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PHYSICS

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T O T H E P U B L I C.

STRAND, April 8, 1772.

THE Society for the Encouragement of Arts, Manufactures, and Commerce, propose, in pursuance of their plan, to bestow the following Premiums :

Premiums for Planting and Husbandry.

1. ACORNS. For setting or sowing the greatest quantity of land, not less than 20 acres, with Acorns, between the twentieth of September 1771, and the first of May 1772, and for fencing and preserving the same effectually, in order to raise timber ; the gold medal.

CERTIFICATES of setting or sowing, agreeably to the above conditions (and that there are five hundred oak plants at least on each acre) must be delivered to the Society on or before the first Tuesday in November 1772.

2. For the second greatest quantity of land, not less than 15 acres, set or sown with Acorns, agreeably to the above conditions ; the silver medal.

3. For the third, not less than 10 acres ; the silver medal

4, 5, 6. The like premiums, on the same conditions, will be given for setting or sowing Acorns between the twentieth of September 1772, and the first of May 1773.

CERTIFICATES to be delivered on or before the first Tuesday in November 1773.

7. CHESNUTS. For setting or sowing the greatest quantity of land, not less than six acres, with Spanish Chesnuts, before the first day of May 1772, and for effectually fencing and preserving the same, in order to raise timber ; the gold medal.

8. For the second greatest quantity, not less than four acres ; the silver medal.

9. For the third greatest quantity, not less than two acres ; the silver medal.

CERTIFICATES of setting or sowing agreeably to the above Conditions (and that there are five hundred Spanish

A

nish

nish Chesnut plants at least on each acre) must be delivered to the Society on or before the first Tuesday in November 1772.

10, 11, 12. The like premiums, on the same conditions, will be given for setting or sowing Spanish Chesnuts before the first of May 1773.

CERTIFICATES to be delivered on or before the first Tuesday in November 1773:

13. ELM. For planting the greatest number of the small leav'd English Elm, not less than one thousand, between the twenty fourth of June 1771, and the twenty fourth of June 1772, and for the effectually fencing and preserving the same, in order to raise timber; the gold medal.

14. For the second greatest number; the silver medal.

15. For the third; the silver medal.

CERTIFICATES of having planted, agreeably to the above conditions, and specifying the distance of the trees, must be delivered to the Society on or before the first Tuesday in November 1772.

16, 17, 18. The like premiums on the same conditions, will be given for planting the small leav'd English Elm, between the twenty-fourth of June 1772, and the twenty-fourth of June 1773.

CERTIFICATES to be delivered on or before the first Tuesday in November 1773.

19. SCOTCH FIR. For planting out from the twenty fourth of June 1771, to the twenty fourth of June 1772, at a distance not less than four feet, the greatest number of that pine commonly called the Scotch Fir, not less than twenty thousand, to be two years old at least when planted out, and for actually fencing and preserving the same, in order to raise timber; the gold medal.

20. For the second greatest number, not less than ten thousand; the silver medal.

21. For the third greatest number, not less than ten thousand; the silver medal.

CERTIFICATES of planting according to the above conditions, and of the state of the plants at Michaelmas preceding the date of the Certificates, to be delivered on or before the last Tuesday in December 1772.

N. B. Not less than one acre to be planted in any one inclosure.

22, 23, 24. The like premiums will be given, on the same conditions, for planting out Scotch Firs from the twenty-fourth of June 1772, to the twenty-fourth of June 1773.

CERTIFICATES to be delivered on or before the last Tuesday in December 1773.

25, 26, 27. The like premiums will be given, on the same conditions, for planting out Scotch Firs from the twenty-fourth of June 1773, to the twenty-fourth of June 1774.

CERTIFICATES to be delivered on or before the last Tuesday in December 1774.

28. WEYMOUTH PINE. For planting out in the year 1772, at proper distances, the greatest number of Weymouth Pines, not less than two thousand, to be four years old at least when planted out; and for effectually fencing and preserving the same, in order to raise timber; the gold medal.

29. For the second greatest number, not less than one thousand; the silver medal.

30. For the third greatest number, not less than one thousand; the silver medal.

CERTIFICATES of such planting must be delivered on or before the last Tuesday in January 1773.

