

*Proceedings of the Madras Government, Public Works Department,
25th November 1875.*

No. 583. Read the following letter from Captain L. CONWAY-GORDON, R.E.,
Controller of Public Works Accounts, to Major-General G. W. WALKER,
R.E., Secretary to Government, Public Works Department, dated Fort St.
George, 15th November 1875, No. 138 W. :—

IN forwarding the accompanying letter with enclosures from the Government
Mathematical Instrument Maker, received under endorsement, No. 750, of 17th
September 1875, from the General Superintendent, Public Works Stores and Workshops,
I have the honor to request that, as suggested by Mr. Doderet, District Engineers may
be instructed to forward to the Public Works Workshops all scientific instruments
requiring repair.

No. 584. ORDER THEREON, 25th November 1875, No. 3,375.

ACCOUNT, No. 17.

THE attention of District Engineers
will be called to G.O., No. 278, of the 5th
February 1874, impressing on them the

necessity for seeing that scientific instruments are not retained in their districts in an
unserviceable state instead of being forwarded to the Government Instrument Maker
for repair. All such as do not come within the classification of those referred to in
the Government of India Circular communicated under G.O., No. 1,312, dated 29th
April 1868, should be despatched to Mr. Doderet without delay.

2. From the correspondence communicated with the Controller's letter,
No. 138 W, of the 15th instant, there is reason to infer that there is considerable laxity
by Range Officers in the submission to the Controller of the regular half-yearly store
returns, and that officer is requested to call for their punctual despatch.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To District Engineers.
To the Executive Engineer, Wynnad.
„ Controller of Public Works Accounts.

Exd. E. C. Shunkar.
Spare Copies

No 12.

Memorandum

The Return forwarded by the Deputy
Presidency should distinguish the in-
struments received from the Districts from
those received from the Public Works
Stores for repair. It would be desirable
that Mr. Roddett should have access
to the store lists sent half yearly to the
Comptroller showing the serviceable and
unserviceable instruments on charge in
each Range and he should report the same
in an abstract form for reference to the
District Engineer if necessary. The report
should note the ranges which carry
unserviceable instruments on their
ledgers & the nature of the instruments.

Cd
J. W. H. 1875

To the Deputy Presidency

By Order

H. H. H. (H. H. H.)

List of Unserviceable Instruments in the Districts and Ranges

District	Range	Description of Instrument	No.	Condition
Banyan		Color Box No. 200	No. 1	Colors acquired
		Leveling staffs 2	No. 1	Requires figuring paper
		Mathematical Instrument Box No. 1	No. 1	Need new compass bearings
		Box No. 2	No. 2	Compass. Pencils & eraser
B...		Plotting scales 2	No. 1	2 scales missing
		Thermometer standard	No. 2	Unserviceable or replaceable
B...	Borthampore	Color Box No. 200	No. 1	Unserviceable
B...	Calcutta	Prismatic compass with stand No. 100	No. 1	Replaceable
		Leveling staffs 2	No. 2	...
Uzga...		Leveling staffs 2	No. 1	...
B...	Golconda	Leveling staffs 2	No. 1	...
		...	No. 2	...

District

Range.

Description of instrument

of

Vijayapattanam for post branch Cape of Good Hope

No 2

Unserviceable

Vijayapattanam

Color Box large

No 1

Unserviceable

Waltzaffels' scales

Unserviceable

Mathematical instrument No. 1, brass

Unserviceable

Bound 2000 No 2

Unserviceable

Flawed leather binding

Cape of Good Hope

Unserviceable

Unserviceable

Godavari

Unserviceable

Unserviceable

Unserviceable

Unserviceable

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[illegible]

District	Range	Description of Instrument	No	Condition
Malabar	Cochin	Staves & leveling Cape measuring square	No 1 a 1	Repairable Inserviceable
Do	Calicut	Chain measuring tape with compass Compass Prismatic with stand Do Taper Box small with plating leveling. Broken out damaged with stand Mathematical instrument stand Saddle Magnet Cape measuring square	No 1 a 1 a 1 a 1 a 1 a 1 a 1	Inserviceable Repairable Repairable Repairable Inserviceable Do Do
North Canara	Pottor	Mathematical instrument with stand Cape measuring square	No 1 a 6	Out of order Inserviceable
Madura		Chain Brass square Iron square	No 1 a 4	14 feet less Repairable
Do	Madura	Cape square	No 1	Useless
Do	Quindigul	Plotting scales Cutting ruler Pen Box	No 1 a 1 a 1	Scale missing Broken Do
Manuvellly		Cape measuring square Mathematical instrument with stand	No 1 a 2	Inserviceable Do
Do	Manuvellly	Prismatic compass with stand Mathematical instrument with stand Measuring square	No 1 a 1 a 1	Inserviceable Do Do

G. D. D. D.

Govt. Madras Public Works Dept.

Public Works Dept. Madras
16th September 1896

150/100

Mr. 1886/75

1886/75



[Faint, mostly illegible handwritten text, possibly a ledger or account book entry, covering the right page.]

