

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	278	Press	Original.
B.P. No.		Mis.	
Dated	5 - 2	1874.	195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
5th February 1874.*

No. 90. Read the following letter from Lieut.-Colonel J. GODDARD, R.E.,
District Engineer, Presidency, dated 9th October 1873, No. 3,224 :—

ABSTRACT.—Reports upon the state of the scientific instruments in the
Government Mathematical Instrument Department of the General Stores at
Madras.

No. 91. ORDER THEREON, 5th February 1874, No. 278.

ACCOUNT, No. 6.

Mr. DODERET, the Instrument-
maker attached to the Public Works
Stores and Workshops, having brought

to notice that his services are not sufficiently utilized, because scientific instru-
ments are allowed to remain in the districts neglected and disused for want of
repair, memorandum No. 142, dated 15th March 1872, was circulated by the
Chief Engineer, directing all scientific instruments that required repair to be sent,
at the earliest date, to the General Superintendent of Public Works Stores; and
this circular was enforced by a second one, dated 5th February 1873.

2. From the list of instruments repaired from 1st April 1872 to 6th September
1873, submitted by the District Engineer, Presidency, His Excellency the
Governor in Council is pleased to observe the satisfactory manner in which these
orders have been attended to; during the above-mentioned period 491 scientific
instruments have been repaired and returned to the districts for current use, and
701 instruments from the districts have been repaired and returned into store
for safe keeping.

3. A similar statement should be submitted to Government at the close of
each official year by the District Engineer, Presidency; and His Excellency trusts
that all District Officers will be careful for the future not to retain in their posses-
sion unserviceable scientific instruments while the services of a highly-paid
Instrument-maker are retained for the express purpose of maintaining these instru-
ments in an efficient state.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To District Engineers.

To Lieutenant-Colonel R. B. Kennedy.

To the Consulting Architect.

„ Revenue Department.

„ Public do.

„ *Military* do.

Exd. E. C. Shunker.

Spare Copies

List of Instruments received for repair from
1st April 1872 up to 6 September 1873 from D. P. W.

Names of Instruments	Remarks	
Levelling Instruments (Dumpy)	24	10
Do	40	25
Levelling Instruments	42	4
Levelling Staves	109	48
Doddard's Field Glass	1	
Binocular	1	
Circumferenters	14	34
Compasses Prismatic	74	14
Pens drawing	7	47
Theodolites	13	4
Perrambulators	21	7
Barometers	4	3
Thermometers	6	7
Levelling Instruments Troughton	15	3
Compasses Brass	2	26
Thick Skin Cases of Instruments	9	44
Mathematical Instrument Boxes	22	19
Tapes measuring	13	75
Quadrant Gunners	7	1
Barometers Aneroid	3	5
Parallel Rulers Ebony	5	61
Scotches	6	2
Telescopes	3	1
Bubble Glass Tubes	2	
Level of Theodolite	1	
	464	440

N^o 3224

From

Lieut. Col. J. Goodard R.E.

District Engineer, Presidency.

To

Colonel G. W. Walker R.E.

Chief Engineer & Sec. to Govt. D.P.W.

Sir,

In letter N^o 115 of 29th Augt: '73 from the Ag. Under Sec. to Govt D.P.W. I am informed that it appears that the instructions to forward all scientific Instruments which require repair at the earliest date to the Instrument Dept. of the General Stores Madras, have been complied with.

2. I am to ascertain whether Mr. Doderet is now satisfied that the Instruments are not allowed to remain neglected and disused for want of repairs, and I am to report fully on the matter for the information of Government.

3. I am to submit a statement of the Receipts and Issues of all scientific Instruments during the past 5 years.

In obedience to the foregoing, I have the honor to report that Mr. Doderet states that he is not satisfied. He does not think matters have mended.

I enclose a list of Instruments received for repairs from 1st April 1872 up to 6th Sept. 1873 from the P.W. Department alone.

The first column of the statement exhibits Instruments received directly from P.W. Officers by Mr. Doderet for repairs, and by him returned direct to the Officers concerned for present use in the Districts.

The second column exhibits Instruments more or less

Encls^s
2. Statements.

In obedience to Chief
Supp's Memo. N^o 122 of
15th March 1872, and N^o 123
of 5th Feb'y 1873.

P. N. 5529/73.

less unserviceable which have been returned to store, but not to the Instrument Deptt: for the reason that they were unserviceable and superfluous, and likely to remain neglected and disused if retained in the Districts.

These Instruments upon arrival in P.W. Stores, and not Instrument Deptt, were handed over to the Instrument Deptt for repairs, from whence they were again returned to store after rectification, for safe keeping, but not for return to the Districts.

From this it would appear that 491 Instruments were sent direct to the Instrument Deptt for repair in 17 months, and returned to the Districts for current use. During the same period it appears from the 2^d column that 708 unserviceable Instruments have been returned to Madras for safe keeping with a view to avoid neglect and disuse consequent upon retention in the various Districts. It would therefore appear to me that the Chief Engineer's conclusions are correct and that Mr. Doderet's fears are not justified by facts so far as I have been enabled by personal Enquiry and examination in the Instrument Department to elicit the state of affairs.