31. NORFOLK WILLOW. For the greatest number of acres, not less than six, planted in the year 1771, with Norfolk Willows, the number of cuttings to be at least one thousand on each acre, properly fenced and secured; Certificates to be produced on or before the last Tuesday in December 1772, of the said planting, and that the trees were then growing on the land; thirty pounds, or the gold medal.

32. The same premium, on the like conditions, will be given for Norfolk Willows planted in the year 1772; Certificates to be produced on or before the last Tuesday in December 1773.

33. The same premium on the like conditions will be given for Norfolk Willows, planted in the year 1773; Certificates to be produced on or before the last Tuesday in December 1774.

34. OCCIDENTAL PLANE TREES. For the greatest number of acres, not less than five, planted with

Occidental Plane Trees, in the year 1772, not less than five hundred on each acre, properly fenced and secured ; Certificates to be produced to the Society on or before the last Tuesday in December 1772, of the said planting, and that the trees were then growing on the land ; thirty pounds.

35. The like premium will be given, on the same conditions, for Occidental Plane Trees in the year 1773 ; Certificates to be produced to the Society on or before the last Tuesday in December 1773, of the said planting, and that the trees were then growing on the land.

36. OCCIDENTAL PLANE TREES. For the greatest number of acres, not less than five, planted with Occidental Plane Trees, in the year 1774, not less than five hundred on each acre, properly fenced and secured ; Certificates to be produced to the Society on or before the last Tuesday in December 1774, of the said planting, and that the trees were then growing on the land ; the gold medal.

37. ALDER. For the greatest number of acres, not less than six, planted in the year 1771, with Alders, to be at least one thousand on each acre, properly fenced and secured ; Certificates to be produced to the Society on or before the last Tuesday in December 1772, of the said planting, and that the trees were then growing on the land ; thirty pounds.

38. ALDER. For the greatest number of acres, not less than six, planted in the year 1772, with Alders, to be at least one thousand on each acre, properly fenced and secured ; Certificates to be produced to the Society on or before the last Tuesday in December 1773, of the planting, and that the trees were then growing on the land ; the gold medal.

39. ALDER. For the greatest number of acres, not less than six, planted in the year 1773, with Alders, to be at least one thousand on each acre, properly fenced and secured ; Certificates to be produced to the Society on or before the last Tuesday in December 1774, of the said planting, and that the trees were then growing on the land ; thirty pounds, or the gold medal.

40. UP-

40. UPLAND OR RED WILLOW. The like premium will be given, on the same conditions, for planting the Upland or Red Willow in 1772; Certificates to be produced to the Society on or before the last Tuesday in December 1772, of the said planting, and that the trees were then growing on the land.

41. For the greatest number of acres, not less than six, planted in the year 1773, with Upland or Red Willow; Certificates to be produced on or before the last Tuesday in December 1773; the gold medal.

42. For the greatest number of acres, not less than six, planted in the year 1774, with Upland or Red Willow; Certificates to be produced on or before the last Tuesday in December 1774; thirty pounds, or the gold medal.

43. ASH. For planting the greatest number of acres, not less than six, in the year 1774, with Ash for Timber; the plants to be at least two years old, properly secured and fenced; thirty pounds, or the gold medal.

44. For the next greatest number of acres, not less than four; twenty pounds, or the silver medal.

CERTIFICATES to be delivered on or before the second Tuesday in March 1775.

45, 46. The same premiums are extended to the year 1775.

CERTIFICATES to be delivered on or before the second Tuesday in March 1776.

47, 48. The same premiums are extended to the year 1776.

CERTIFICATES to be delivered on or before the second Tuesday in December 1777.

49. LOMBARDY OR PO POPLAR. For planting in the year 1772, the greatest number, not less than one thousand, of the Lombardy Poplar or Po Poplar, properly fenced and secured, for raising timber.

CERTIFICATES to be produced on or before the second Tuesday in November 1772; the gold medal.

N. B. This tree is called by some the Pine Poplar.

50. The same premium is extended to the year 1773.

CERTIFICATES to be produced on or before the second Tuesday in November 1773.

