

36 TRESCHOW, —Laurvig and Tritzoe, Norway, Manu.—Three iron bars knotted when gold, to exhibit their toughness, &c.

37 KORAA'S COPPER WORKS, Norway, Prod.—Specimens of copper.

38 GARMANN, H. C. Drontheim, Norway, Prod.—Chromate of iron, raw, and purified by stamping and washing.

39 LEEREN MANUFACTORY, Drontheim and Leeren, Norway, Manu.—Bicromate of potash.

40 KONGSBERG MANUFACTORY OF ARMS, Norway.—A musket as made for the soldiers of the Norwegian army.

41 TORSTRUP, —. Christiania, Norway.—Specimens of pearls found on the coast of Norway, collected by the exhibitor.

42 ALNER, ANNA Madlle. Soderhaum, Sweden. — A portrait, in needlework, of Her Majesty the Queen of Great Britain.

44 THIESEN, J. P. Christiania.—Various objects, carved by Norwegian peasantry, in wood, as bucket, coal tub and cover, tobacco and other boxes, jugs, spears, &c.

43 HJULA QUARRY, Christiania and Hjula (Norway).—Stone vase, boxes, &c.

45 ROSENKILDE, Christopher Stadshauptmand (Major), Christiansand, Norway.—Safety spring window, requiring no lines or weights.

100 KULLGRIN, C. A. Uddewalla (Sweden), Manu.—Colossal monument of granite, in form of a cross, cut out of a single block. The stone remarkably fine grained, and exhibited as a sample both of quality, of material, and of workmanship. (See Objects outside the Building, Eastern End, p. 8.)

SWITZERLAND.

(Commissioners in London, Professor BOLLEY and Professor COLLADON, 39 Finsbury Square.)

1 NEUHAUS and BLÖSCH, Bienne, Manu.—Iron wire for making cards.

2 SOCHARD, P. Neuchâtel, Inv. and Manu.—Specimens of chocolate.

3 KEIGEL, F. A. Couvet, Canton of Neuchâtel, Inv. and Manu.—Pivot and depthning tool.

4 ERBRAU, J. Travers, Canton of Neuchâtel, Manu.—Turning, pivoting, depthning, and other tools.

5 JEANNET, F. Locle, Canton of Neuchâtel, Manu.—A rifle, with steel barrel.

6 BANDELIER, P. F. Locle, Canton of Neuchâtel, Inv.—Four watch-springs.

7 IUNOD BROTHERS, Canton of Vaud, Manu.—A repeating watch.

8 GRANDJEAN, H. Locle, Canton of Neuchâtel, Inv. and Manu.—Pocket chronometers. Gold hunting and other watches.

9 DUBOIS, F. W. Locle, Canton of Neuchâtel, Inv. and Manu.—An astronomical clock, with lever escapement. A marine chronometer, on a new calibre.

10 FAVRE-BRAND, F. E., Locle, Canton of Neuchâtel, Manu.—A pocket chronometer, with thermometer.

11 FAVRE-BRAND, A. Locle, Canton of Neuchâtel, Inv. and Manu.—Instrument for determining the epicycloidal curve of the teeth of wheels and pinions.

12 VUILLEMIER, De LA R. Tramelan, Canton of Berne, Manu.—A repeating watch and clock. An eight-day watch. Ladies' and other watches, &c.

13 BOVER, F. Waldenbourg, Canton of Bâle, Inv.—A watch, going one year. A gold watch, *l'épine* movement.

14 RAUS & COLOMB, Chauxdefonds, Canton of Neuchâtel, Manu.—Gold engine-turned watches.

15 MERMOD BROTHERS, Sainte Croix, Canton of Vaud, Manu.—A gold watch, size about one inch, &c. Gold watch

to go eight days. A chronometer. Gold and other watches.

16 DELY, M. Sonvilliers, Canton of Berne, Manu.—Two gold watches.

17 KOPP, H. F. J. Travers, Canton of Neuchâtel, Manu.—A repeating watch, &c.

18 PERRET, A. Brenets, Canton of Neuchâtel, Inv. and Prop.—Improved pocket-clock.

19 BOREL, H. J. Chauxdefonds, Canton of Neuchâtel, Manu.—Two travelling clocks, called imperials.

20 MOSER, F. jun. Bienne, Canton of Berne, Manu.—A gold watch.

21 PERRET & SON, Locle, Canton of Neuchâtel, Manu.—Several watches, in gold and silver cases.

22 AUDEMARS, L. Brassus, Canton of Vaud, Manu.—A watch with two dials, showing the phases of the moon, &c. A clock watch. Repeating watches. A pocket chronometer, and other watches. A pistol.

23 FAVRE, H. A. Locle, Canton of Neuchâtel, Inv. and Manu.—Pocket chronometers. A chronograph for taking the time of observations. Seconds watch.

24 GROSCLAUDE, C. H. Fleurier, Canton of Neuchâtel, Inv. and Manu.—Two open-faced watches.

25 LECOULTRE, A. Sentier, Canton of Vaud and Geneva, Inv. and Manu.—Pocket chronometers. Watch movements and pinions.

26 PAILLARD, E. & A. BROTHERS, Sainte Croix, Canton of Vaud, Manu.—A musical box; mandoline. Musical snuff-boxes.

27 JACCARD BROTHERS, Sainte Croix, Canton of Vaud, Manu.—Musical snuff-boxes.

28 VAUCHER, C. Fleurier, Canton of Neuchâtel, Manu.—A watch, with equations of time, &c.

29 EVARD, E. P. St. Blaise, Canton of Neuchâtel, Manu.—A gold watch.

30 GIRARD, P. Chauxdefonds, Canton of Neuchâtel, Manu.—A travelling clock.

31 BOCK, H. Locle, Canton of Neuchâtel, Manu.—Watches in silver cases.

32 LECOULTRE & SON, Brassus, Canton of Vaud, Manu.—A large musical box.

33 JAKES & SON, St. Croix, Canton of Vaud, Manu.—Musical boxes; mandoline. Other boxes.

34 COURVOISIER, F. Chauxdefonds, Canton of Neuchâtel, Manu.—A gold pocket-chronometer. A gold hunting-watch. Gold watches of various descriptions.

