

NAMES OF THE PRINCIPAL VOLCANOS

- | | |
|-----------------------------|---------------|
| 1 Yakeyama | 30 Shari |
| 2 Iwakisan | 31 Oakan |
| 3 Moriyoshisan | 32 Meakan |
| 4 Ganjusan | 33 Yubari |
| 5 Chokaisan | 34 Yatsunai |
| 6 Bandaisan | 35 Shiribetsu |
| 7 Nasutake | 36 Izari |
| 8 Takaharayama | 37 Tarumai |
| 9 Shiranesan | 38 Usu |
| 10 Akagisan | 39 Komagatake |
| 11 Harunasan | 40 Esan |
| 12 Asamayama | 41 Kombui |
| 13 Yakeyama | |
| 14 Mrokosan | |
| 15 Rengesan | |
| 16 Tateyama | |
| 17 Hakusan | |
| 18 Kusatsuyama (Shiranesan) | |
| 19 Yatsugatake | |
| 20 Mitake | |
| 21 Fujiisan | |
| 22 Hakoneyama | |
| 23 Amagisan | |
| 24 Daisen | |
| 25 Unsen | |
| 26 Asosan | |
| 27 Kirishima | |
| 28 Sakurajima | |
| 29 Kaimondake | |

MAP SHEWING THE DISTRIBUTION OF VOLCANIC AND SEISMIC ACTIVITY IN JAPAN



*Circular and elliptical areas indicate origins of Earthquakes
Black dots indicate recent volcanos.
Dotted lines pass through important Earthquake origins.*

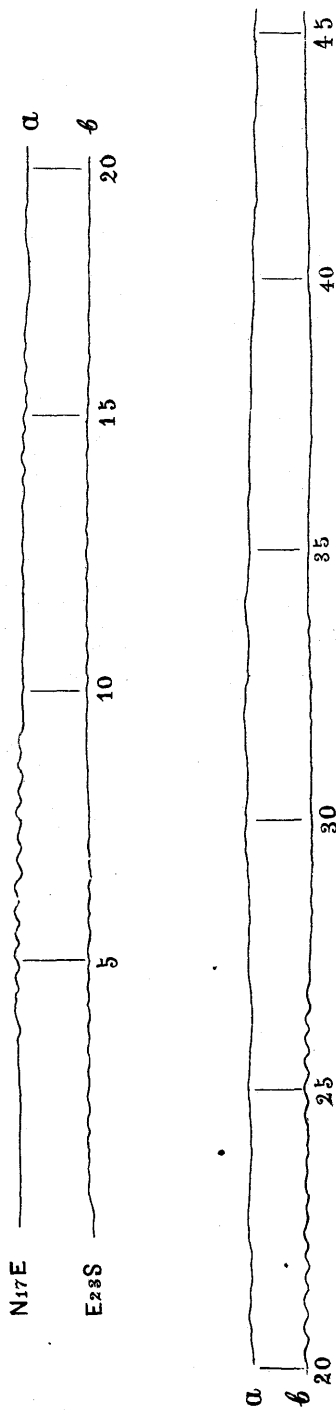


FIG 1 (Conical Pendulums.)

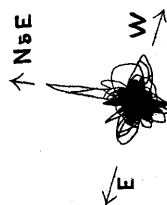


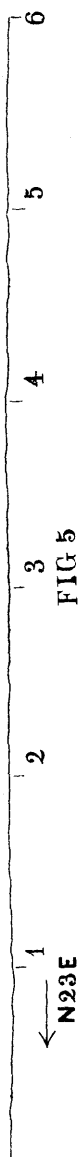
FIG 2



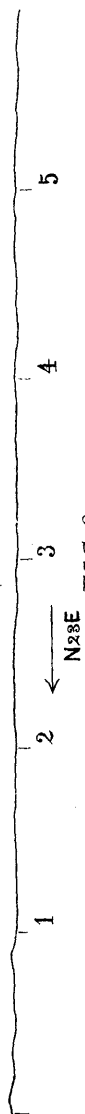
FIG 3



FIG 4



(Bracket.E23Smotion.)



(Double Bracket.)