51. DRILL

51. DRILL AND BROAD-CAST CULTURE OF WHEAT, &c. It not being ascertained by sufficient trial, whether sowing wheat in broad-cast with a change of crops, or sowing it in drills constantly in the same ground, horse-hoeing the intervals, be the most profitable method of cultivating it; the Society will give to the person who shall produce an account of the most accurate experiments in both methods, with their success, and a description of the soil in which each experiment has been made; the gold medal.

52, 53, 54, 55, 56, 57, 58, 59, 60, 61. The like premium will be given for ascertaining, by the like experiments on each of the following articles respectively, whether it is most profitable to cultivate them in broad-cast or in drills, horse-hoeing the intervals, admitting a change of crops in both methods, on rye, oats, barley, carrots, parsneps, parsley, turneps, beans, pease, and tares or vetches.

62, 63, 64. The like premium will also be given for ascertaining, by the like experiments, on each of the following perennial plants respectively, whether it is most profitable to cultivate them in broad-cast or in drills, horse-hoeing the intervals several times every year, viz. Lucerne, Sain oin, and Burnet.

The candidates must deliver in their accounts of the above experiments on or before the first Tuesday in December 1773.

N. B. The Society expect that the places shall be specified where such experiments were made, and that the experiments in the broad-cast and in the horse-hoeing method be in the same kind of soil, and as contiguous as may be.

The premiums for the above articles are extended to Scotland and Ireland.

65. CULTURE OF WHEAT. For the best account of a proper set of experiments, to determine in what cases the cultivating Wheat in drills constantly on the same ground, and horse-hoeing the intervals, or sowing it in broad-cast with a change of various crops, is the most advantageous; the gold medal.

66, 67, 68. BARLEY, OATS AND RYE. The like premium will be given for the best accounts of experiments to determine the comparative advantages of the drill and broad-cast methods in the culture of Barley,

Oats, and Rye, severally, admitting a change of crops in both methods.

The accounts in the four preceding classes must be delivered in on or before the first Tuesday in December 1774.

69, 70, 71. LUCERNE, SAINFOIN, AND BURNET. The like premiums will be given for the best accounts of experiments, to determine the comparative advantage of the drill and broad-cast methods in the culture of Lucerne, Sainfoin, and Burnet.

72. TURNEPS. For the best account of experiments, to determine the comparative advantages of the drill or broad-cast methods in the cultivation of turneps; the gold medal.

The accounts in the four preceding classes to be delivered in on or before the first Tuesday in December 1772.

73. CULTURE OF WHEAT. For the best set of experiments to ascertain whether it is most advantageous to cultivate Wheat by sowing it in the common broad-cast way, or by drilling it inequidistant rows hand-hoeing the intervals; the gold medal, or twenty pounds.

It is required that the above experiments be made on similar soils of the same aspect; and that at least five acres be drilled, and the same number sown in broad cast.

It is desired that the distance between the rows may not exceed eleven inches, and that an account of the nature and condition of the land on which the experiments are made, together with an account of the produce of the corn, be produced to the Society on or before the last Tuesday in March 1774.

74. FOR ASCERTAINING DISTANCE OF ROWS IN DRILLING HUSBANDRY. For accounts of the best set of experiments, to ascertain the respective distances of the rows, which will be most advantageous in the drill culture of any of the several kinds of Grain, Pulse, and Roots, with a description of the horse-hoeing instruments employed in the culture; the gold medal.

The accounts to be delivered in on or before the first Tuesday in December 1772.

75. The

75. The like premium will be given for accounts of the best experiments, for ascertaining distance of rows in drilling Husbandry.

The accounts to be delivered in on or before the first Tuesday in December 1773.

76. **QUANTITY OF CORN TO BE SOWN.** For an account of the best set of experiments made to determine the most proper Quantity of Corn of each kind, to be sown in broad-cast on an acre of land, according to the different qualities of soil; to be produced on or before the first Tuesday in February 1773; the gold medal.

It is required that the person claiming the premium, do give an account at what period the land was manured; of the kind and quantity of the manure laid on each acre; as also when the land was last under a summer fallow.

77. **CULTIVATING WHEAT IN THE SPRING.** To the person who cultivated, in the spring of the year 1771, the greatest number of Acres with common wheat; fifty pounds, or the gold medal of the Society.

An account properly certified of the quality and nature of the land sown, time of sowing and reaping, quantity of Wheat produced per acre, and the weight per Winchester bushel; to be delivered on or before the last Tuesday in October 1772.