35 BOVER & Co. Neuchâtel, Manu.—Cylinder prints. Handkerchiefs, jacenots, dress and furniture prints.

36 VAUCHER, DU PASQUIER & Co. Cortailod, Canton of Neuchâtel, Manu.—Cotton prints, jacenots and muslins. (Agent, G. Bahud, 20 Bread Street, City.)

37 BOREL, BOVER, & Co. Neuchâtel, Inv. and Manu.—Mixed fabrics of thread and wool, &c.

38 JEANNERET BROTHERS, Neuchâtel, Inv. and Manu.—Basket. Hats and caps. Ladies' bonnets, &c.

39 PERRET, CHARLOTTE, Locle, Canton of Neuchâtel, Manu.—A piece of wide lace.

40 BESSON, A. D. Couvet, Canton of Neuchâtel, Manu.—White blonde.

41 MATHEY & SON, Locle, Canton of Neuchâtel, Manu.—A cylinder of rolled steel, for watch springs.

42 SCHNEITER, J. D. Tavannes, Canton of Berne, Inv. and Prod.—Map of Switzerland in relief.

43 DUBOIS, A. Chauxdefonds, Neuchâtel, Des. and Eng.—Gold plate, exhibiting ornamental designs for watch-making, jewellery, &c.

44 PATTON, J. Chauxdefonds, Neuchâtel, Artist.—A gold plate, exhibiting letter-engraving in a new style.

45 KUNDELT, F. Chauxdefonds, Neuchâtel, Artist.—Engraved gold plates, representing Swiss subjects.

46 GRANDJEAN, P. H. Chauxdefonds, Artist.—Engraving on gold, applicable for watches, jewellery, &c.

47 FISCHER, J. Schaffhausen.—Ingots of meteor steel, and articles made of the same.

48 LAUTERBURG, F. 16 Rue de l' Arsenal, Berne, Prod.—Mineral waterproof composition, for linen, pasteboard, iron, &c.

✓ 49 PEDOLIN, P. Chur, Manu.—Soap-stone, or steatite, Polishing stone. Marbles.

✓ 50 GWINNER, J. Berne, Manu.—Water-colours. Tin pallet, with soft colours.

✓ 51 SOUTTER, G. Campagne des Lugeon, near Morges.—Tooth-powder.

✓ 52 BAUP, H. Vevey, Canton of Vaud, Inv.—Beef, mutton, veal, and fish, preserved in their natural state.

✓ 53 ROTH, J. Wangen, Canton of Berne, Prop.—Horse-hair and bullock's-hair.

✓ 54 FOGLIARDI, G. B. Melano, Canton of Tessin, Prop.—Raw silk.

✓ 55 LAUE, ELIZA, Wildegg, Canton of Argovie, Prod.—Raw silk; cocoons of silk.

✓ 56 LENDENMANN, T. C. Trub, near St. Gall, Canton of Appenzell, Manu.—Gelatine, for stiffening silks, &c.

✓ 57 STERN, A. Gunten, near Thoun, Canton of Berne, Prod.—Wood, for musical instruments.

58 LEDOUX, A. Geneva, Inv.—Frame of a double lithographic press.

59 SCHILT, V. Soleure, Inv. and Manu.—Calculating machine.

60 BOELSTLER, J. Arau, Canton of Argovie, Manu.—Improved machine for cutting bread.

61 DARIER, H. Geneva.—Press for cutting out and stamping watch hands.

62 SCHELLING & Co. Horgen, Canton of Zurich, Manu.—Sheets for cotton carding, and for sheep wool. Pilets. Leather cards.

63 STOTZER, F. Buren, Canton of Berne, Manu.—Files used for clock-making, and polishing instruments.

64 PAGAN, F. Geneva.—Tools for engraving on watch-cases and gold dials.

65 LAUB, F. Wildegg, Canton of Argovie, Inv. and Manu.—Patent boring apparatus for artesian wells.

66 KAPP, C. H. Lausanne.—Long bows of laburnum (or cythus tree) of the Jura, with arrows.

67 PETER, J. Geneva.—Double shot gun.

68 SAUERBREY, V. Bâle, Manu.—Swiss rifle, and walnut case, with necessary apparatus.

69 VANNOD, J. Lausanne, Manu.—Improved fowling-piece, with apparatus.

70 CHOLLET, S. Mondon, Prop.—Aromatic cachou pitchfork; rakes; scythes; pruning-knife.

✓ 71 DESTRAZ, L. Mondon, Manu.—American fowling-piece, with apparatus. Barrel-churn. Bee-hive.

72 Gisin, J. Liestal, Bâle, Inv. and Manu.—Patent iron plough.

73 AUBERT, L. A. Lausanne, Manu.—Gold watch.

74 BARON & UHLMAN, Geneva.—Cylinder watches. Patent watches.

75 DAGUET, T. Soleure, Manu.—Flint-glass and crown-glass in rectangular prisms. Unpolished flint and crown-glass for optical uses.

76 DARIER, H. Geneva.—Samples of watch-hands and key-pipes.

✓ 77 DU COMMUN GIBOD, Geneva, Manu.—Musical-boxes, carved and inlaid.

78 ELPROTH, D. H. Geneva, Manu.—Pen-holder watch.

79 FATIO, J. A. Geneva, Manu.—Gold watches.

80 FELCHLIN, C. Berne, Manu.—Bass clarinet. Box-wood clarinet. Ebony flute.

81 HOMEL-ESSER, F. Arau, Canton of Argovie, Manu.—Case of mathematical instruments. Pocket compasses.

82 FREY, A. J. G. Geneva, Manu.—Two upright tri-

83 GAY & LUOPPIN, Geneva, Inv.—Musical bo-

tating a military band.

84 GOLDSCHMIDT, J. Zurich, Manu.—Planimeter, by

M. Wettli, for calculating the area of plane figures.

85 GYSI, F. Arau, Canton of Argovie, Manu.—Case

of mathematical instruments.

