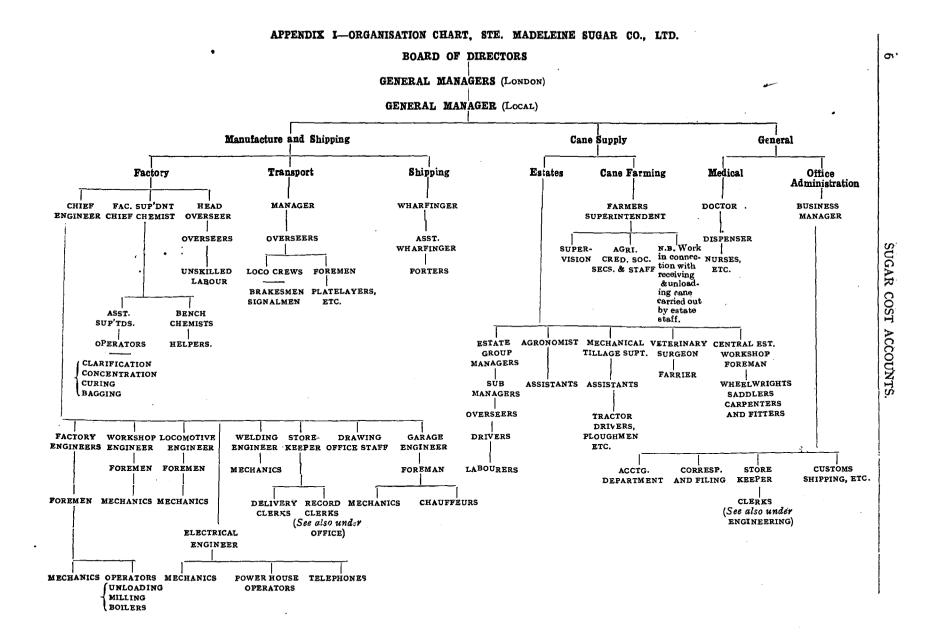
LIST OF CONTENTS.

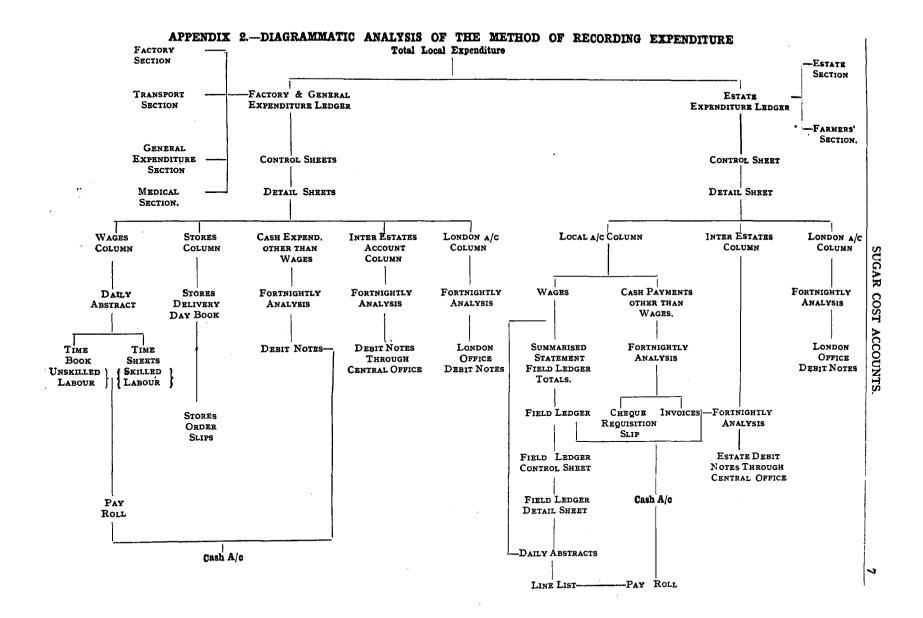
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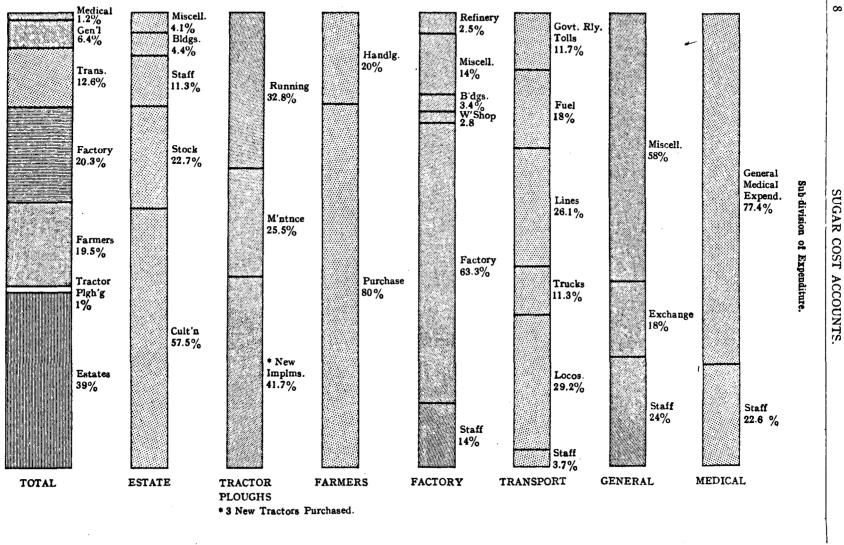
(The Colour and Size of the various sheets are noted.)

