Herostation 1 Blanchards Balloon Alber Diameth 27 ful weight 102 63 75 M. Blanchard 63 75 Mallart 130 Inflamation at 5 4 110 1/02 Lib Hobe Diam? wiight -Not and Encle Bout and wowdage 75 110 -M. Blanchond -130 Ballart 590000 Suffant ani 5 4

Malmals for und in filling Monthands fait Balloon Vell: ain 6591 Lib from 3500 Lot 10 Double hogehrands That the balloon been mon air light the following would hour suffered -EM: am 4400 Lob hon 2500 weight of the bullians left That 12 og squan foot sums melinde

2. M. Callet at Janelle man Maris proposed to fell a bellon of 30 feel with the following quantity of malerials Well: and - 4764 Let Jon 3050 — Weln 40430 4 ly buden lum of feet in blans and 4 ful in hughet - The Ballon to be fulled et one offenation and in one hom -appendree 12 feet long un) 10 Juchen in Oram? - Refugade of the Same Singe as the other tuns - Connecting turber 9 feet llong how of further in draw?

The find million con balloon launch from the Champer de Mon at Plans was 13 feel in brand weighed with the Mohioch was 2.5 French frommer -Bugen felling on the 23 August and it is as the 27th lufor it would be foundhed its frown of ascenses 35 Lib went 15 Miles - but _ L'int aural voy ng a was frustomed at La Mutte on the 21 Now with, an ranged an balloon Delatude Rozier and the Marquis d'Arlandes 202e al 1,54 -Rught of the machine 72 fut between 16 and 14 humbred frommer

3. The fuit amid boy age hi om molan ballan 1 Ded. 1703 - My Morlingan Robert -- Ballown 27,6 in Diamela - Nel and emd Egeraloural hoofs - Value at teh -Bout made of Basket work o long Touch 70 hours to Browdh - - 4 - 3 - 2 lill - weight - - 130 - weight of the whole offenches and 2 teeromants = 604 Leb Nowon of animal Leady- 20 to = 624 lib = whole Diff. belwest the weight of this Balloon and an equal buth & winin ani - But the weight of wommon air displand by the faz ver compruhe of 771 Let so Phat There remains they let for Infland air, hence = 5 4 lines of Con; and

6. Limandis Balloon. net ween about ? In hallow from the not 45 conds to the small hoof just below the ballon -- Had no valve - the mich month a pear was the apposture through which the maple cow could of the an were effected _ full alove begun in the might withmen till near levo mist day when about 2 of the balloon was felled of Will: D. Findge -

7. Manshards 2 bogage ni Ingla Noo! 30,1784 - along with Mi Typonies - 21 Miles from London O. Sandin Amel Voyage al Oxford 12. Nov. 1784 - 14 Miller in 19 -a rent in the balloon brought il down to soon -9. - Markin boyage Burningham Jany 4 - 1405 - 50 miles in la 10. Blanchand and fufferies Amial Voyage from Eng land to France Jan 17 1705 - Old Balloon Malun Began at 10 and wes Jim when at 123 - apparetus of 14 feet distance from the Cliff in Down could brought within 2 few

of the pringer and at one o dock frushed of - Only 30 lills of ballard_3 Jan 10 hit each Lat 3 reached the Freench Coast - Commelances - Ballow seemed attracted by the water - bottle shock Jels on the car - Balloon vore mon The French would Ballom al Chinten 111.0.1705 11326 weight of the Ballow 10 -Netting and londs Can and hoops -24 -Munder and added hach grapple and cable acionaul 160 Jatha ballas in bags 44+1256 Levely ber assent - 20

Lancher at 1, 200 --allighted. . 3, 20 12 miles - 7 lit ballast rumaming - + 24 lib of Mun orbules Thrown out = 31 - anum again at 3, 30 - and Lander at - 4. 7 before 4 in Pasiton mos 25 meles from fullation 2 Tenns sfed 9. and sf.high Midle Ryfugeratory In the Three lubs weed destrebuter. 2000 lib of vion bornigs, clean am) bright For wary Lit of Bell: employed 4 fints

4 Bottles of Bill: were first from who one of the small befrels - after This had wrought half an how The Mui was charded in like manner Raff om how offer this 4 bottles bone from into the great vight and afterwards 4 more but which means the Calloon was complially inflated all oclock without any further trouble ___ Volat malina Voll; and 16 bothers at \$230, 8 Total malmah 38/4:hon 2000 Let -midents 2 40 Exclusive of the approvatus

M. B. observes that if the Bal-Loon be air light, it bray be in flated by means of the two small but only - and with half the quentity of acid

Dram? Sunface Tolively 5 - 70.54 65.45 113-097 113.097 153.930 179.594 201.062-260.003 254.469 301.704 314-159-523.6 10 452.5 904.0 706.9 1767.1 1256.6 4109. 1963.5 0101. 10306. + 300.9 of Arth 11494 yand bride -2124. 2290. 27. 2463 20 2642 12770 29 2027-14137 30 17157 3217-32

Acubii foot of common on an weight 1.2 owner - consignantly mlland air when from . 12 03 But in quel Balloom it has never been found to exceed selvon equal · 2 or as 6 to 1 14. Aubie inch of own with produce a embie fool of melland ble air -15. Zint is saw sour lo produce notquile so much but more ra. 16. Common Oull: and with five or Dix lines The quantity, by measure, of water, will for Disolver an equal weight of non on Benis. Cavallo -

17. Am og of iron wire francus 412 og measures of air - the quantity wer just the same whether the ache was delected with 12 or 7 times its weight of. 10 Zmith disolver rapidly in both the Vill: and Marine acids, and embels the acid be much dilette generates a considerable heatone og: Zime produces ni either and about 356 og Meanurs of an-A endie food of almosphere an has been found to weigh accurately 554 grs. and to be encuared in buth by every degree on Fohrenhech seals 500 hart of the whole, By hickory a quantity. of an' thurson to 500, its butt will be doubled when the thent olands at 54

ommershed in the same furthorter when 20. hoffamt an is sand to be removered heaven by its papage flow waln 21. The grandely of molland an produced by Steam is to Mal by Well; wow the same quantily 1 non as 1000 lo 000 = quantity from two owners of non lumings 12. By Mean between 3 and 2 more an can be produced throw by Vill. aid — and froduced in left time. — 23. Cost non ammaled by being Refet and had in Chiencal] is greetymore soluble no acids

24 for Johny a bulloon it is better to send in the inflain! an without paping it this water _ 25 The Defiells for filling should be runk Much in the ground Should be should Layen of iron Covinge