86 HUERSCHER, C. Schaffhausen, Manu.—Bugle and

other trumpets.

87 HUENI & HUBERT, Zurich, Inv. and Manu.—Patent

harpsichord pianoforte.

88 KERN, J. Arau, Canton of Argovie, Manu.—Ma-

thematical instruments.

89 KUETZING, C. Berne, Manu.—A grand pianoforte.

90 LECOULTRE BROTHERS, Brassus, Canton of Vaud.—

Musical box and pianoforte.

91 LEURA, H. sen. Bâle, Manu.—Travelling clocks,

92 GOLAY-LERECHÉ, A.—Pocket chronometer with

repeater and thermometer.

93 LOMBARD-JANPEAU, C. A. Geneva.—Wooden leg,

used for amputation either below or above the knee.

94 LUTZ, —, sen. Geneva, Inv. and Manu.—Hair-

springs suited to marine and other chronometers.

95 MASSET, L. Yverdon, Canton de Vaud, Inv. and

Manu.—Patent planetarium.

96 MERCIER, S. Geneva, Manu.—A chronometer. Half

chronometer for the use of the deaf and blind. Watch.

97 METERT & LANGDORF, Geneva, Manu.—Musical

boxes. Mandoline, in black case.

98 MEYLAN-GOLAY, H. Geneva.—Gold repeating watch.

99 PATER, PHILLIP, & Co. Geneva, Inv. and Manu.—

Chronometers, watches, repeaters, &c. new winding-up by the

pendant.

100 PUPINMAT, F. H. Lausanne, Manu.—Two violins

and a violoncello; two violin bows.

101 RETOR, F. Geneva.—Chronometer. Strong de-

tached lever escapement.

102 SCHWEIDER, F. Berne, Prop.—Relief, representing

a view of the Jungfrau. Artificial teeth.

103 SPRECHER & BAER, Zurich, Manu.—Pianoforte.

104 JACCARD, L. Lausanne.—Biconcave, periscopic,

convex, and concave glasses. Magnifying glasses.

105 PAQUET-FAZY, Mde. Geneva.—Watch spiral springs.

106 JUNOD, T. Lausanne, M.D.—Apparatus to super-

sede, in many instances, bleeding, leeches, and cupping,

without the loss of blood.

107 WERMUTH, J. Signau, Canton of Berne, Prod. and

Prop.—Osteotome (a surgical instrument).

108 ZIEGLER, H. Winterthur, Canton of Zurich, Prop.—

Machine for measuring the distance of gun-balls from the

centre.

109 ALDER & MEYER, Herisau, near St. Gall, Canton of

Appenzell, Manu.—White embroidered muslin for ladies'

dresses. Embroidered curtains and bed-cover. Cravats, &c.

110 ALTHERR, J. C. Speicher, near St. Gall, Canton of

Appenzell, Manu.—Embroidered muslin.

111 ANDEREGG, T. St. Gall, Manu.—Ginghams; jaconet;

cambric; cotton; and cottonade. Shawls; tartans; chinés;

handkerchiefs. Nainzooks.

112 BAENZIGER & Co. St. Gall, Imp.—Muslins; bal-

zorines; cravats; shawls. Ladies' dresses and handker-

chiefs.

113 BEUGGER, J. Wülflingen, Canton of Zurich, Manu.—

Ropes of cotton-yarns, bobbins, warp, and woof.

114 BLUM, T. G. Winterthur, Canton of Zurich, Manu.—

Parcel of cotton-yarn.

115 BOESCH & SONS, Ebnat, Canton of St. Gall, Manu.—

Muslin ginghams; shawls; handkerchiefs; cravats; scarfs;

Barège, &c.

116 BLUMER & IENNY, Schwanden, Canton of Glarais,

Manu.—Cotton, muslin, and jaconet tasmans printed hand-

kerchiefs. Chintz cotton damask.