No	. Description.	Colour,	Size;
r	Organisation Chart		
2	Diagrammatic analysis of the method of r	ecording	—
	expenditure		—
3	Percentage distribution of sectional expendi	ure on	
	sub-sections	•• White	Edexco Paper No. 162.
4	Daily Abstract *	Pink	14 inches by 13 inches.
5A	Front of Sub-head Detail Sheet	•• White	11 inches by 9 inches.
5B	Back of Sub-head Detail Sheet Sub-head Total Sheet	•• do.	do. do.
0 71		Blue Pink	do. do.
74	Back of Field Expenditure Control Sheet		See Note. do. do.
75	(The actual form used by the Company is a double of the company is a double		uo. <u>0</u> 0.
	each side II inches x 9 inches, the recto of		
	sheet is arranged as fig. 7B, the verso of the f		
	and the recto of the second are arranged as		
	and the verso of the second sheet is ruled so		
	costs per acre of each operation involved in	the	
	cultivation of the particular field can be noted		
	Front of Sub-head Detail Sheet in Expenditure Le		11 inches by 9 inches.
8в	Back of Sub-Head Detail Sheet in Expenditure I		II inches by 9 inches.
9	Control Sheet in Expenditure Ledger		do. do.
10			do. do.
11	This is intended to be the same Sheet as No. 9, of		
	the details of No. 10 are posted to the CASH C (Local Accounts Column)	Pink	do. do.
12	Local Accounts Column)		d0. d0.
12	Factory Wages Daily Abstract.	Russet	14½ inches by 11 inches.
13 14	Factory Workman's Time Sheet	White	7 inches by 6 inches.
15	Factory Weekly Time Sheet	White	111 inches by 81 inches.
16	Sub-head Total Sheet for factory running costs	Pink	II inches by 9 inches.
17	Sub-head Detail Sheet for factory running expenses	White	do, do.
ıś	Sub-head Total Sheet for factory maintenance expe		do. do.
19	Sub-head Detail Sheet for factory maintenance	expenses	
-	(Same as No. 17)	White	do. do.
20	Factory Operation Control Sheet	Yellow	do. do.
21	Stores Order Form		our 5 inches by 4 inches.
		option	
22	Sheet from Stores Charge Book	White	12¼ inches by 9¼ inches.
23	Main headings of factory, transport, general and		
	expenditure	·· —	6 inches by Thinches
24	Truck Tickets : Estate	White Carmine	6 inches by $1_{\frac{1}{2}}$ inches. do. do.
	Farmers	White	13 inches by 84 inches.
25	Daily truck and weight list		$d_{13\frac{1}{2}}$ inches by $9\frac{1}{2}$ inches.
	Daily return of trucks loaded Cane tonnage advice note	White	8 inches by 4 inches.
27		Blue	101 inches by 8 inches.
28 29	Estate reaping report	White	141 inches by 41 inches.
49	Receipt for larmers cane		(ctg. 4 tickets).
30	Cane Weighers Daily Summary of weight of cane lo	aded White	13 inches by 71 inches.
	Chemist's report (3 sheets)	White	81 inches by 13 inches.
<u> </u>			·

* The money unit used is the Trinicad dollar and cent equivalent to 4s. 2d.







APPENDIX 3.—PERCENTAGE DISTRIBUTION SECTIONAL **EXPENDITURE** ON SUB-SECTIONS. OF

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APPENDIX 4 -- DAILY ABSTRACT.

No. of Field.	No. of Labour- ers.	Ani-	Size of Task.	Rate.	No. of Tasks Worked.	DESCRIPTION OF WORK. (State exactly work done.)	Sec.	DET.	AIL. C.	Тота \$.L. c.	Total. \$ c.	Where Chargeable.
						Field Expenditure.							
R	46		1 Ch	3 <u>1</u> c.		Weeding 1/70, 1/55, 44/25.	м	12	25				
R	12		1 Ch	5 _. c.	••••••	Weeding 1/50, 11/25	С	3	25	15	50	••••••	Handweeding.
9R	9	•••••	100	3 c.		Cutting Plants 1/50, 7/40, 1/20	М	• ••••		3	50		Planting.
1/34 R	20		1 Ch	4 c.		Applying Pen Manure 1/50 2/30 2/25, 15/20.	м			4	60		Appiying Pen Manure.
	1		D.	w.		Other Expenditure. Overlooker 1/70				0	70		Overlookers.
	1		**		••••••	Pen Attendant 1/40		0	40				
••••	2		,,		•	Pasture Boys 2/25	•••••	0	50	0	90		Stockkeepers.
	1		,,			Nurse 1 /20				0	20		Children's Nurse.
	2	.	,,			Cutting Litter 2/30.		0	60				
	7	5 Mules	,,,			Carting Litter 1/20, 3/40, 3/25		2	15	2	75		Making Pen Manure.

(Union Hall Estate

THURSDAY 15TH DECEMBER 1927

SUGAR COST ACCOUNTS.

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		C	utting Pla	ants.		· · · -	of Sui R 39 M		AD.		PL	ANTI	NG.			
	Date	No. of		No. of				D	AY.		Fortn	ight	Mor		Estin	note
1	927.	Field.	Workers.	Animals.	Task.		Amou	int.	Tot	al.					Lotin	nate.
Dec.,	12		10		т		3	00	3	00						
	13		6		,,	••••••	2	50	2	50						1
•••••••	14		7		**		2	80	2	80						
	15	•••••	9		**		3	50	3	50						
•••••	16		12	 	,,		4	55	4	55	16	35				
<u> </u>		<u>l</u>	1		J	l •^	•		•	ļ 	!	! !		1 1	 	

APPENDIX 5A .--- DETAIL SHEET .--- (White Paper.)