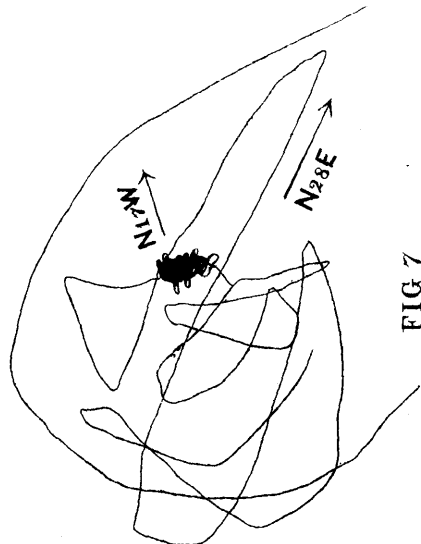


FIG 7



FIG 8



FIG 9

10 seconds

FIG 10

(Conical Pendulums N₇₃W)

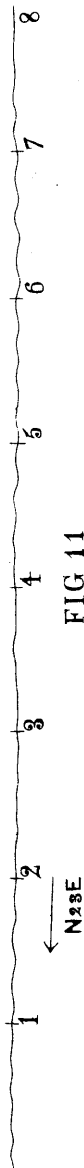


FIG 11

(Double Bracket)



FIG 12



FIG 13



FIG 14

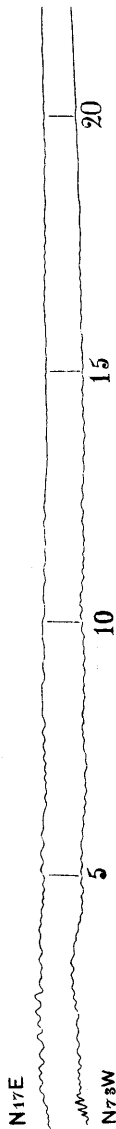


FIG 15

(Conical Pendulums.)

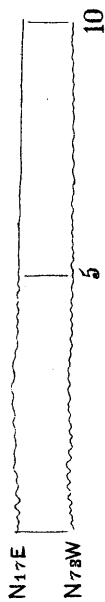


FIG 16
(Conical Pendulums.)



FIG 18



FIG 17
(Rolling Cylinders.)



FIG 20

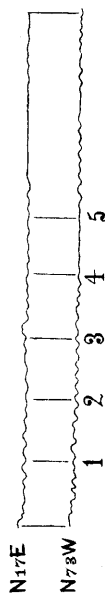


FIG 19
(Conical Pendulums.)



FIG 22

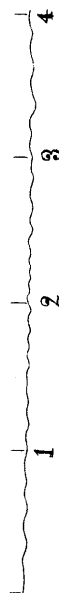


FIG 21
(Vertical Spring.)



FIG 23

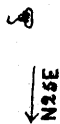


FIG 24

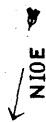


FIG 25



FIG 26
(Rolling Cylinders.)

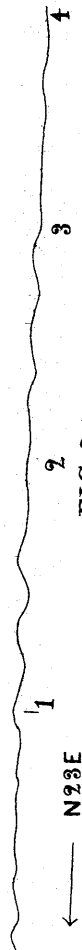


FIG 27
(Double Bracket.)

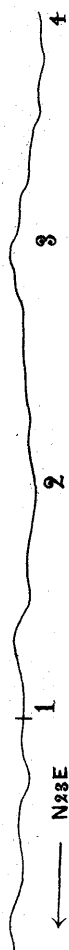


FIG 28
(Pendulum.)

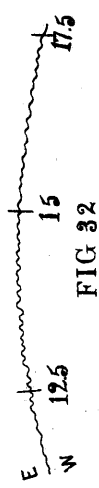
N 86 E



FIG 29

FIG 30

FIG 31



(Bracket Seismograph.)

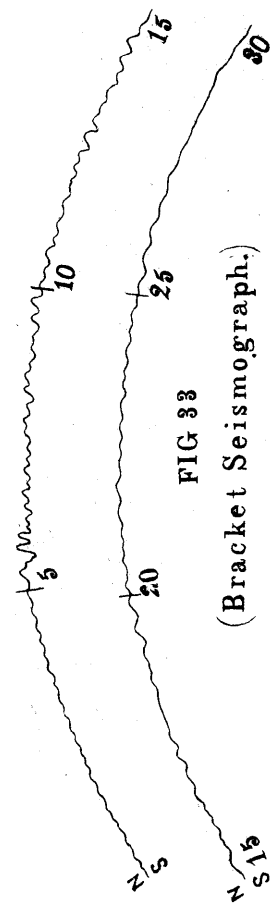


FIG 33

(Bracket Seismograph.)