N. B. The candidate is desired to give an account of the usual average produce of the same land when sown with Wheat in autumn, and the usual time of the harvest.

78. **CULTIVATING TURNEPS AMONG BEANS.** For an account of the best experiments made to determine the advantages arising from cultivating Turneps among Beans, either in the drill or broad-cast way, on at least five acres of land; to be delivered on or before the first Tuesday in November 1772; the gold medal.

79. For a similar account on the next greatest quantity of land, three acres at least; the silver medal.

The same premium is extended to the year 1773. The accounts to be delivered on or before the first Tuesday in November 1773.

The

The Society expect to receive a particular account of the management of the land, from the sowing of the Beans, to the last time of hoeing or cultivating the Turneps, with an account of the quantity of land, the produce, the soil, the aspect, and the method and time of eating them off.

N. B. The Society have been credibly informed, that turneps have been drilled between horse-hoed, and sown in the broad-cast way among planted Beans, to great advantage. The time of sowing the Turneps recommended to the Society is about Midsummer.

The same premium is extended to the year 1774. The accounts to be delivered on or before the first Tuesday in November 1774.

80. NATURAL GRASSES. To the person who shall give the most satisfactory account of the different properties and comparative value of any two or more of the several natural grasses; the gold medal.

81. For the account next in merit, the silver medal.

It is required that each grass be sown separately, and an acre at least allotted for each grass; that the whole be mowed the second year, and fed the third year with sheep and black cattle.

The certificates must specify the nature of the soil, which grass produced the most valuable crop of hay, as to quantity or quality, which made the most promising shoot after mowing, and which retained its verdure and vigour most for a late aftermath, which made the earliest shoot in the Spring of the third year, and which Grass or Grasses the separate cattle appeared most to like. For this experiment it is required the several acres of Grass lye adjoining in the same field, and that a proper quantity of stock be kept on them the whole third year.

As in this experiment it is impossible to ascertain the just proportion of the different cattle, it is earnestly recommended to the candidate to pay due attention to the increase or diminution of either sort, as circumstances require.

N. B. The Dwarf-Poa ought not to be mowed being an annual, but will be admitted in the number, notwithstanding what is required in regard to mowing the rest in the second year.

CERTIFICATES to be delivered on or before the first Tuesday in February 1773, and proper specimens of
each

each of the Grasses, when ripe, to be produced with the Certificates.

82. The same premium will be given on the like conditions for natural Grasses the succeeding year.

The account to be produced to the Society on or before the first Tuesday in February 1774.

83. The same premium will be given on the like conditions for natural grasses the succeeding year.

The account to be produced to the Society on or before the first Tuesday in February 1775.

N. B. The several Grasses to be compared, to be sown on as similar soils as possible.

84. SOWING BURNET WITH NATURAL GRASSES. For an account of the best experiments made on at least ten acres of land to determine the utility of sowing Burnet with natural Grasses. To be delivered on or before the first Tuesday in December 1775; twenty pounds, or the gold medal.

The quantity of Burnet seed sown, the kinds of Grass or Grasses sown with it, the nature of the soil, appearance of the Burnet each year, annual produce, and its effects in feeding cattle are to be specified.

85. TURNIP-ROOTED CABBAGE. For raising and duly cultivating turnip-rooted cabbage in the year 1771, for the feeding cattle or sheep, on the greatest number of acres, not less than twenty, and giving an account of the soil, culture, time, and manner of feeding off, produce, and the effects on cattle or sheep fed with it; twenty pounds.

86. For the next greatest number of acres, not less than ten, ten pounds.

87. For the next, not less than five acres, five pounds.

CERTIFICATES, agreeably to the above conditions, to be produced on or before the last Tuesday in October 1772.

N. B. The plant, here called the Turnip-rooted Cabbage, is not the same with the common Turnip Cabbage, but that kind newly introduced into this country.

88. The same premium on the same conditions is extended to the year 1772.

CERTIFICATES to be produced on or before the last Tuesday in October 1773.

89. CUL-

89. CULTIVATING ROOTS AND HERBAGE FOR FEEDING SHEEP AND BLACK CATTLE. For the most satisfactory experiments made on strong land in order to ascertain which of the following plants can be cultivated, and housed, or otherwise secured for winter fodder to the greatest advantage, viz.