APPENDIX 5B.-DETAIL SHEET.-(White Paper.)

BACK OF SUB-HEAD.

			Task.									D	AU	LY	E,	ARM	IN	GS.						
Date.		Size.	Rate.	No. of Tasks worked.	10 cts.	-	1	25 cts.	1	35 cts.	40 cts.	45 cts.	50 cts.		(65 cts.		75 cts.		-	90 cts.		\$1.00.	
December	12	100	3 cents.					4	5				1				.							
	13	do.	do.		••]•••				•••••	••••	5		1	' 										
•••••	14	do.	do.						1	 2	4		1											
••••••	15	do.	do.				1				7	(1											
•••••	16	do.	do.				1		1		8		1											'

APPENDIX 6.—SUB-HEAD TOTAL SHEET.--(Blue Paper.)

PLANTING.

FIELD NO. R 39.---SEC. M.

	1		1	1	1	1	<u>, , , , , , , , , , , , , , , , , , , </u>	1	
Date.	Particulars.	Details.	Total.	Total.	Date.	Particulars.	Details.	Total.	Total.
Dec., 23	Cutting Plants	16 35				Brought forward			
	Planting	16 00	32 35			-			

FIELD NO. R 39	E.	ACRES	{	Total Ltivated	17. 0. (7. 0.	-	Plant: M		Age Secti	0 N		R	ETRENCH	SECTION	N.	
FIELD NO: N 00		- <u>,</u>			<u> </u>											·
Fort- night Para i ending. Grass. La	ig Plough-		Ridg-		ing Mant-	Pen anur- ing.	DTess-	Drain- ing.	Weed- ing.	Fork- ing.	App'g Art. Manure.	Reap- ing.	Total	Credits.	Net Total.	Cost Per Acre.
Dec. 23 3	20			16 35	32 35		1 40	90				•••••	54 20		54 20	7 74
			••••••				••••••									
UNION HALL ESTATE FIELD NO. R 39. Class of Soil				Black.	<u></u>			To	tal 1	7 0. 09	· …		ENCH SE		ts 1929.	
			••••			İ	Acres						• •			
Undulating or Flat				Undulat	ing.			(Cu	ltivated	7 0. 00			• •	M Se	ction.	
How Planted	···· ·						Age w	hen rea	ped		• •••				. Per 2	Acre.
Variety			••••	B.H. 10	(12).			(E	timated							
			•	Decemb	er, 1927.		Tons	1								
Date Planted	••••						10110	Ĩ.								
Date Planted Artificial Manure Per Acr							10110	(A	ctual			• ••	. .			
	e	···· ···		·····				(A	ctual Comme							
Artificial Manure Per Acr	e			20 Tons	······		Date	Reaped	Comme Finishe	d	 			·· ······		
Artificial Manure Per Acr Date Applied	• •						Date	Reaped	(Comme Finishe	d	 			 		
Artificial Manure Per Acr Date Applied Pen Manure Per Acre	e						Date	Reaped	Comme Finishe ALYSIS : Ine % Su	d	·· ···	· · ···	 	 		
Artificial Manure Per Acr Date Applied Pen Manure Per Acre How Applied	e	···· ···	····· ····				Date	Reaped ICAL AN Ca	Comme Finishe ALYSIS : ine % Su	d	·· ···	· · ··	 	······································		······
Artificial Manure Per Acr Date Applied Pen Manure Per Acre How Applied Burnt Lime Per Acre	3 	···· ··· ···· ···	 				Date	Reaped ICAL AN Ca	Comme Finishe ALYSIS : Ine % Su (E Lice %	d Icrose Brix	 e	· · · · · · · · · · · · · · · · · · ·	 	· · · · · · · · · · · · · · · · · · ·		
Artificial Manure Per Acr Date Applied Pen Manure Per Acre How Applied Burnt Lime Per Acre Date Applied	3 	···· ··· ···· ··· ··· ··	·····				Date	Reaped ICAL AN Ca	Comme Finishe ALYSIS : Ine % Su Lice (E P	d acrose Brix Sucros urity	 e	· · · · · · · · · · · · · · · · · · ·	 	· · · · · · · · · · · · · · · · · · ·		

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					CA	RTINC	; LITT	ER		-			
		No.	No.	No.	Day			DAI	ILY.				
Date.	1	of Field.	of Workers	of Animals.	or Task.		Amou	int.	Tota	1.	Fortnight.	Month.	Estimate.
December	10		74	5 2	D.W. do.		2 1	45 30	3	75			
	12		76	5 3	do. do.		2 1	40 85	4	25			
	13		75	5 3	do. do.		2 1	55 55	1	10			
	14		75	5 3	do. do.		2 1	55 60	4	15			
	16		6 7	5 5	do. do.		1 2	90 45	4				
••••••													
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						•]••••••							
				••••••			•••••	 					
													•••••
						•							••••••

APPENDIX 8A,---SUB-HEAD DETAIL SHEET IN EXPENDITURE LEDGER.---(White paper.)

APPENDIX 8B .-- SUB HEAD DETAIL SHEET IN EXPENDITURE LEDGER.-- (White Paper.)