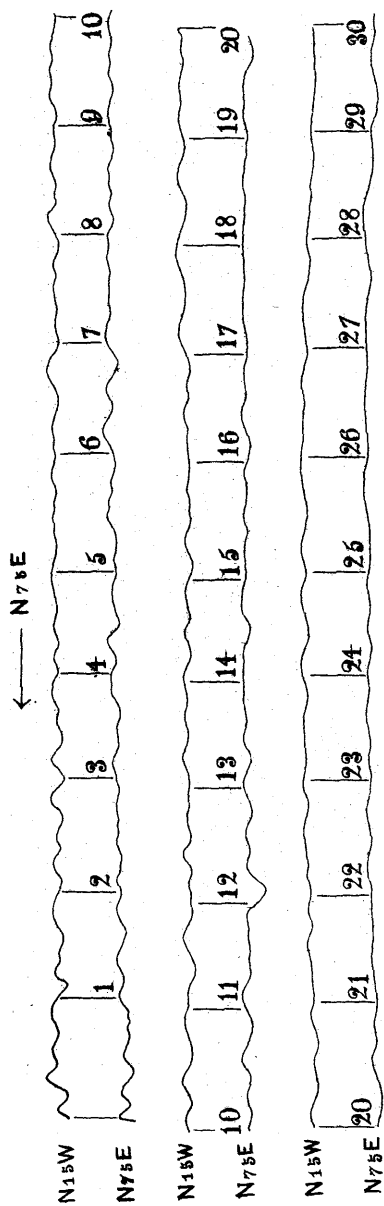


FIG 34

(Bracket Seismograph.)

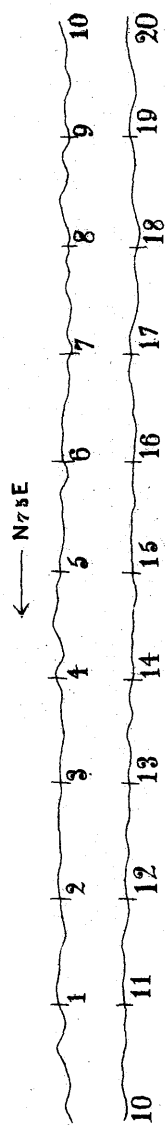


FIG 35

(Pendulum Seismograph.)