- 117 BREITENSTEIN, J. & Co. Zofingen, Canton of Argovie, Manu.—Cotton for ladies' dresses and aprons. Tablecloths, handkerchiefs, &c.
- 118 BRUDERER, J. Teufen, near St. Gall, Canton of Appenzell, Manu.—Robes; aprons; violas; plis.
- 119 BRAENDLIN BROTHERS, Rapperschwyl, and HURLIMANN, J. Richterschwyl-Uznach, Canton of St. Gall, Manu.—Three large ropes of cotton warp, spun from Egyptian mats.
- 120 BUCHLER & SONS, Rollbruner, Winterthur, Canton of Zurich, Manu.—Cotton-yarn.
- 121 CLAIS (VON), C. S. Winterthur, Canton of Zurich.—Specimens of cotton yarn warp.
- 122 FEHR, J. C. St. Gall, Manu.—Jaconet. Gauze; figured muslin; bobbinet shawl; muslin dress.
- 123 GREUTER & RIESTER BROTHERS, Winterthur, Canton of Zurich, Manu.—Turkey-red printed calicoes; and union check. Handkerchiefs.
- 124 HEINIGER, J. Berthoud, near Berne, Manu.—Cotton canvas and fine Java, coloured and striped. New canvas.
- 125 HUEBLIMANN, J. Richterschwyl, Canton of Zurich, Manu.—Red and brown printed chintz. Jaconets, for ladies' dresses. Muslin.
- 126 IMHOOF, B. Winterthur, Canton of Zurich, Manu.—Specimens of cotton yarn warp.
- 127 IMHOOF, BRUNNER, & Co. Winterthur, Zurich, Manu.—Muslins.
- 128 KUNZ, A. Uster, Canton of Zurich, Manu.—Yarns, twists, &c. Thread for ribbons; sewing thread; woollen cloth.
- 129 LAUTERBURG, J. & Co. Langnau, Canton of Berne, Manu.—White drill, cotton and thread; cotton; and mixed coloured.
- 130 LEUMANN BROTHERS, Mattweil, Canton of Thurgovie, Manu.—Turkey-red and rose-dyed cotton yarns of different numbers.
- 131 NAEF, M. Niederngrwyl, Canton of St. Gall, Manu.—Moreas, half cotton; luting, satined; hakirs; gingham, &c.
- 132 RIESTER, T. J. & Co. Winterthur, Canton of Zurich, Manu.—Cotton yarn.
- 133 RIKLI, A. F. Wangen, near Berne, Prod.—Spun cotton, dyed red.
- 134 SCHIESSER, G. Hard, near Zurich, Manu.—Handkerchiefs printed on both sides.
- 135 SCHLAEFFER, J. Herisau, Canton of Appenzell, Manu. and Imp.—Plain muslin.
- 136 SCHMID, H. Gattickon, Canton of Zurich, Manu.—Cotton yarn warp and woof.
- 137 SCHWARZ, H. Rickon, near Winterthur, Zurich, Manu.—Specimens of cotton yarn.
- 138 SPRINGER, J. J. Schaffhausen, Imp.—Hand-spun yarn.
- 139 STURZENEGGER-NEF, L. St. Gall, Manu.—Printed cravats on jaconets; jaconets, steam-dyed, &c.
- 140 VONWILLER, U. DE G. St. Gall, Imp.—Plain white tarlatan and muslin. Fancy muslin dresses; figured muslins; spotted jaconets, &c. Collars and pocket handkerchiefs. Embroidered collars and veils.
- 141 WALTZ BROTHERS, Schöftland, Canton of Argovie, Manu.—Silk handkerchiefs, cravats, cords, &c.
- 142 WINKLER, T. C. Friedthal, Canton of Zurich, Manu.—Cotton yarn chain.
- 143 ZAEHNER & SCHIESS, Herisau, Canton of Appenzell, Manu.—Tarlatan, croched; muslin curtains and nets; batiste handkerchiefs, embroidered.
- 144 ZELLER, H. Zurich, Dyer.—Spun cotton, Turkey-red dyed.
- 145 ZELLWEGER, S. Trogen, Canton of Appenzell, Imp.—Glazed jaconets, woven from Swiss-twist.
- 146 ZIEGLER, T. & Co. Winterthur, Manu.—Merinos, prints, cottons, and yarns red dyed.
- 147 BILLETER, Z. Herzogenmulle, Zurich, Manu.—Specimens of cotton yarn.
- 148 CUSTER & SCHACHTLER, Altstädten, Canton of St. Gall, Manu. and Imp. Orleans quadrille; façonné, and broché; half silk broché.
- 149 ERNST, F. Winterthur, Canton of Zurich, Manu.—Mixed coloured cassinets.
- 150 KELLY, J. J. of Mettendorf, near St. Gall, Manu.—Turkey-red cloth and prints.
- 151 MUELLER, PLUESS, & Co. Zofingen, Canton of Argovie, Manu.—Merinos, tartans, and poil de chevre, half wool; and various mixed fabrics.
- 152 MANUFACTURERS OF SILK RIBBONS.—Twenty-one glass cases, containing 2,814 specimens of ribbons, from the following houses:—
Koechlin & Sons, Bâle;
H. A. Senn & Suter, Zofingud;
Jean Franç. Sarasin, Bâle;
B. di B. Straehelin, Bâle;
Sulger & Stuchelckelberger, Bâle;
Buxtorf & Bischoff, Bâle;
Freres Bischoff, Bâle;
T. F. & T. Frey, Arau;
Charles Ryhiner, Bâle;
Lui. Preiswerck, Bâle;
Siber Bischoff, Bâle;
Richter Linder, Bâle;
T. De Bary & Bischoff, Bâle;
F. Feer & Co. Arau.
Waldner & Staehelin, Bâle;
Dietrich Burckhardt, Bâle;
Goetz & Ecklin, Bâle;
T. T. Bakofen & Sons, Bâle;
Freyvogel & Heussler, Bâle;
Emanuel Hoffman, Bâle;
M. Oswald & Co. Bâle;
Frey Thurneisen & Christ, Bâle;
T. B. Burckhard & Sons, Bâle;
D. Preiswerck & Co. Bâle;
Soller & Co. Bâle;
Sarasin & Co. Bâle.
- 153 FORTY-TWO MANUFACTURERS OF SILK STUFFS, Canton of Zurich.—Silk stuffs. Velvet for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality.
- 154 ALIOTH, T. S. & Co. Basle, Inv.—Samples of spun silk for foulards; and damask silk, and wool, made of silk wastes.
- 155 LOTZ, F.; WEGNER, T. R.; MULLER, F.; ROMAIN, jun. Bâle, Silk-dyers.—Specimens of silk.
- 156 BAENZIGER, KOLP, & Co. Ebnat, St. Gall, Prod.—Madras handkerchiefs. Saxones. Checks and stripes. Ginghams.
- 157 BISCHOFF, C. J. Manu.—Black satin. Gros du Rhin. Serge.
- 158 BOELGER, M. Bâle, Manu.—Specimens of spun silk; warp for furniture stuffs; woof for half-silk stuffs.
- 159 CUENDET, ADELIN, Geneva.—Scarf (points de Genève).
- 160 MUELLER, T. B. & Co. Wyl, near St. Gall, Manu.—Handkerchiefs; romals; shawls, damasked; tartans; scarfs; gingham; satins; Moreas; demi-cottons, &c.
- 161 RYHINER & SONS, Bâle, Manu.—Machine-spun silk for silk and worsted damask, handkerchiefs, gloves, &c.
- 162 VON DER MUEHL BROTHERS, Basle, Manu.—Gros de Naples, four qualities. Serge. Taffetas. Gros de Rhine.
- 163 BECK & SONS, MIESCHER & SONS, FANKLAUSER BROTHERS, SCHMID BROTHERS, Berne, Berthoud, and Eriswyl, Canton of Berne, Manu.—White linen handkerchiefs; table linen; towels. Drill tick, cotton and linen tick.
- 164 HAAG & SON, Libefeld, near Berne, Manu.—Samples of linen.
- 165 HANSELMANN, J. Güttingen, Canton of Thurgovie, Manu.—Morning jacket of fine Thurgovie linen.
- 166 HUNZIKER & Co. Arau, Canton of Argovie, Manu.—Coutils; toiles du nord, linen and cotton; cotonades; gingham; handkerchiefs.
- 167 MIESCHER & Co. Berthoud, Canton of Berne, Manu.—Sewing thread.
- 168 RASCHLE & Co. Wattwill, Canton of St. Gall, Manu.—Handkerchiefs: Veronas, Madras, Indian, pailcats, mazzulipatams. Cottonnets, gingham, cambrics, &c.
- 169 ROETHLISBERGER & SONS, Walkringen, near Berne,

Manu.—Towels, table cloth, table linen, and table napkins. Bleached linen for shirts, &c. Handkerchiefs, drill, &c.