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DATE.			TASK.									D) AI	LY	E.	AR	NIN	GS.						
		Size.	Rate.	No. of Tasks worked.	10 cts.					35 cts.		45 cts.	50 cts.	55 cts.	60 cts.	65 cts.	70 cts.	75 cts.	80 cts.	85 ctc.	90 cts.	95 cts.	\$1.00	
December	10					1		22			3 2				1		1				ŀ			
	12				1			2 3	1		3 2				1	 			! -	 				
	13						1	3 1	1		3 2			 	 1									
••••••	14							3 2	1		3 2			••••	1					' 				
••••••••	15			· · · · · · · · · · · · · · · · · · ·			1	3 1	1		3													••••

APPENDIX 9.-CONTROL SHEET IN EXPENDITURE LEDGER.-(Pink Paper.)

Forti	1ight		Lo	CAL	Acco	UNT (Colu	MN.	In	ter-										
endi 192			Wa	ges.	Ca e xp	ish end.	Tot	al.	Est Acc	ate ts.		don cts.	Tot	tal.	Crea	liis.	Tot	let tal.	Esti	mate
Dec.	23	Cutting Litter	27	55					ĺ											
••••••		Carting Litter	47	10																•••••
•••••		Collecting Litter	3	20			•••••										•••••			•••••
••••••		Cleaning Pens	5	20			•••••			•••••		·					••••••			
••••••		Heading Bedding	20	65							•••••									
•••••••		Littering Pens		95		•••••	104	65		•••••			104	65			104	65		•••••

Entry for wage Expenditure on Making Pen Manure.

APPENDIX 10.-DETAIL SHEET FOR CASH EXPENDITURE OTHER THAN WAGES,

PURCHASE OF FODDER,

LOCAL ACCOUNT,

..... Fortnight. Month. 11 Geo. F. Huggins & Co., Ltd. Nov. 57[°] 60 12 Bags Oats at \$4.75 •••• ... _____ ••••• 00 67 00 10 5 Bags C.Nut Meal at \$2.00 ••• _ 25 Geo. F. Huggins & Co., Ltd. 5 Bags Oilmeal at \$3.70 Nov. 18 50 -21 88 50 00 50 3 51 Bags Fine Salt at 60 cts. ••••

N.B.-This form used for :-Local Accounts ; Inter-Estate Accounts ; London Accounts.

APPENDIX	11.—CONTROL SH	EET IN EXPENDITURE	LEDGER(Pink Paper.)
	Entry for Cash	Expendutire on Purchase	of Fodder.

Fort	night		LOCAL	Acco	UNT (Colu	MN.		ter	Lor	ndon					N	et	.	
end 192	ing		Wages.	C: exp	ash end.	To	tal.	Est A' d			ounts	1 01	al.	Cre	dits.	To		Esti	imate
Nov.	11	G. F. H. & Co.		67	00														}
	25	Do.		21	50	88	50					88	50			88	50		

APPENDIX 12.

List of Control Headings in Expenditure Ledger. Those marked * also appear in Field Ledger.

Cultivation :

- Overlookers.
- * Burying Trash.
- * Stubble Shaving.
- Subsoiling (Fork).
- Subsoil Ploughing.
- * Fork Ploughing.
- * Tractor Ploughing.
- * Harrowing.
- Round Ridging.
- Draining.
- * Planting.
- * Supplying with Stools.
- Do. do. Plants.
- * Handweeding.
- Hoeing with Implements.
- Fork Moulding.
- Stripping Canes.
- * Hauling Trash.
- * Digging Para grass. Making Pen Manure N.B.-Charged to fields Carting Town Manure proportionately at end Purchase of Lime. of year. Purchase of Artificial Manure.
- * Applying Pen and Town Manure.
- Applying Lime.
- Applying Artificial Manure.
- Clearing Pastures and Traces.
- * Destroying Froghoppers and Pests.
- * Green Dressing.
- * Cutting Cane.
- * Carting Cane.
- * Heading Cane.
- Picking Cane.
- * Loading Cane.
- Carrying Water.
- Working Derricks.
- Working Scales.
- New Derricks and Repairs.
- New Scales and Repairs.
- Purchase of Implements and Repairs.

Destroying Mongoose.

Nurseries.

Experimental Plots.

Stocks, &.c.

Purchase of Horses, Do. Mules. Do. Cattle. Do. Fodder. Forage. Grooms. Sto kkeepers. Curry Combs, Brushes, &c. Building and Repairing Stables. Do. do. Carts.

- Stocks, &c.-Continued, Harness. Farrier. Medicines. Silo Buildings and Repairs. Maintenance and Taxes : Rates, Taxes and Insurance.
- Building Dwellings. Repairing Dwellings. Building Barracks. Repairing Barracks. New Buildings. Repairing Buildings. Land and House Rents. Water Supply. Latrines. Roads. Cleaning Yards.
- Staff, &c.
 - Manager. Overseers. Office Watchmen and Messengers.

Miscellaneous.

Rations and Advances to Labourers. Tools for Labourers. Travelling Expenses. Lighterage of Goods. Legal Expenses. Stamps and Stationery. Childrens' Nurses. Petty Expenses. Outside Jobs.

Farmers.

Purchase of Estate Farmers' Canes. Do. Outside do. do. Working Scales and Derricks. New Derricks and Repairs. Do. Scales and do. Cane Weighers and Attendants. Reaping Farmers' Canes. Cutting Plants, &c., for Farmers. Supplying Water. Stationery. Roads. Overlookers. Petty Expenses. Grooms. Nurseries.

APPENDIX 13 .- FACTORY WAGES DAILY ABSTRACT .- (Russet Coloured paper.)