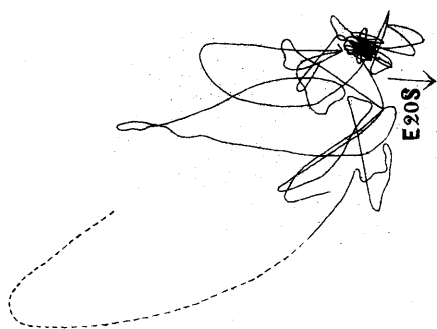


FIG 36

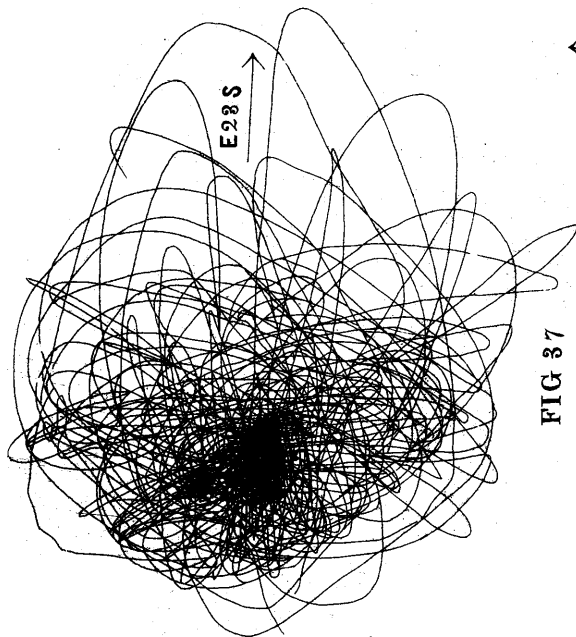


FIG 37

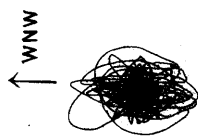


FIG 39

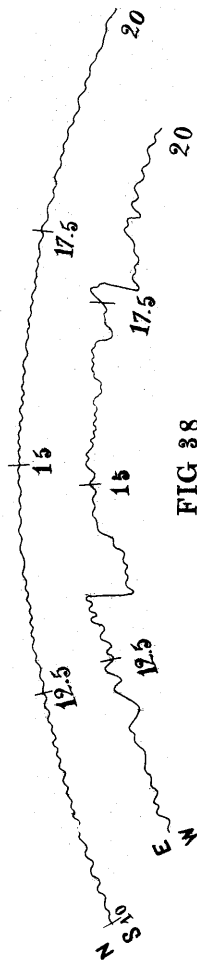


FIG 38

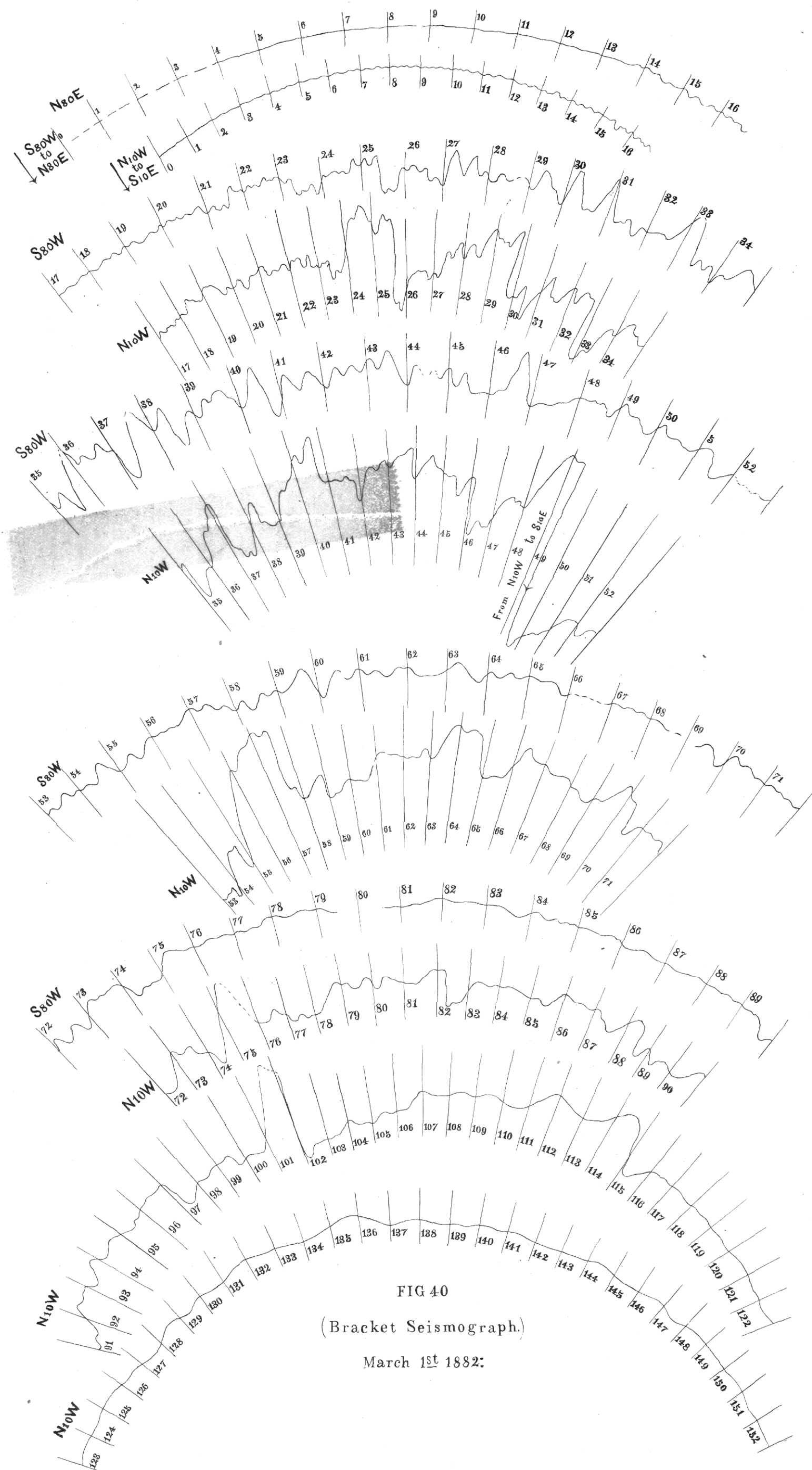


FIG 40
(Bracket Seismograph.)