Visit of Unsurmountable Gen Instruments in the Districts and Ranges

District. Range.

Description of specimens of No.

brodiaea

1000

Color Box 2nd pair	1	Enscruploto
Mathematical instrument for pupils	1	Pa
Pen drawing	2	Unscrupable
Enscrupative book passes with plates	3	Pa
Crystal glass in brass	1	Pa
Crystal glass plate	1	Pa
Pa Pa 2nd pair	1	Pa

Atman Vedha

Capex	Debt	Equity	Debt	Equity
100	100	100	100	100

Bellary - 400 peth

Colo Box plant	1	at key
Do. Old covers	2	unserviceable - piece
receiving station and 2000 ft. plant	1	Special order for new
Do. New	1	Reparable
Do. V	1	

Mathematical Instrument' Box. Brass Bound. 1. 69 1. 20

	No.	with flat thin case	1	Unconformable - Ballyporee
Chalk Parallel Every sliding	180		1	Unconformable - Ballyporee
	No.	80	1	Unconformable - Ballyporee

Accounting	2	no
Capital Budgeting Project	2	no
Cost Accounting Project	1	no
Marketing Project	1	no
Research Project	1	no
Writing Project	1	no
Other	1	no
Total	10	no

89 Lytle

Chaco Grasshopper / Project with answer	4	Unrecoverable
Do	On object	1
Do	Do object	2
Do	Do object	1
Paralled Rubber Strip 2 1/2"	1	Do
Large measuring Project	5	Do
Do	Project	1
Do	Object	1
Do	Object	3
		Unrecoverable

Photomachope
Chapman
22 September 1895

22. 10/19/75

F. Bodart

Govt. Grantee. Best maker P. W. A.

PM: 1336/75

List of Unsurmountable ^{Year} of Instruments in the Districts and Ranges

District Range Description of Instrument. of Condition

Chungkingput _____ Color Box 1st Class _____ 1 Incomplete

Bellary _____ Mathematical Instrument Box 1st Class _____ 1 Old

Public Works Workshop
Chungking 2nd October 1875

214
2-1875

F. P. P. P. P.

Port Matheson 1st Class Box

List of Ranges and Districts from which
no Returns have been received

Ranges

Districts

Berwada Range	Bellary District
Buddapah do	Buddapah do
Bumlaconum do	Bhongloput do
Dumagudum do	Coimbatore do
East Coast Canal do	Malabar do
Godavari Eastern Delta do	Stellere do
Do Western Delta do	Belgherry do
Ghorthy Range	North Arcot do
Hoopett do	South Arcot do
Madras Harbour do	Saugore do
Manargoody do	
Masulpatam do	
Mayaveram do	
Mount do	
Megapalam do	
Stellere Central do	
Do Northern do	
Do Southern do	
Do Permanent do	
Saugore Range	

C. H. Workshops
16th September 1875

H. P. D. R.
Govt. Math. Instr. Maker. Prod.

11/9/75

11/9/75

123/35

Public Works Workshops.

Chennai 16th September 1878

To

The General Superintendent
Public Works Workshops
Madras

Sir,

With reference to your
endorsement No. 5 dated 27th May
1875, communicating Memo No. 12
dated 19th May 1875 from the Under
Secretary to Government, Public
Works Department, I have the
honor to state that I have availed
myself of the permission granted
to have access to the Store Lists
sent half yearly to the Comptroller,
showing the Serviceable and
Unserviceable Instruments in
charge in each Range, and beg
to append a statement of the
Ranges and Districts from which
no Returns have been received.

In the Abstract Statement
herewith submitted, a list of
the Unserviceable Instruments
in the Ranges and Districts from
which Returns have been received.

Mr. 123/35

Recd
20th - 25th / 75

List of instruments received and
despatched by the Mathematical Instrument
maker Geo. J. repaired, cleaned and adjusted
from 1st April 1874 to 31st March 1875

Names of Instruments	Total		
	Phil and Dept.	Other	Total Remarks
Argand Signal Lamps	"	6	6
Barometers Aneroid	11	9	20
Do Marine	"	1	1
Do Mountain	"	1	1
Binoocular	"	1	1
Block	"	1	1
Chronometer	2	"	2
Compass Pocket	1	"	1
Do Prismatic	50	29	79
Do Surveying	1	9	10
Do Comprehensive	11	"	11
Do Proportional	5	"	5
Do Beam	2	"	2
Do Magnetic	10	21	31
Circumferentiars	3	13	16
Girders	"	30	30
Quena	"	1	1
Electro Galvanic Battery	"	1	1
Field Drawing Case	1	"	1
Gradient	"	1	1
Quages Raim	51	28	79
Slide Chasers	21	"	21
Hydrometers	"	12	12
Steleostats	"	13	13
Heliostopes	11	"	11
Link Sweep	"	1	1
Carried over			176 178 354

Forwarded the
instruments which
have been received
and the quantity of
new instruments
for repairs

Forwarded to
Geo. J. Mathews
16th / 75

Forwarded to the
Mathematical
Instrument
maker Geo. J.
16th / 75



M. 1875-Sept
No. 2809.

From J. L. S. 28-
Dist Engineer

Presidency.