	No. of Lab.	DESCRIPTION OF WORK. (State exactly work done)	Detail.	Total.	Total.	WHERE CHARGEABLE. (State heading in Ledger.)
	4	Firing B. & W. Boilers 2/90, 1/85,1/80 Attending B. & W. Conveyors 1/1.20, 1/1.10 1/50	3 45 2 70		6 15	B. & W. Boilers R.
	6h 3h	Turning up Valves for No. 2 B Do. Shaft B. & W. Rotary Feeders	:	77 38	1 15	Boilers, &c. M.
	1	Repg. No. 1 Limed Juice Pump Do. Juice Heaters		70 45		
	2	Do. Liming Tanks 1/1.20, 1/45 Do. Mud Tanks		1 65 80	2 80	Liming and J/Heating M.
	1 2 1	Do. Subsiders Do. Filter Presses 1/1.00, 1/50 Do. No. 1 Sum Dung		70 1 50 90	1 50	Clarifiers M.
	1	Do. No. 1 Filtered Juice Pump		1 20	3 60	Filter Presses, &c.
	3 1 1	Do. Quadruples 1/1.20, 1/1.00,1/50 Do. Callandria Pumps Do. Rotary Juice Pump		$ \begin{array}{c cccccccccccccccccccccccccccccccc$	4 75	Quadruples.
	1	Do. No. 1 Vacuum Pan Do. 2 do		80 1 00		
		Do. 3 do Overhauling Vacuum Pumps		1 50 1 20	4 50	Vacuum Pans.
Miscellaneous	26 1					
	27				24 45	

Saturday, 11th January, 1928.

APPENDIX 14.--FACTORY WORKMAN'S TIME SHEET.--(White paper.)

Filled in Daily by Workman initialled by Foreman and Engineer and Turned into Time Office.

_

USINE STE. MA	DELEINE.	
'orkman's Name : J. Carter	DATE 11t	h February, 1928.
No. 641.	Trad	E: Turner.
Turning Valve for No. 2 B. & W. Boiler from 7 to 11	1 a.m. and from 12 to 2 p.m	6 hours.
Turning Shaft for B. & W. Rotary Feeders 2 to 5		3 hours.

APPENDIX 15.-FACTORY WEEKLY TIME SHEET.--(White Paper.)

	TIME	SHE	ET.							
	U.S.MENGI	NEERIN	IG DEP.	ARTMEN	IT.					
	WORKMAN'S NAME		•••••		RAT	E PER	DAY \$1.	15.		
	WEEK ENDING	17тн	FEBRUA	ARY, 19	28.					
		Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Co	ST.
41	Turning Valve for No. 2B. & W. Boiler	6							0	77
•••••	Turning Shaft for B. & W. Rotary Feeders	3	•••••						0	38
	Boring Magor Truck Wheels		5			•••••		• • • • • • • • • • • • • • • • • • • •	0	64
	Turning up Bearing for No. 3 Engine (East)		5					•••••	0	64
	Do. Cart Axles for W/Ville Estate	••••••		9				•••••	1	15
	Do. Shaft for No. 1 East Maceration Pump		•••••		9	••••••••		•••••	1	15
	Do. do. Boiler Feed Pump					5			0	64
	Do. do. No. 1 East Maceration Pump	••••••				4			0	51
	Boring Magor Truck Wheels		•••••			•••••	9	••••	1	15
	Turning Ring for No. 2 West Hydraulics					•••••		9	1	15
									\$8	18

Copied from Workman's Daily Time Sheets by Timekeeper.

APPENDIX 16.-SUB-HEAD TOTAL SHEET FOR FACTORY RUNNING COSTS.-(Pink Paper.)

1 1 1 1

BOILERS FURNACES AND CHIMNEYS.

RUNNING.

Dat	te.		Labo	ou r .	Mater	ial.	Cash. Expendit	ure.	Int Esta Accou	tes	Lond Charg	on es.	Тот	AL,
Feb.	17	B. & W. Boilers	. 34	5	6	95	10	co	20	00				
••••		Megass Conveyor	24	00									95	00
••••			1											

APPENDIX 17.-SUB-HEAD DETAIL SHEET FOR FACTORY RUNNING EXPENSES.-(White Paper.)

FIRING B. AND W. BOILERS.

Date.	Labo	Labour,		al.	Cash Expenditure.	Inter- Estate Accour	es nts.	Londor Charges	TOTAL.
Feb. 11	3	45						1	
13	5	10					•••••		••••
14	5	10		••••••					•••••
15	5	10		•••••					•••••
16	5	10							
17 •	5	10							

APPENDIX 18.-SUB-HEAD TOTAL SHEET FOR FACTORY MAINTENANCE EXPENSES.-(Blue Paper.)

BOILERS, FURNACES AND CHIMNEYS.

MAINTENANCE.

Date.		Labo	our.	Mate	rial.	Cash Expenditure.	Inter- Estates Accounts.	London Accounts.	Total.
Feb. 11	Rep. B. & W. Boilers	6	52	36	98				
	Rep. Rotary Feeders	4	58						
	Rep. B & W. Feed Tanks	4	70						
	Rep. Steam Range	2	74						
		18	54	36	98.				55 72

APPENDIX 19.---SUB-HEAD DETAIL SHEET FOR FACTORY MAINTENANCE EXPENSES.---(White Paper.) (Same ruling as Appendix 17.)

REPAIRING B. & W. BOILERS.