March 1st 1882:



FIG 41

FIG 42

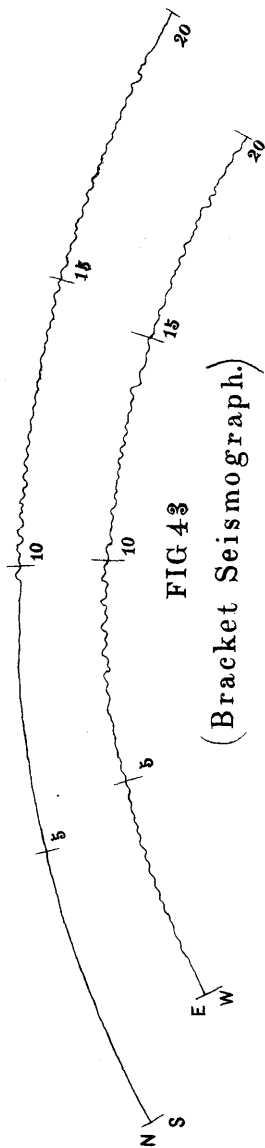


FIG 43

(Bracket Seismograph.)



FIG 44



FIG 45



FIG 46
(Bracket Seismograph.)

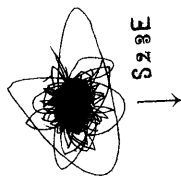


FIG 47



FIG 48

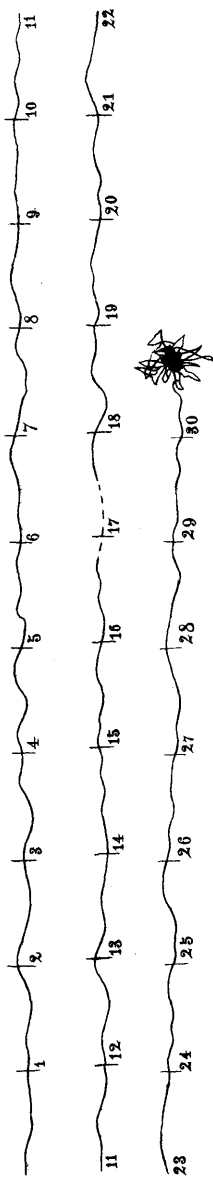


FIG 49
(Pendulum Seismograph.)