C. keep Eng. Memo. 12
Cali. 27th April 1875

Presid. 29th —

2.1.5 22 476.

Submitting from Genl.

Superintendent - 1874.

Workshops, bil of Instru.

- Instrs received & despatched

by the Mathematical

Instrument Maker. P.

R. D. from 1st April 1874

15 31st March 1875 -

G.O. No 3375. 25. 11. 75

Recd
20-4-75
1875

PRESIDENCY WORKSHOPS, D. P. W.,
Chennai, Madras, 19 April 1875.

No. 234

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS AND STORES,

To

The District Engineer
Presidency
Fort Saint George.

Sir,

In obedience to G.O. Dated 5th
February 1874, No. 278 I have the honor
to forward for submission to
Government a Statement of Scientific
Instrument received during
the years 1871-75 for repair which
have been put in thorough work-
ing order and returned to the
Department concerned.

I have the honor to be

Sir

Your most Obedt Servant

J. N. Mariner

Genl. Sup. P.W. Workshops & Stores

At Eng. Presid.
Recd. 29.5.1875
7 February 1874

From THE CONTROLLER,
PUBLIC WORKS ACCOUNTS,

To The Chief Engineer,
Department Public Works,
FORT SAINT GEORGE, 15th November 1875.

5

Sir,
In forwarding the accompanying
letter with enclosures from the Government
Mathematical Instruments Maker received
under Endorsement No 750 of 17th Sep-
tember 1875 from the General Superintendent,
Public Works Stores and Workshops, I have
the honor to request that, as suggested
by Mr. Dodart, District Engineer
may be instructed to forward to the Public
Works Workshops all scientific instru-
ments requiring repair.

I have the honor to be,
Sir,
Your Most Obedient Servant,

London
Controller of P. W. Accounts
J. E. D. M.

Noted & forwarded
to the Chief Engineer
15th Nov 1875
J. E. D.

Submitted to the Chief Engineer and Controller
of P. W. Accounts
15th Nov 1875
with reference to para 3 of G.O.

From The General Superintendent,
P. W. Workshops,
Fort of St. George
To The District Engineer
Presidency
Fort of St. George
Dated 19th Sept 1875
Received
Enclosures 1
No 234
Forwarded for forwarding
to the Government
of St. George
during the year 1875
for repair

Q829 April 1875 No 564-565
Memo. No 1385-7 Feb 1875
Q85 Feb 1875 No 90-91 with Ch 55297
Ch 2879 with copy of Mr. Supt. Memo.
No 128 19 May 1875

P. W. 1875 Dept
No 7326

The Controller of P. W. Works
To

The Chief Engineer
D. P. W.

No 138 W

Dated 15th } November 1875
Recd 16th }
E. S.

Requests that as suggested
by Mr. Dodderet, Dist
Engineers may be instructed
to forward scientific
instruments to the P. W.
Workshops

No 583

G.O. No 3375 25-11-75

No 3375

Proceedings of the Madras Board

Under date the 25th of
Read the following
From the Controller of P. W. Works

The attention of the
Engineers will be called to
No. 138 of the 5th February
1875 in reference to the
necessity for seeing that
scientific instruments are not
retained in their districts in
an unseemable state and
of being forwarded to the
Government Instrument maker
for repair. All such as do
not come within the class
for which of those referred
to in the Government of India
Circular communicated under
No. 138 dated 29 April
1868 should be despatched
to Mr. Dodderet without delay

2. From the correspondence
communicated with the Controller's
letter No 138 W of the 15th Instant
there is reason to infer that
there is considerable laxity
^{by Range Officers}
in the submission to the
Controller of the regular
half yearly stock Returns
by Range Officers and that
Officers is requested to call
for their punctual despatch.

Ans.

Recd: 3-12-75

DT Engrs
Ex: Engrs Lyman
Cont. A. Grace

130
5

7326
2819

U.S. DEPT. OF COMMERCE
BUREAU OF PUBLIC WORKS

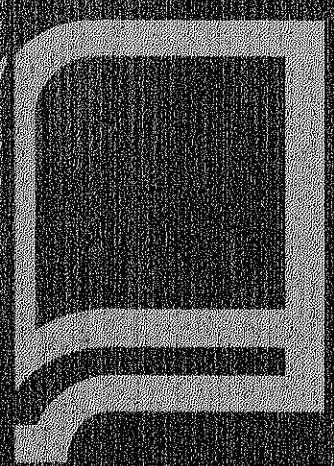
Dist. Engineers

26/11/12

15 Nov. 1912 3375

583 - 584

Instructions. Sending in-
structions for the forwarding
to the post: Mathematical
Instrument Maker for re-
pair, all interchangeable
instruments.



B5

A4