170 REYMOND, jun. Morges, Manu.—Diapered skins: Calf-skin in different states.

171 GISSIGER, V. Laufeu, near Bâle, Manu.—Dressed hides for harness and coaches; calf-skins, &c.

172 HAUSER, J. de J. Wädenschwyl, Canton of Zurich, Manu.—Leather for soles.

173 IMHOF & SONS, Bâle, Manu.—Sole leather. Calf-skins. Goat-skins.

174 KAPPELER, F. Frauenfeld, Canton of Thurgovie, Manu.—Sole leather.

175 MERCIER, J. J. Lausanne, Canton of Vaud, Manu.—Calf and morocco leathers: boot-legs, fronts, and backs. Chamois, calf, and sheep-skins.

176 MEYER & AMMANN, Winterthur, Zurich, Manu.—Calf-skins. Morocco. Sheep-skins.

177 MUELLER & Co. Aarau, Canton of Argovie, Manu.—Calf-skins in different states.

178 RAICHLEN, L. Geneva, Manu.—Strong sole leather, and strong white leather, for bands. Calf boot-fronts.

179 RESSEGUIRE, C. Geneva, Manu.—Calf-leather. Cordovan, dyed. Kid leather, for gloves.

180 SCHALCH, A. Schaffhausen, Manu.—Leather for ladies' shoes. Goat-skins, for bookbinders. Fine parchment and calf-skins.

181 SPENGLER, H. Hasli, Canton of Thurgovie, Manu.—Sole leather.

182 THURNEISEN, —, Bâle, Manu.—Superfine paper, for prints and lithography.

183 STEINLIN, F. on the Sihl, city of Zurich, Manu.—Pasteboard. Silk paper. Paper of various kinds. Writing books and music paper.

184 BONTEMS, C. Geneva.—Black silk for sewing.

185 HUG-ITH, Schaffhausen, Imp.—Scarlet cloth dyed at Schaffhausen.

186 SULZER, G. Winterthur, Canton of Zurich.—"Moreas à flammes. Coutnys à flammes satiné."

187 SULZER, H. Adorf, Canton of Thurgovie, Manu.—Calicoes of various descriptions.

188 BAENZIGER, J. Thal, near St. Gall, Manu.—Specimens of needlework and embroidery. Handkerchief with lace border. Plain muslins and jaconet.

189 DEPIERRE BROTHERS, Heiden, Canton of Appenzell, near St. Gall, Manu.—Specimens of embroidery on tulle. Veils, on white and black tulle. Cambric handkerchief.

190 EUGSTER BROTHERS, Speicher, Canton of Appenzell, Manu.—Muslin curtains. Curtains, embroidered, with net appliqué.

✓ 191 EHRENZELLER, F. St. Gall, Imp.—Embroidered curtains of various kinds.

192 FISCH BROTHERS, Buehler, Canton of Appenzell, Manu.—Muslin dress and curtains embroidered.

193 FORSTER, J. B. Ober-Utzwyl, St. Gall, Manu.—Muslin robes. Gauze and jaconet. Gauze and muslin shawl.

✓ 194 HERMANN, F. Diessenhosen, Thurgovie, Manu.—American carpet stuffs. Piece of printed calicoes.

195 HOLDEREGGER, C. St. Gall, Canton of St. Gall, Manu.—Curtains, embroidered on muslin and tulle; guipure appliqué, and long point, and other embroidered goods.

✓ 196 KOELLREUTTER, F. St. Gall, Manu.—Specimens of cotton embroidery on muslin, ornamented with flowers. Handkerchief.

197 METTLER & SON, Hemberg, Canton of St. Gall, Manu.—Ginghams. Jaconets. Robes. Muslins. Cravats. Handkerchiefs. Shawls.

198 NEF, J. J. Herisau, Canton of Appenzell, Manu.—Swiss muslin. Tamboured gauze balzordine, and nainzook. Striped gauze. Figured muslin.

199 PAULY, G. & A. Canton St. Gall, Manu.—Embroidered robe and chemisette. Pelerine.

200 SCHIESS, E. Herisau, Canton of Appenzell, Manu.—Veil of cambric needlework.

201 SCHLAEFFER, SCHLATTER, & KURSTEINER, St. Gall, Manu.—Lace and muslin curtains. Muslin dress Tarlatan. White Jacquard muslin. Shawls with needlework and fringes, &c.

202 SCHOCH, SCHIESS, & SON, Herisau, Canton of Appenzell, Manu.—Embroidered handkerchiefs, and collar.

203 SUTTER, J. J. Bühler, Canton of Appenzell, Manu.—Curtains. Ladies' dresses and handkerchiefs, embroidered. Pelerine mantelets.

204 TANNER, B. St. Gall, Manu.—Embroidered muslins.

205 TANNER, J. U. Bühler, Canton of Appenzell, Manu.—Silk pocket-handkerchiefs. Curtain and bed-cover, muslin and silk, embroidered. Pictures of silk.

206 TANNER & KOLLER, Herisau, Canton of Appenzell, Manu.—Muslin scarfs, dresses, and shawls. Embroidered muslin curtain, and robes.