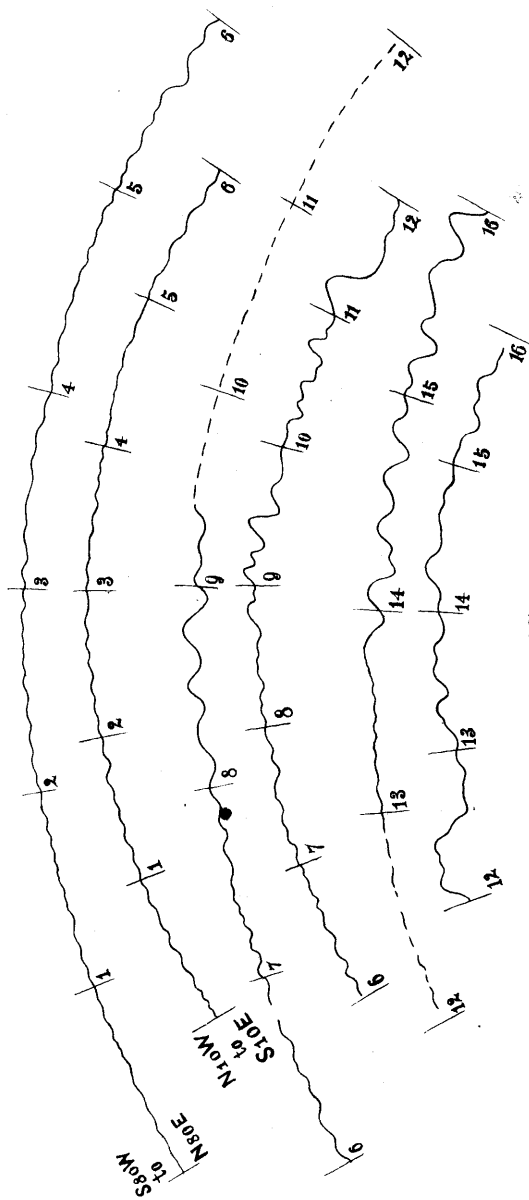


FIG 50



(Bracket Seismograph.)

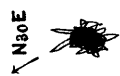
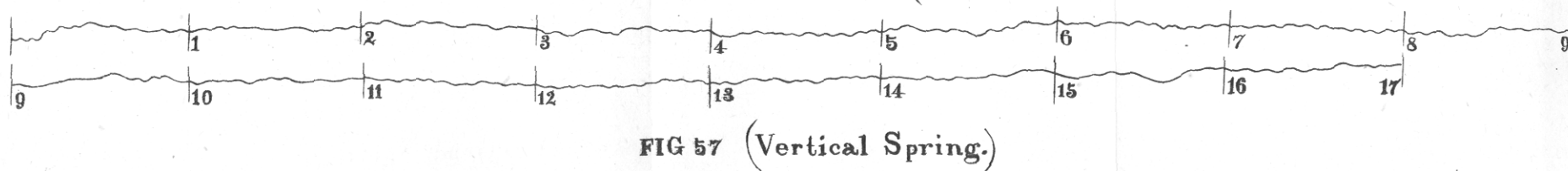