The statement of Receipts and Issues for 5 years is enclosed pursuant to orders,

I have the honor to be

Sirs,

Your most obedient servant.

Wm. George St. G. P. O.

Frank George
9 Oct 73

District Engineer Presidency.

McClellan

2

P.M. 5529/73

211 90

P.D. 1/3 1864
The Asst. Eng.

May

The Chief Engineer
S.P. 16.

Detail 93 Oct 1873
Recd 108
Sine 21 No 3224

Reports upon the
State of the Scientific Instru-
ments in the Govt. Natl.
Museum. By the Secy.
Stores at Moscow.

Ch 90

No 248-5° Longitude

Index to Catalogue of Books

Electrometrical Instrument Price \$10.00	2	51	1	10	20	104	37	5	79	31	73	125	69
" " " " " "	104	5	7	1	1	110	94	61	7	6	"	105	8
" " " " " "	253	"	110	"	"	100	"	6	13	70	39	87	13
" " " " " "	12	1	4	1	"	61	42	6	"	7	"	29	2
" " " " " "	439	8	2	1	"	100	58	13	12	13	"	100	344
Children Road	74	"	2	"	"	70	1	2	"	2	5	21	
Electricity for Power Plant	50	"	100	"	"	100	15	2	34	"	6	90	60
Electricity for Power Plant	71	"	23	"	"	74	"	13	"	3	10	8	
Electricity for Power Plant	120	"	"	"	"	120	4	10	8	3	2	27	93
Electricity for Power Plant	12	"	"	"	"	12	"	"	"	"	"	"	"
Electricity for Power Plant	358	"	12	12	"	332	52	8	10	6	11	119	233
Electricity for Power Plant	37	"	"	"	"	37	"	1	"	"	1	2	35
Electricity for Power Plant	20	"	"	"	"	20	"	3	1	2	4	10	7
Electricity for Power Plant	20	"	"	"	"	20	"	2	3	"	1	6	20
Electricity for Power Plant	1	"	"	"	"	1	"	"	"	"	"	"	1
Electricity for Power Plant	9	10	"	1	2	27	19	9	1	5	4	23	26

Electricity for Power Plant	1	"	1	"	3	6	2	"	"	1	7	5	1
Electricity for Power Plant	74	"	2	"	1	5	32	8	5	"	3	6	10
Electricity for Power Plant	73	"	"	"	"	73	"	"	1	2	1	4	74
Electricity for Power Plant	53	1	"	1	"	53	10	1	"	"	"	11	44
Electricity for Power Plant	17	"	"	2	"	11	2	"	1	4	1	8	9
Electricity for Power Plant	8	25	"	"	"	26	6	1	2	"	"	9	16
Electricity for Power Plant	11	"	"	"	"	11	3	"	"	1	"	4	7
Electricity for Power Plant	2	"	"	"	"	2	"	1	"	"	"	1	1
Electricity for Power Plant	20	"	5	"	"	21	11	5	"	1	2	19	12
Electricity for Power Plant	48	"	9	"	"	37	9	4	2	1	1	17	20
Electricity for Power Plant	12	"	1	"	"	13	11	2	2	"	1	9	4
Electricity for Power Plant	4	"	"	"	"	4	"	"	"	"	"	"	4
Electricity for Power Plant	20	"	"	"	"	20	1	1	"	"	"	3	17
Electricity for Power Plant	8	11	"	"	"	11	1	"	"	1	"	2	39
Electricity for Power Plant	51	"	"	"	"	51	2	"	"	12	1	15	30
Electricity for Power Plant	17	2	7	13	2	46	10	1	1	12	4	37	8

Rec'd

[illegible]

Deane (Wm) clary
Chatham, 11 to
Hoboken 1873.

H. Manger
Cincinnati, Dec. 27th, 90.

Do you know
 Dr. H. C. C. C. C.
 Dr. H. C. C. C. C.
 Dr. H. C. C. C. C.

[illegible]

Handwritten notes on the left margin of the top page.

Handwritten notes in a box on the left page, including the phrase "done as reqd."

Handwritten notes at the top left of the right page.

No 2787. D.
 Pro. The Madras Govt. Acct
 Read the following
 from the Secy. Presidency (H.E. No 3224 of 9 Oct/73)

Revenue & Public Works Dept. to be advised in the spirit of the instructions.

15/11

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280
 30

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 kind Instrument Maker are
 retained for the express purpose
 of maintaining these Instruments
 in an efficient State =

PK

23rd Dec^r 1873

G.M.W.

Distt Engr ✓
 Dy. Engr ✓
 Cons^r Architect ✓
 Rev^d Dept ✓
 Pub^l Dept ✓
 Mil^y Dept ✓

Desp with S-C 6/2/74

Mr 5529

Govt. of (1874) Madras.

PUBLIC WORKS.

To District Engineers

Dated.

Recd.

Encl. 2

G. O. 5th Feb^y, No. 278.

✓
No. 90491

Instruments. Repairing orders

on letter from the District

Presidency reporting

the number of scientific

instruments repaired by

the Govt. Mathematical

Instrument maker.