207 WALDBURGER & LANGENEGGER, Bühler, Canton of Appenzell, Manu.—Embroidered robes of silk.

208 STAEBELI-WILD, C. St. Gall, Manu.—Embroidered table-cloths. Curtains, and handkerchief, French cambric.

209 ZUPFINGER, T. Wänedorf, Canton of Zurich, Inv.—Carpet of new velvet, woven.

210 BALLY & Co. Schoenenwerd, Canton of Soleure, Manu.—Braces, elastic and non-elastic.

211 DIETIKER, J. Berne, Manu.—Japanned leather boots, red morocco legs.

212 FREY, T. F. & T. Aarau, Canton of Argovie, Manu.—Elastic braces and garters. Elastic cotton belts.

213 ISLER & OTTO, Wildegg, Canton of Argovie, Manu.—Laces, a new application of straw, for ladies' bonnets, &c.

214 LECOULTRE BROTHERS, Brassus, Vaud.—Razors à sonnettes. Razors with several blades.

215 LECOULTRE, J. Sentier, Canton of Vaud.—Razors of various kinds.

216 GRAESER & SCHWEIZER, Rheinau, Canton of Zurich, Manu.—Metallic cloth. Iron wire flower-pot.

217 SCHEITLIN, H. & D. Canton of St. Gall, Manu.—Buttons for coats and ladies' dresses. Umbrella, curtain, and bodice rings.

218 SCHOPFER, S. Gessnay, Canton of Berne, Founder.—Cow bells.

219 DUTERTRE, A. Geneva.—Gold pocket-book. Gold cigar-case, with watch. Gold purse, ring, and bracelet. Walking-stick head, &c.

220 GOLAY, L. Geneva.—Gold souvenir, with watch.

221 FRIES, H. Canton of Zurich, Des. and Manu.—Embossed drinking cup.

222 MASSY, J. F. Sentier, Canton of Vaud.—Imitative gems.

223 VERET, J. Nyon, Canton of Vaud.—Crystal of quartz. Imitation topaz.

224 FLUEKE, J. Brienz, Canton of Berne, Manu.—Table of maple-wood.

225 MEYSTRE, E. Lausanne.—Two turned cups and a watch-stand, made by a pupil of the Asylum for the Blind.

226 VOGEL, A. Thounne, Canton of Berne, Manu.—Round table, made of 28 different kinds of wood, inlaid with 38,000 pieces.

227 ABT BROTHERS, Buenzen, BRUGONSSER & Co., DUBLER & SONS, GEISSMANN & Co.; ISLER, J. jun.; ISLER, J. & Co.; ISLER, J. & SON; MEYER BROTHERS; WOHLER & Co. Wohlen, Canton of Argovie, Manu.—Twisted straw, willow chip, and plaits. Horsehair and manilla plaits. Plaited trimmings. Feathers. Flowers. Bags. Slippers. Carpet, &c.

228 CLARAZ, A. Fribourg, Manu.—Flowers, plumes, and wreaths, made of straw, for bonnets. Straw bonnets, plaits, trimmings, &c.