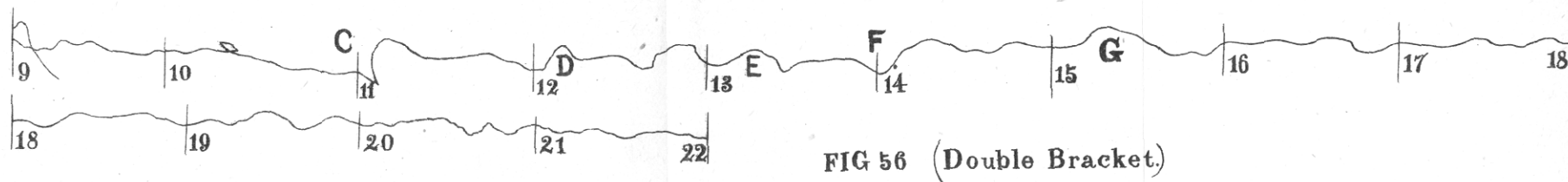
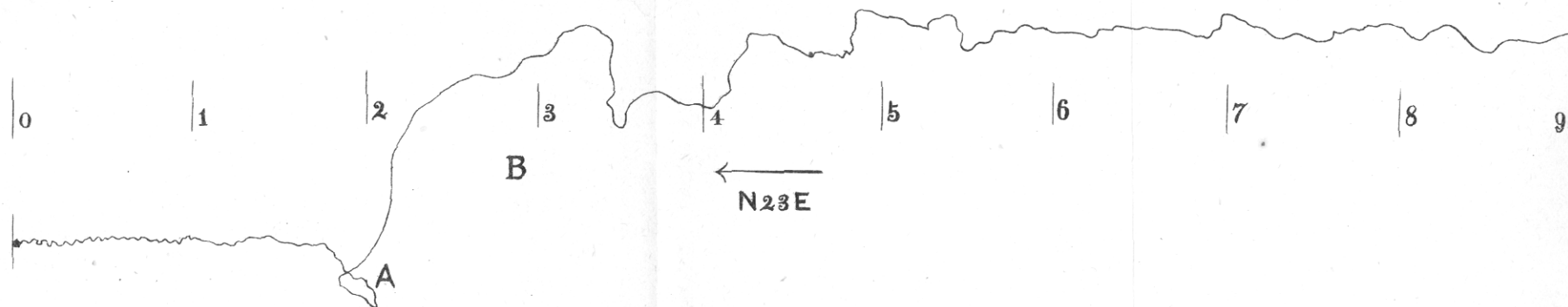
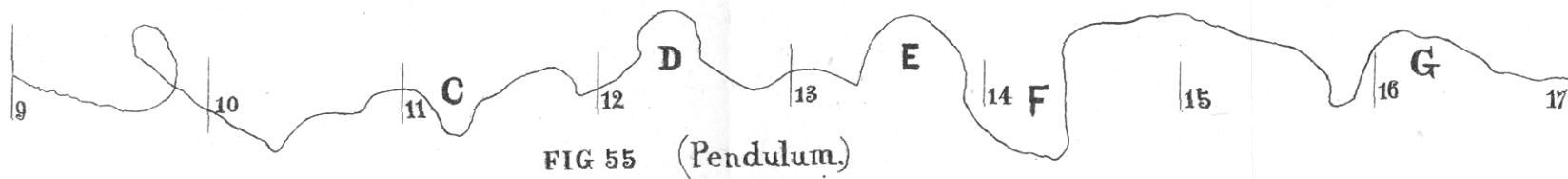
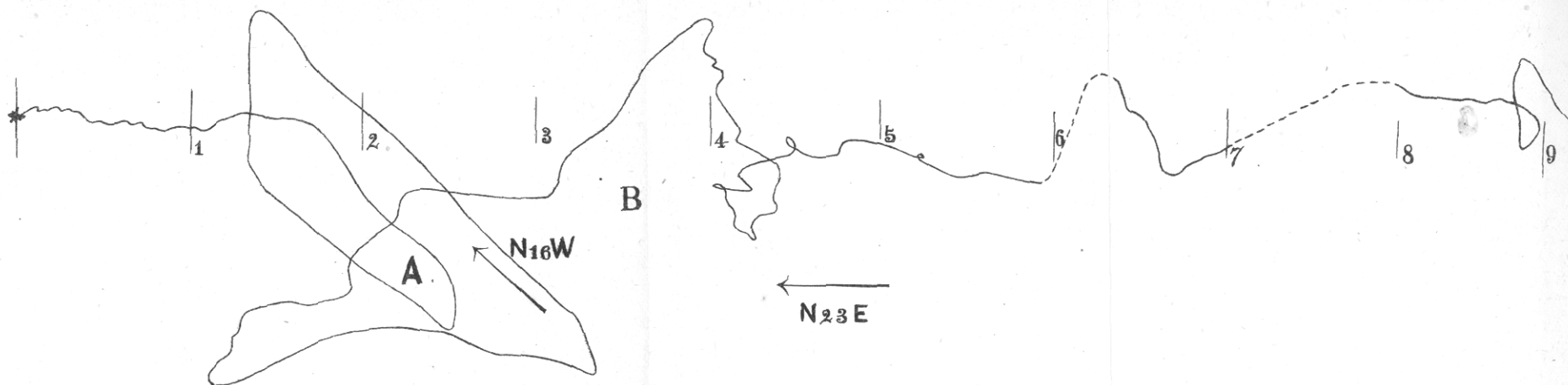