Dat	e.			Labo	our.	Mate	rial.	Cash Expendit	ure.	Inter- Estate Accoun	e	Lond Accou		Тот	AL.
Feb.	11	•		0	77										
	12	•••••••••••••••••••••••••••••••••••••••	•••••	1	15						•••••				
	13			0	38										
	14	•••••••	•••••	0	77	<i>i</i>					1				•
	15			1	15										
	16	•••••••••••••••••••••••••••••••••••••••		1	15										
	17		••••••	1	15									:	
			-	6	52									6	52

BOILERS	, FURNACES AND CHIMNE	EYS.					-	CONT	rrol	. A/C.	 	
Date.		Labo	Labour.		ial.	Cash Expenditi	ıre.	Usine Esta A/c	tes	Lond Char	 Tota	al.
	Running	78	05	6	95	10	00	20	60		95	00
	Maintenance	18	74	36	98						55	72
		76	79	43	93	10	00	20	00		150	72

APPENDIX 21.-STORES ORDER FORM.

Storekeeper : Please supply and charge to	Job No
17 lb. Round Iron.	
↓ lb. Black Tape.	
1 lb. Nails	
ib. Waste.	
1-§ inch Valve.	
4 Handle Covers.	
oilers DPT. B. & W. Boilers SUB-HEAD.	
Date : 11th February, 1927.	Signature.

APPENDIX 22.-SHEET FROM STORES CHARGE BOOK.

		_						Tota	d.	Runn	ing.	Maint	ce.
Boilers, FURNA B. & 17 lb. Round Iron	W. E	loilers.			0.01		60						
17 ID. Round from		••••	••••		.03 <u>1</u>	0	6 0						
lb , Black Tape					.44	0	22						
1 lb. Nails	•···•		••••		.03	0	03	•••••					
lb. Waste	••••	••••			.09	0	01				•••••		
1-å-inch Valve				••••	1.02	0	86	•••••		•		•••••	
4 Hand Covers B. & W.	 Conv	 gors.	••••		1.61 🛓	6	46	8	18			8	18
6 lb. Crater Compound					.08	0	48						
• •	••••	••••			.83		42				•••••		
1 lb. Waste		••••	••••		09	0	05	0	95	0	95		

SATURDAY, 11TH FEBRUARY, 1928,

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APPENDIX 23.-MAIN HEADINGS OF FACTORY, TRANSPORT, GENERAL AND MEDICAL EXPENI

Running :

Factory : Salaries. Wa'tchmen. Office Boys and Messengers. Weighing Cane. Rakes and Cane Carriers, Mills. Boilers, &c. Liming and Juice Heating. Clarifiers. Filter Presses, &c. Quadruples. Vacuum Pans. Crystallisers and Centrifugals. Condensers. Water Supply. Electric Room. Lighting. Marking, Packing and Delivering. Cleaning Machinery, Yards, &c. Laboratory, Factory Fuel. Handling Supplies. Sugar Bags. Shipping Sugar at Wharf. Molasses. Refinery. Distillery. Workshop.

Rates, Taxes and Insurance. Lighterage and Freight. Travelling Expenses.

Motor Cars. Incidentals.

Transport : Locomotives. Trucks. Line. Fuel. Government Railway Tolls. General : Salaries. Watchmen. Office Boys and Messenger.

Telephone. Produce Tax. Duty. Railway Taxes and Insurance. Exchange and Discount. Telegrams. Stationery and Postages. Travelling Expenses. Grounds. Stables and Grooms. Motor Cars. Legal Expenses. Port-of-Spain Agency. Incidentals. Medical : Salaries,

> Hospital Expenses. Medicines. Motor Cars; &c.

Weighing Cane. Rakes and Cane Carriers. Mills, Boilers, &c. Liming and Juice Heating. Clarifiers. Filter Presses, &c. Quadruples. Vacuum Pans. Crystallisers and Centrifugals. Condensers. Water Supply. Electric Room, Lighting. Marking, Packing and Delivering. Cleaning Machinery, Yards, &c. Laboratory. Factory Fuel.

Maintenance :

Shipping Sugar at Wharf. Molasses. Refinery. Distillery. Workshop. Factory Buildings. Dwellings. Barracks. Sugar Warehouse.

Factory Grounds, Roads and Fencing. Motor Cars. Incidentals.

Locomotives. Trucks. Line.

Government Railway Tolls.

Dwellings. Telephone.

Grounds. Stables and Grooms. Motor Cars.

Incidentals.

Dwellings. Hospital Expenses,

Motor Cars, &c.

APPENDIX 24.-TRUCK TICKETS.

ESTATE TRUCK TICKET-WHITE.

Tons.	Cwt.	Qrs.	Lb.		Estate-La Fortunee.
9	4	0		Gross.	Truck No. 434
3	4	2		Tare.	Date: 24th February, 1928.
5	19	2	<u>. </u>	Nett	Time 4.45 p.m. No. 13274

FARMERS TRUCK TICKET-RED.

	Tons.	Cwt.	Qrs.	Lb.		Estate-La Fortunee.
	10	4	0	-	Gross	• Truck No. 652 •
	3	10	3	·	Tare	Date: 24th February, 1928.
	6	13	1	_	Nett.	Time 5.15 p.m. No. 18643
	<u> </u>					

The Overseer fills in the right hand side and the weights on the left are punched by the automatic weighing machine at the factory. Each Estate is provided with tickets bearing certain serial numbers, so there is no difficulty in tracing the ticket.

APPENDIX 25.-DAILY TRUCK AND WEIGHT LIST.-. White Paper.)

LA FORTUNEE ESTATE.

DATE 24TH FEBRUARY, 1928.