Turnep-rooted Cabbage
Turnep Cabbage,
Turneps,

Carrots,
Parsneps,
Potatoes.

The account to be produced on or before the first of November 1772; the gold medal, or twenty pounds.

It is required that the above roots be taken off the land by the beginning of September, or at farthest by Michaelmas Day, that a crop of wheat may be sown in the same ground, and the particulars of the sowing and planting, taking up, produce, preservation and application to the feeding Sheep or Black Cattle, be specified. The comparative experiment must be made between two or more of any of the abovementioned plants, and not less than two acres be cultivated with each particular kind of plant.

N. B. Great advantage will arise to the farmer occupying strong land in the neighbourhood of extensive commons from the conveniency of keeping large flocks of sheep and herds of cattle, if the difficulty of supporting them through the winter was supported by a due knowledge of this practice.

90. The same premium will be given on the like conditions for experiments made in the year 1772; the accounts to be produced on or before the first of November 1773.

91. The same premium will be given for experiments made in the year 1773; the accounts to be produced on or before the first of November, 1774. The roots to be taken off the land by the last day of October 1773.

92. COMPARISON BETWEEN ROOTS AND HERBS. For an account of the best set of experiments to ascertain the comparative merit of the herbs and roots below specified, in feeding sheep or black cattle.

To be produced on or before the first Tuesday in May 1772; the gold medal or twenty pounds.

No. I.
Cabbage,
Colewort,
Borecole,
Anjou Cabbage,
Coleseed,

No. II.
Turnep-rooted Cabbage,
Turnep Cabbage,
Turneps,
Carrots,
Parsneps,
Potatoes.

The comparison to be made between any two or more of the plants in the column No. 1. and an equal number of the plants in the column No. 2. the quantity of land to be at least an acre for each of the plants; and each comparative experiment to be made in a similar soil.

It is required that the particulars of the sowing, or planting, taking up, produce, and application to the feeding sheep or black cattle be specified.

N. B. It is the intention of the Society to give only one premium for the best set of experiments under the above advertisement.

The same premium on the same conditions is extended to the year 1773; Certificates to be brought in on or before the first Tuesday in May, 1773.

93. BORECOLE. For sowing in the autumn of the year 1771, or in the spring of the year 1772, and duly cultivating Borecole for the feeding of sheep and black cattle on the greatest quantity of land, (not less than three acres) and giving an account of the time of sowing, and planting out, distance of the plants, soil, culture, produce, and effects on cattle or sheep fed with it; twenty pounds.

94. For the next greatest quantity of land not less than two acres, fifteen pounds.

CERTIFICATES to be produced on or before the first Tuesday in November 1773.

95. The same premium is extended to the year 1773.

CERTIFICATES to be produced on or before the first Tuesday in November 1774.

96. UTILITY OF POTATOES. For the most satisfactory experiments to ascertain the Utility of Potatoes in feeding black cattle; the gold medal.

It is required that the number of cattle so fed, be not less than five.

For

97. For the most satisfactory experiments to ascertain the Utility of Potatoes in feeding sheep; the gold medal.

It is required that the number of sheep so fed be not less than twenty.

98. For the most satisfactory experiments to ascertain the Utility of Potatoes in feeding hogs; the gold medal.

It is required that the number of hogs so fed be not less than ten.

99. For the most satisfactory experiments to ascertain the Utility of Potatoes in feeding colts or horses; the gold medal.

It is required that the number of colts or horses so fed, be not less than three.

N. B. The quantity of food given must be weighed; as also the black cattle, sheep, and hogs, both before and after fattening, and an exact account of every other particular relative thereto, specifying the breed and age of such black cattle, sheep, and hogs; to be produced to the Society on or before the last Tuesday in March 1773.

100. UTILITY OF CARROTS. The same premiums will be given on the same conditions for feeding black cattle, sheep, hogs, and horses, or colts on carrots.

The accounts to be produced on or before the last Tuesday in March 1773.

101. REARING BLACK CATTLE WITHOUT MILK. For an account of the best method of rearing Black Cattle without Milk, excepting the first four days, verified by experiments; the gold medal.

The accounts to be produced to the Society on or before the first Tuesday in February 1773.