- ✓ 229 FAESSLER, J. A. Appenzell, Manu.—Milk tube in miniature.
- ✓ 230 HARTMANN, L. & Co. Fribourg, Manu.—Stalks of wheat grown in the Canton of Fribourg, prepared for straw plaiting. Specimens of plaiting. Ladies bonnets.
- ✓ 231 HURTER & BUHOLZER, Lucerne, Manu.—Horse-hair, double and single tress.
- 232 LENDENMANN, J. C. Grub, Canton of Appenzell, Inv. and Manu.—Printers' rollers, made of "Swiss imitation caoutchouc;" it is elastic, tough, soluble in water, and capable of adaptation to different temperatures.
- 233 PIECE, LOUISA, Geneva.—Caoutchouc knit-stockings for invalids.
- 234 SULZBERGER & AKERMANN, Meisterschwanden, Manu.—Horse-hair and silk lace. Lace made of Ostindian hemp, horse-hair and silk. Specimen of cabas, cigar-cases, tassels, and straw ornaments. Straw rope. Tresses of Indian hemp and silk. Bleached straw, bleached wood.
- 235 BAATARD, J. A. Lausanne.—Plated work-box, with mahogany wood and steps.
- 236 BAUTTE, T. F. Geneva, Manu.—Presse-papier, in gold-enamelled rococo style; the base ornamented with painted views; groups of flowers, painted in enamel upon gold, with a mechanical singing bird.
- 237 WETTLI, M. L. Berne, Manu.—Lady's mechanical ecriture, of white wood, can be used for writing in a sitting or standing posture. Carved work, representing the rustic economy and Alpine life of the inhabitants of Switzerland.
- 238 FLUEKK, ELIZABETH, Brienz, Canton of Berne, Manu.—Lady's work-basket, carved in maple-wood.
- 239 BAUMANN, A. Brienz, Canton of Berne, Carver.—A box, in white wood; the carving on the cover, represents the Alpine rose. Box of yew-tree wood, ornamented in carving with the garden rose and a garland of flowers. Small box, made of yew-tree wood, inlaid, &c.
- ✓ 240 CHENEVARD, L. Geneva.—Enamelled map of the islands of Great Britain: illustrating an application of enamelled painting to the improvements of maps.
- ✓ 241 HESS, L. Au Jeu de l'Arc, Geneva, Painter.—Enamels: Young Beggar, after Murillo. The Card-player, after Julius David. Jane of Arragon, after Raphael. The Bride of Lammermoor, after Tony Johannot. The Guardian Angel after Decaisne. Venus and Cupid, after Titian, &c.
- ✓ 242 KENNEL BROTHERS, Schwendi, near Meyringen, Canton of Berne.—Box-wood salad spoon and fork, ruler, drinking-cup for children, nut-crackers, folder, handle of chamois-horns, &c. Painted plate, sculptured by Daniel Wugelin, of Thoune.
- ✓ 243 KESSLER, N. Fribourg, Des. and Carver.—Statue representing Father Girard, a Franciscan friar.
- ✓ 244 KLARER, J. A. Appenzell, Canton of Appenzell.—Ornament, or jewel-case, of nut-tree wood, ornamented with figures, in the costume of the Canton of Appenzell, William Tell's shot, and other representations of Swiss characters and events.
- ✓ 245 LOMBARD, A. C. Geneva, Inv. and Prod.—Five enamels: Miniature pocket-compass, with portrait of Admiral Nelson. Mourning dial, Turkish calendar-dial, Chinese dial, and Romish dial.
- 246 HALMEYER-APPENZELLER, A. St. Gall, Manu.—Chimney-screen, with a view of Meyringen, Canton of Berne. The composition is a combination of the plastic art with that of the maker of artificial flowers.
- 247 MEZENER, J. Jaun, near Meyringen, Canton of Berne.—Group of ten chamois and huntsmen, on a hill.
- 248 MICHEL, G. Brienz, Canton of Berne, Carver.—Peasant's farm-house in the Bernese Oberland, with its dependencies. By removing the roof, the interior, even to the cellar, is exposed to view, with the furniture, &c.
- 249 DUFAX, O. Geneva.—Full-length portrait of Her Majesty Queen Victoria, painted in enamel after Chalon. Painted with new colours, made in Geneva, by L. Dufaux, sen.
- 250 SCHILD, J. Brienz, Canton of Berne, Carver.—Carved table. Bernese peasant's habitation.
- ✓ 251 SCHÆCK, Madame, Geneva. Paintings on alabaster, whitened and hardened for brooches and other articles of jewellery, covers of chests, boxes, and paper weights.
- ✓ 252 SCHOELL, C. A. St. Gall, Inv. and Mod.—Model in relief of the mountains of Appenzell, including a surface of about 130 square miles. The apparatus and the plastic substance of the relief are the exhibitor's own invention.
- ✓ 253 SPALINGER, J. Schaffhausen.—Album, with several woodcuts, executed by the exhibitor. The drawings were executed by several Swiss artists.
- 254 STÖTZNER, C. F. & Co. Schaffhausen, Prod.—Galvano-typic plates, subjects composed and drawn by M. Bendel, Munich, &c. The object of the galvano-typic plates is, to supply the place of woodcuts at a cheaper rate.
- ✓ 255 JAUN, T. Meyringen, Canton of Berne, Carver.—A group of nine chamois and huntsmen, carved in maple wood.
- ✓ 256 UELTSCH, J. Oberwyl, Canton of Berne, Manu.—Brooches, watch-keys, shirt buttons, and rings, made of chamois horns, &c.
- ✓ 257 WYTENBACH, C. Berne, Prop.—Model in relief of the cathedral of Strasburg, executed in card-paper, by J. Leemann, Zurich, executed with a penknife by a working bookbinder, who was employed on it incessantly for three years.
- ✓ 258 LEEMANN, J. Berne, Carver.—A model, representing a fountain erected on the market-place of Nuremberg, in Bavaria, by the celebrated masons George and Frederic Ruprecht; the figures were executed by Sebald Schonhofes.
- ✓ 259 WIRTZ, J. Berne, Painter.—A table in white wood, with view of Tell's chapel, and the costumes of the twenty-two Cantons. A table, with the view of the Handekfall. A desk, with a view of the Siessbach, and other articles in painted wood. Letter-back, with the view of the Wengeralp.
- 260 ZIEGLER-PELLIS, J. Winterthur, Canton of Zurich, Manu.—Divers articles of pottery ware, raw and glazed. The large pieces are exhibited for fineness and exactness in the expression of the medallions, &c.
- 261 GEILINGER BROTHERS, Winterthur, Canton of Zurich.—Yasmas, dyed and printed.
- 262 LECOULTRE, G. Canton of Vaud, Manu.—Razor with seven blades. Razors with three, two, and one blade, buffalo handle, &c.
- 263 LECOULTRE & GOLAY, Canton of Vaud, Watchmaker.—Large pinion with twenty teeth; others with sixteen, twelve, eight, seven, and six teeth, fixed on a wheel.
- 264 SCHUCHMANN, W. Canton of Neuchâtel, Engraver.—Two coins, engraved in steel; the one representing a group of two persons, the other the head of a warrior.
- ✓ 265 FISCHER, E. Chur, Canton of Grubudten, Manu.—A double American rifle with two barrels and only one trigger; the right barrel straight, the left with a half winding.
- 266 FIGUET BROTHERS, Sentier, Canton of Vaud, Manu.—A gold watch, enamel dial, duplex escapement, five rubies, maroquin case.
- 267 PAILLARD BROTHERS, E. A. St. Croix, Canton of Vaud, Manu.—A gold watch, five rubies, portrait of the Queen of Holland, with diamonds. A gold watch, five rubies, to wind up by the pendant.
- 268 KRAMER, A. Locle, Canton of Neuchâtel, Manu.—A gold watch, independent seconds, and metal thermometer; twenty holes in rubies, compensation balance.
- 269 SCHMID BROTHERS, Thalweil, Canton of Zurich, Manu.—Silk handkerchiefs; the weaving, printing, finish-

ing, and entire manufacture by the exhibitors: warp silk, woof samples of spun silk, called shappe sublime.

270 BURKHARDT, J. Zurzach, Canton of Argovie. An assortment of improved razors and razor-strops.

271 PERRET, C. Chaux de Fonds, Canton Neuchâtel.—Thread lace.

272 GIMPER, G. Zurich.—Toothpowder, &c.

273 PIQUET BROTHERS, Sentier, Canton de Vaud.—Gold watch.

TUNIS.

TUNISIAN PRODUCTIONS, sent for exhibition by order of His Highness MUSHIR BASHA, Bey of Tunis, under care of SY HAMDIA ELMKADDEN, Pro-Commissary appointed for the occasion, and MOSES SANTILLANA, Interpreter to his Excellency General SIDY MAHMOUD BENYAD, the Bey's Commissioner, 9 China Terrace, Kennington Road.

1 Small blankets, manufactured at Gafsa. Mantles, wool and silk.

2 Small blankets, with silk, &c. Mantles, with stripes.

3 and 4 Gafsa blankets, with silk, &c. Mantles, with stripes.