		Es	TATE	CAN	E.							F	ARME	rs C	ANE,				
Truck No.		Gross	•		Tare	•	Ì	Nett	•	Truck No.		Gross	•		Tare	•		Nett.	
	Т.	c.	q.	Т.	c.	q.	Т.	c.	q.		Т.	с.	q.	T.	c.	q.	т.	c.	q
22537	ļ					·				18024	Ì						1		<u> </u>
318	9	0	0	3	2	0	5	18	0	627	9	6	0	3	1	2	6	4	
22834										18643								' 	
5	16	8	0	4	19	1	11	8	3	652	10	4	0	3	10	3	6	13	
••••		' 	 		' 	 					.[[.		• 				 		
		 										 					-		

APPENDIX 26 .- DAILY RETURN OF TRUCKS LOADED. LA FORTUNEE ESTATE.

Fie	LD.	LOADING STATION.	Truck	Ticket	FIELD.		Loading Station.		Truck	Ticket
No.	Sec.		No.	No.	No. Sec.				No.	No.
16B C.	C.	Dickson Siding	48	22536			FARM	ERS.		
			318	37			Mosquito Cr	eek	34	18027
			446	38			Do. d	o.	651	18028
			75	39			Do. d	o	652	18643
			513	40			• • • • • • • • • • • • • • • • • • • •	•••••••		
	••••		39G	41	1			••••••		
			401	42		•		•••••••••••••••••		
34B	D	Pen Siding	426	22550		1		••••••		
			325	52					1	
37	D	Mosquito Siding	434	13274	•••••			•••••		

APPENDIX 27.-CANE TONNAGE ADVICE NOTE.--(White paper.) N.B.-Sent by Factory Cane Checker to Estate daily together with completed truck tickets. 24TH FEBRUARY, 1928.

										TTH L DDF	COARI, I	<i>.</i>
				L.								
No. of Trucks		••••			28	Т. 191	с. 0	զ. 2	8	Т. 59	с. 14	q. 1
Previously	••••	·····	••••	••••	1092	7196	3	0	30	212	19	3
Total to Date		·····	••••	·····	1120	7387	3	2	38	272	14	0
		·····	•••••		•••••			•••••			•••••••	••••••

......Checker.

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APPENDIX 28.—ESTATE REAPING REPORT.—(Blue paper.) REAPING REPORT-LA FORTUNEE ESTATE.

DATE 24TH FEBRUARY, 1928.

Field No.	Total Acreage.	Acreage Reaped. (a).	(a)	Plants or Ratoons.	Age when Reaped.	Tons estimated.	Tons Reaped.		Tons peracre Reaped.	Reaping com- menced.	nleted
L.F. 37	7.3.08	7.3.08	BH10/12	2nd Rations	14 mos.	150	180.60	20	23.2	20 /2 /28	24 2 28
				}		, , ,					
	ļ			 							

(a) If more than one variety give acreage under each except in cases where the varieties are mixed.
(b) If Ratoons state whether 1st; 2nd; 3rd; &c.
(c) Tate when field is finally "picked."
(d) This report is to be made up and sent into the office weekly with the cane return. Fields that are only partly reaped, or for which final weights have not been received, are not to be included.

APPENDIX 29.—RECEIPT FOR FARMERS' CANE.—(White Paper.)

N.B.---Made out in duplicate by Estate Cane Weigher. Original given to Farmer. A separate receipt given for each load delivered.

24 TH FEBRUARY, 1928. Received from			••••		Jos	ерн Јо	NES.	No. 10	3204.
of (District)	••••			••••	Bie	N VEN	UE.		
Canes Weighing Gross	••••	••••	••••	••••			Ťons.	Cwt. 18	Qrs. 2
Tare	••••	••••	••••	••••	•	·		5	1
Nett	••••	••••		••••	••••	••••		13	1
Delivered by		••••		••••			H	arripaul.	.
		STE. MA	DELEINB	Sugar C	со., Ltd.				
			PF	R				Cana W	nia hau
LEDGER FOLIO 42.				•••••				.Cane Wi	eigner.

Weights and amounts are posted from these receipts to the Farmers Ledger daily.

APPENDIX 30.—CANE WEIGHERS DAILY LIST OF TOTAL WEIGHT OF CANE LOADED.—(White paper.)

BIEN VENUE SCALE-LA FORTUNEE ESTATE.

Receipt	Truck	NETT WEIGHT.			Receipt	Truck	NETT WEIGHT.			
No.	No.	Т.	c.	q.	No.	No.	T.	c.	q.	
							1			
••••••				 						
			[
				, , ,			••••••			
				1	B/F					
					Daily Total					
•••••					Fortnightly	Total				
					Crop Total					
			•					••••••		
C/F										

SUMMARY OF CANES RECEIVED ON 24TH FEBRUARY, 1928.

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APPENDIX 31.-CHEMIST'S REPORT.

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Ste. Madeleine Factory.

Run No.....

I.—ANALYTICAL.

				<i>'</i>	This Wcek.		AVERAGE	TO DATE.
						This	Year.	Last Year.
ane	-Sucrose %							
	Fibre %	•••••				••••••	•••••	
							•••••	
			D/					
			••••					
**		Fibre	%					
	**	Moisture	%					
	EAST -	-Sucrose	%					
n	,,	Fibre	0/ /0					
	**	Moisture	%					
	WEST .	-Sucrose	%					
		Fibre	%			•••••		•
······		Moisture	%					-
 uice	CRUSHER			•••••			·····	•
	••••••••					·····		
,,, 			•••••					
» »	Normal	Brix						
<i>,,</i>	**	Sucrose						
		Purity						
,,		Glucose						
·····		Glucose I	Ratio					
 ,,	DILUTED	Brix						
••••		Sucrosc						
		Purity	••••••					
•••••	·						••••••	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
,,		Glucose I	(3110					
,, Lası	r Roll, Averac	e Brix						
		Purity						
" Las:	r Roll, East	Brix						
		Purity						
,, Lasi	Roll, West	Brix			•••••••••••••••••••••••••••••••••••••••			
		Purity						

APPENDIX 31—CHEMIST'S REPORT—Continued.