102. REARING AND FATTENING HOGS. For the best account of the most profitable method of rearing and fattening Hogs, verified by experiments; to be delivered to the Society on or before the first Tuesday in February 1773; twenty pounds, or the gold medal.

103. MADDER. The sum of twenty-five pounds will be given to the person who shall produce the greatest quantity of dry and clear Madder roots, being of not more than three years growth, and not less than forty hundred weight, from one acre.

104. For

104. For the next greatest quantity, not less than thirty hundred weight, fifteen pounds.

105. For the third greatest quantity, not less than twenty hundred weight, ten pounds.

The above roots must be fit for market, viz. dried by wind or otherwise, threshed and cleaned as wheat or other grain.

It is expected that each claimant, do send a sample of seven pounds weight to the Society, with proper Certificates of the whole quantity being of the same quality, on or before the first Tuesday in November 1772; as also a Certificate of its being the produce of one acre; and likewise a full account of the method of culture and cure.

106. The sum of twenty-five pounds will be given to the person who shall produce the greatest quantity of dry and clean Madder roots, not less than forty hundred weight, from one acre.

It is expected that each claimant, do send a sample of seven pounds weight to the Society, with proper Certificates of the whole quantity being of the same quality, on or before the first Tuesday in November 1773; as also a Certificate of its being the produce of one acre; and likewise a full account of the method of culture and cure.

N. B. In all the Certificates sent in, the descriptive names of the fields, such as they are known by in the leases or otherwise, must be specified.

107. The gold medal will be given to the person who shall send the best account of the manner of cultivating Madder, verified by his own experiments, provided the same be an improvement on the methods commonly practised.

To be produced to the Society on or before the last Tuesday in December 1772.

108. The like premium will be given on the same conditions, for the best account of cultivating Madder, the succeeding year.

To be produced to the Society on or before the last Tuesday in December 1773.

109. The sum of twenty-five pounds will be given to the person who shall produce from one acre of land the greatest quantity of Madder, properly prepared for the use of manufacturers, not less than thirty-two hundred weight

weight, specifying the different sorts into which it is divided, and the quantity of each sort.

110. For the next greatest quantity, not less than twenty-five hundred weight, fifteen pounds.

111. For the next greatest quantity, not less than seventeen hundred weight, ten pounds.

It is expected that each claimant do send a sample of two pounds weight of each sort, with proper Certificates of the whole quantity being of the same quality, on or before the first Tuesday in November 1774; as also a Certificate of its being the produce of one acre, and likewise a full account of the method of culture and preparation.

112. CULTIVATING THE TRUE RHUBARB. For raising before the end of the year 1773, the greatest number of plants, not less than one hundred, of the *Rheum Palmatum*, or true Rhubarb; the gold medal.

113. For the next greatest number, not less than fifty plants, the silver medal.

CERTIFICATES of the number of plants, that they stand at least six feet asunder, that they have been in a thriving state during the preceding summer, with an account of the soil, culture, and aspect; to be produced on or before the second Tuesday in February 1774.

114. CULTIVATING THE TRUE RHUBARB. For raising before the end of the year 1774, the greatest number of plants, not less than one thousand of the *Rheum Palmatum*, or true Rhubarb; the gold medal.

115. For the next greatest number not less than five hundred plants; the silver medal.

CERTIFICATES of the number of plants, that they stand at least six feet asunder, that they have been in a thriving state during the preceding summer, with an account of the soil, culture, and aspect; to be produced on or before the second Tuesday in February 1775.

116. IMPROVING LAND LYING WASTE. For the best account of a method for improving any of the following soils, being land lying waste or uncultivated

vated, viz. Clay, Loom, Gravel, Sand, Chalk, Limestone, Moor or Peat Earth, and Bog; verified by experiments on not less than ten acres of land; to be produced on or before the second Tuesday in December 1774; the gold medal for each.

117. To the next in merit; the silver medal. An account of the soil, manner of improvement, expence and product, are required to be fully explained.

118. ROLLING OR SCARIFYING GRASS LAND. To the person who shall by experiment determine whether it is most beneficial to Grass Land, to roll it with a heavy Roller, or to cut the surface two or more inches deep at small intervals, with an instrument commonly called a Scarificator (which is similar to a harrow composed of coulter instead of tines); a bush harrow and light roller being afterwards drawn over the part of the field thus scarified; the gold medal.