FIG 52

FIG 51



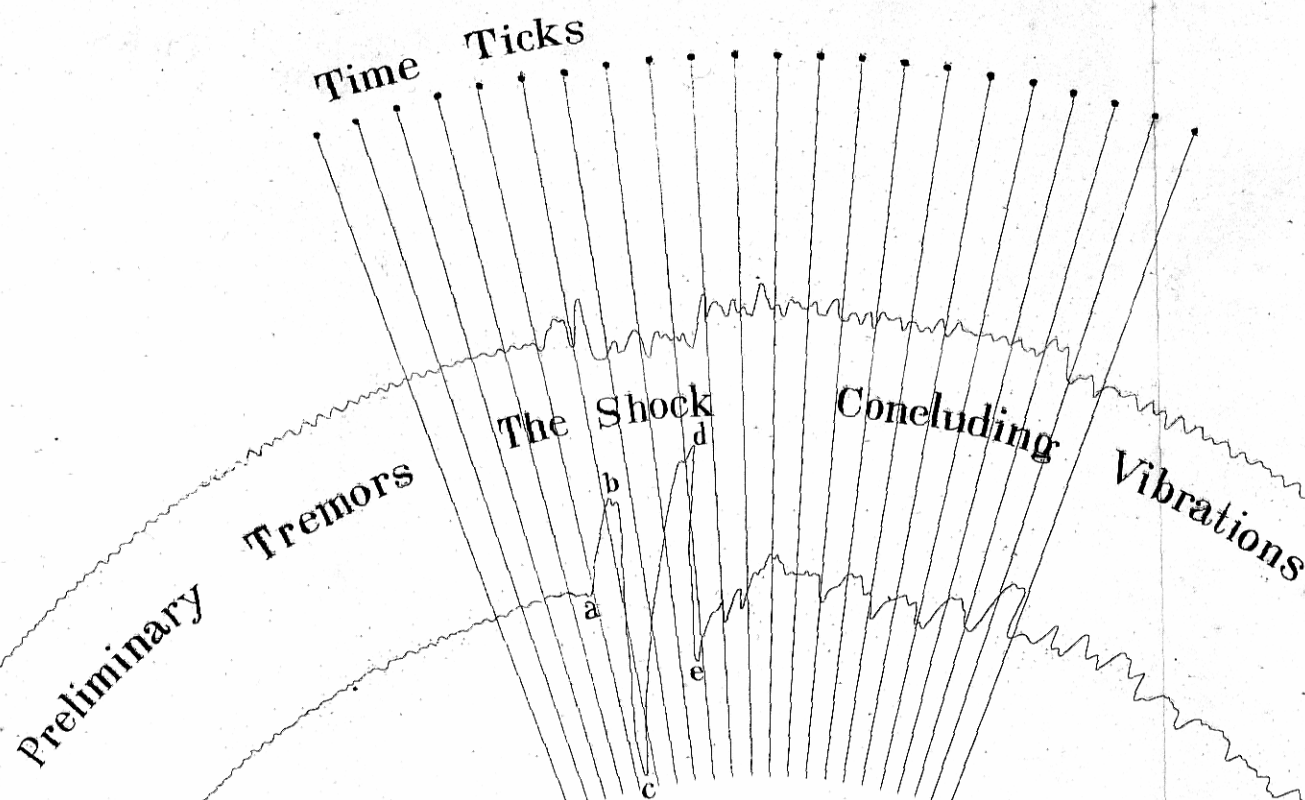


Fig 58

Bracket Seismograph

March 11th 1882

N S W E

The outside arc of black dots are ticks made by a swinging pendulum. By electric connections time was taken from a clock simultaneously with the first tick which was at 7.51.22 pm.
21 ticks = 10 seconds

E W S N

N 50 W

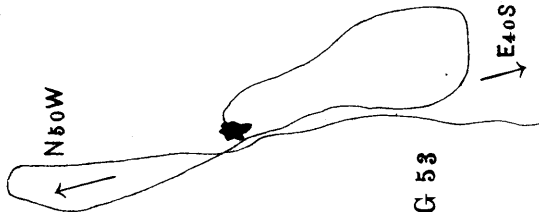


FIG 53



FIG 59



FIG 60

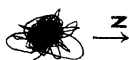


FIG 61



FIG 62

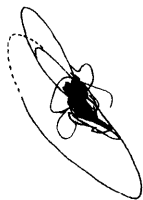


FIG 64

(Rolling Sphere.)



FIG 63

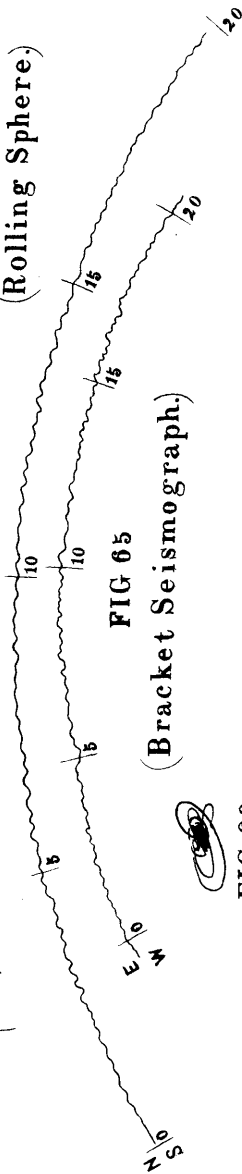


FIG 65

(Bracket Seismograph.)



FIG 66

(Rolling Sphere.)