Ste.	Made	leine	Faci	tory.
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	I.—A	NALYTICAL				
		This Week.	Average to Date.			
· · · · · · · · · · · · · · · · · · ·			This Year	Last Year.		
JUICE CLARIFIED	Purity					
Syrup	Brix		••••••	• • • • • • • • • • • • • • • • • • • •		
	Purity					
1st Massecuite	Brix					
23 F2	Purity					
2nd ,,	Brix					
** **	Purity					
3rd ,,	Brix					
2 2 77	Purity					
Ist Sugar-Y. CRYSTA			-			
,, ,, Washed	— "					
,, ,, 96° Test	— "]		
Molasses 1st	Purity					
,, 2nd	23					
" Final	,, (Apparent)					
37 FF	,, (Gravity)		***************************************			
12 22	Brix		•			
Filter Cake	Sucrose %		••••••••••••••••			
			•••••••••••••••••••••••••••••	*		
•••••••••••••••••••••••••••••••••••••••		······	•••••••			

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CHEMIST'S REPORT For Week ending			0	
II.—STAT	ISTICAL.	1		
	This Week.	TOTAL TO DATE.		
Canes Ground tons		This Year.	Last Year.	
Dilute Juice gallons	••••••			
Do. tons				
Water of Dilution				
Normal Juice "				
Indicated Sucrose				
Available Sucrose (Winters Formula) "				
Sugar, bagged—Y. CRYSTALS tons				
Do. Washed				
Γο. 96° Test				
Do. 2nd " "				
Sugar in process of Manufacture—96° Test "				
Sugar total made and in process ,,				
Final Molasses gallons				
Do. tons			-	
Filter Cake "] 		
Fuel—Oil Consumed ,,				
Do.—Wood	AND LOSSES			
111		Average	TO DATE.	
	This Week.	This Year.	Last Year.	
Mill Extraction, Normal Juice % Cane		1]	
Do. Normal Juice Lost % Cane				
Do. do. % Fibre		***		
Do. Sucrose in Juice % Cane	••••••		••• •••••••••••••••••••••••••••••••••••	
Do. do. lost Megass % Cane			•	
Do Normal galls, per ton of Cane				
Do do do Sugar			•	
Available Sucrose		· ·	••	
Recovery Sucrose—% Cane			ſ	
Recovery Sucrose—% Cane Commercial Sugar—% Indicated Sucrose		1		
Recovery Sucrose—% Cane Commercial Sugar—% Indicated Sucrose Do. % Cane		. 		
Recovery Sucrose—% Cane Commercial Sugar—% Indicated Sucrose Do. % Cane Do. Calculated to 96° test % Cane				
Recovery Sucrose—% Cane Commercial Sugar—% Indicated Sucrose Do. % Cane Do. Calculated to 96° test % Cane				
Recovery Sucrose—% Cane Commercial Sugar—% Indicated Sucrose Do. % Cane Do. Calculated to 96° test % Cane Tons of Cane per ton of Commercial Sugar Sucrose Recovered % Available Sucrose				
Recovery Sucrose—% Cane Commercial Sugar—% Indicated Sucrose Do. % Cane Do. Calculated to 96° test % Cane Fons of Cane per ton of Commercial Sugar			·· [·······	

		IV.—SUCRO	SE BALAN	CE.			· · · · · · · · · · · · · · · · · · ·	
		This	Week.			e to Date.		
		Suc	ROSE.		Year.	Last Year. Sucrose.		
		In Cane.	In Juice.	In Cane.	ROSE.	In Cane.	IOSE.	
Sucrose in Sugars	%						Juic	
,, ,, Molasses	%						••••••	
,, ,, F.P. Cake	%				-			
,, ,, Other Losses								
,, ,, Juice								
,, ,, Megass								
,, ,, Cane	%			l				
		••••••••••••••••••••••••••••••••••••••	LLING.	I	To	DATE.		
		This	Week.	This	Year.	Last Year.		
		East.	WEST.	East.	WEST.	East.	WEST.	
Canes Ground	tons							
Canes per hour	, и							
Fibre	.,							
Grinding Time	hours						**************	
Hours Grinding	**						•••••	
Time Lost—Out of Cane		•••••					•••••••	
Machinery		•••••					••••••	
Chokes	••	••••••	•••••				•••••	
	••						•••••••••••••	
Washing	**						•••••	
Steam	**							
Juice Room	**							
Other Reasons	š ,,							
Total Time Lost							*****	
Time Lost—% Grinding Tin	ne						*******	
Time Grinding % Grinding	Time			•••••			**************	
Sucrose Extraction %	•••••••••••••••••	••••••				••••••		
		Вотн	Mnlls.	Вотн	Mills.	Вотн	MILLS.	
Canes Ground	tons							
Canes per hour	J 2							
Fibre ", "	,,							
Grinding Time, Average	hours							
Hours Grinding "					••••••••••		••••••	
	Cane		•••••					
,, %		·····			•••••		••••••	
<i>יי</i> 70				I				

NOTE. — Totals and Averages to date are for corresponding Nos. of Run. REMARKS on Week's Work :—

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