5 Gafsa blankets, wool. Mantles, with stripes, good.

6 Bornuses, manufactured at Gerid and Gafsa, and at Kaff. Bornuses, woven with silk.

7 Pieces for making bornuses, with silk. Shawls, white and coloured. Joubbas, white and coloured. Mantles, white and coloured, with silk. Shawls, all wool. Coloured Gerby joubbas. Joubbas, with crimson ornaments, and mantles, woven with silk, of Gerby manufacture. White, light blue, and light crimson girth. Waist girths. Woollen Joubbas, Gerby manufacture. Men's whiteshaws. Taled, used by Jews. Joubbas of Gerid, with silk. Mantles, woven with silk. Small blankets, Touzer manufacture. Bornuses, with silk.

8 Blankets, made at Touzer. Blankets of Gerby manufacture. Mantles, of Gerby and Gafsa manufacture.

9 Mantles, common, Bedween style, &c. Jerby shawls. Shawls, Tunisian style. Pieces of common Tunisian-manufactured wool. Six complete woollen dresses and six long jackets, used by seamen, &c. Blankets, of Gerby manufacture. Common mantles, used by the Bedwenes of Sahel. Blankets, made at Sahel.

10 Red caps, called Calabash. Caps, called Orta. Caps, called Sakes. Ottoman court uniform caps, called Majidia. Caps, called Kaleb-shed. Small size, called Hramy sakes. Long shaped, Arab style. Smaller size, called Zenna. Caps, called Orta. Silken stuff, called Garmasud, imitation of India. Silk waist girth. Face coverings. Blue cotton fabrics. Silk mantles, used by Arabs. Silk girth, used by town people. Silken shawls and coloured girths, made at Kirwan. Arab vells. Handkerchiefs. Curtains. Silk girth, Algerine style. Head girths, Kirwan style. Light veil, made at Kirwan, &c. Silk aprons, Algerine style. Gaze dresses. Ladies' small waist girths. Ribbon. Gaze scarfs. Head coverings. Small girths. Kerchiefs, and neckerchiefs, and small handkerchiefs. Striped silk, for men's dresses. Head coverings, imitation of Morea. Fancy silk turbans. Jewish men's girths. Aprons, Algerine style, &c. Joubbas, Gerby manufacture. Silk mantles. Jewish religious dresses. Pieces of silken manufacture. Gentlemen's girths. Head dresses, used by Tunis and Kirwan ladies. Coloured handkerchiefs. Silk scarfs. Silk curtain. Fancy silk scarf. Piece of yellow silk manufacture. Gaze veil. Cotton head coverings. Biserta aprons and towels. The same, used for bathing, with silk. Linen stuff, made in Tunis, and at Susa. Turbans, made at Sfax, red.

11 Woollen blankets, made at the Gala, a province of Sahel. Joubbas, manufactured by the Hmamma tribe. Joubba, manufactured at Kirwan. Mantles, manufactured at Kirwan. Strong stuff for making bornuses. Black bornuses. Black bornuses, imitation of Tsbessa, made at Gafsa. Pieces for making bornuses. Red bags, used for feeding horses. Red bags, or purses, for putting on horseback. Red girths. Complete joubbas, silk and wool, made in Kirwan.

12 Men's shoes, Algerine style. Men's slippers. Slippers, called Yamany and Telemmany. Men's Arab slippers, made at Tunis and Kirwan. Ladies' shoes and slippers. Boots, yellow and red. Ladies' coloured shoes. Ladies' short coloured slippers. Arab and children's shoes. Red, black, yellow, and chocolate goat skins. Red and yellow sheep's skins. Light blue goat skins. White sheep's skins. Leather bag, Persian style. Leather bag, Kaff style. Powder and shot bag. Leather powder bag. Pair of pistol holders. Single pistol holder. Set of forehead ornaments, used by Arabs for horses.

13 Models of carved arabesque gypsum ornaments, used for decorating the interior of Moorish rooms.

14 Box of saffron.

15 Box of indigo.

16 Box of indigo, of another sort.

17 Box of the same.

18 Box of unwoven linen.

19 Large carpet. Small carpets, used in tents. Bags, for feeding horses. Horse coverings.

20 Carpets, used in tents and for wall tapestry. Carpet bags. Horse bandages.

21 Red thin skins and hides. White thin hides, for shoemaking. Forks, used for the wool manufacture. Copper stirrups, used by the Arabs of Derna, &c. Undressed goats' skins. Leather bags, for carrying water. Hair cords, for tying horses' feet, &c. Martingales. Hair girths, used for tying up loads on mules. Horse brushes.

22 Bornuses, woven with red silk and wool.

23 Jewish garments. Mantles, with silk and wool, made at Gerby. Mantles, with silk. Woollen thread, made at Gerby, for various manufacturing purposes. Spun thread, made at Gerby. Girths. Pieces for making joubbas, with silk, Gerby manufacture. White piece, with silk. Gerby shawls, with silk. Men's shawls. Complete silk mantles. Coloured shawls. Mantle. Bornuses, silk and wool. Bornuse, of Gerid, silk and wool. Tunisian carpets. Horse bandages, manufactured by the tribe of Awlad-Uu.

24 Earth extracted from the mine of the Mountain of Slat.

25 Minerals of the same place.

26 and 27 Mineral lead from the Mountains of Gerisa.

28 and 29 Mineral lead from the Mountains of Wargha and Gerisa.

30 Lead from Slat.

31 Iron from same place.

32 Lead from the Ragba Mountains.

33 and 34 Copper and iron from the Mountain of Gerisa.

35 Piece of jujube wood. Untanned hides.

36 Mule saddle, complete. Horse saddles, complete. Horse leather bags. Stilettoes, manufactured at Biserta. Fans. Leather round waiters. Silk horse-neck ornaments. Cord bridles. Copper candlesticks. Pieces of coloured coarse cloth. Horse coverings, with stripes.

37 Parasols, with leather and silk. Parasols, with ostrich feathers. Parasols, simples. Dry pomegranade, used for colouring yellow. Gall. Lion skin. Leopard skins. Weight for scales.

38 Sample of lime.

39 Bale of wool, weighing 581 lbs.

40 Bale of wool, weighing 504 lbs.