It is required that the above experiment be made on natural grass, whether old or new, meadow or upland, provided the same has been laid down at least three years, and that the experiment be continued for four years at least; an account of the nature of the soil, weight of the Roller, description of the Scarificator, depth to which it cuts, and the comparative success of each method; to be delivered on or before the first Tuesday in November, 1775.

119. TO ASCERTAIN THE PROPER DEPTH OF PLOUGHING. To the person who shall give the most satisfactory account, verified by accurate experiments, in order to determine the most proper Depth of Ploughing on clay or strong land; fifty guineas.

It is required that all experiments be made on similar soils lying near each other, that each experiment shall consist of two acres at least, that the deepest ploughing be at least four inches deeper than the reputed staple of the land or usual depth of ploughing, and that these experiments be continued during a course of six years, the same crops being sown the same year on the several spots. An account of the nature of the soil, different depths of ploughing, quantity of manure, if any laid on each spot, all expences and crops; to be delivered on or before the first Tuesday in January 1777.

120. To

120. To the person who shall, by like experiments on the abovementioned soils, determine the depth of ploughing most proper for land intended to be laid down in grass for pasture ; thirty guineas.

It is required that the ploughing be continued with or without crops, during the space of two years at least before the land is laid down in grass. An account of the nature of the soil, depths of ploughing, crops, if any, and produce of the grass whether mowed or fed during four years ; to be delivered to the Society on or before the first Tuesday in January 1777.

121. ASCERTAINING THE BEST COURSE OF CROPS ON A CLAY SOIL. To the person who shall give the most satisfactory account verified by comparative experiments, in order to ascertain the Course of Crops which with, or without a fallow, shall during the space of eight years, prove most profitable, and shall leave the land in the best state, on a Clay Soil ; fifty pounds.

It is required that such comparative experiments be made, on three acres at least in each mode ; the soil to be as contiguous and similar as possible : an account of the soil, management, and crops, to be delivered on or before the first Tuesday in January 1779.

122. ASCERTAINING THE BEST COURSE OF CROPS ON A DEEP LOAM. The same premium will be given on the like conditions, for similar comparative experiments on a deep loam.

123. PLOUGH TO CUT WATER-FURROWS IN ARABLE LAND. For the best Plough for cutting Water-Furrows in Arable Land, the earth to be thrown out on one side only, and the draught not to exceed four horses, or a proportionate number of oxen ; twenty pounds.

The ploughs to be produced to the Society on or before the first Tuesday in November 1772.

124. DRILL PLOUGH FOR HORSE BEANS. For the best Drill Plough for Horse Beans only in three rows one foot asunder ; to be produced to the Society on or before the first Tuesday in November 1772 ; twenty pounds.

It is expected the plough be strong and cheap, no variation of depth or distance being required.

*Premiums for Discoveries, and Improvements in
Chemistry and Mineralogy.*

125. KELP. For the best specimen of Kelp not less than one hundred weight equal in quality to merchantable Spanish Barilla; to be produced to the Society on or before the first Tuesday in February 1773, together with Certificates of its being made in Great Britain, and of the sea weed commonly called Kelp or Alga; twenty pounds, or the gold medal.

126. BARILLA. For the greatest quantity of merchantable Barilla, not less than one ton, made from the Spanish Kali, raised in Great Britain; to be produced on or before the first Tuesday in February 1773; twenty pounds, or the gold medal.

The same premium is extended to the year 1774.

127. BLACK LEAD. For the greatest quantity of Black Lead, not less than six tons, produced in any of his Majesty's dominions belonging to the Crown of Great Britain, and imported into any Port of England, in the year 1772; Certificates of such Black Lead being produced in some of his Majesty's dominions belonging to the Crown of Great Britain, and also Certificates from the proper officer of the Port of such importation, with specimens of not less than fifty pounds weight; to be delivered to the Society before the first Wednesday in February 1773; the gold medal, or thirty pounds.

128. For the greatest quantity of Black Lead, not less than six tons, produced in any of his Majesty's dominions, and imported into any Port in England, in the year 1772; Certificates of such Black Lead being produced in some of his Majesty's dominions, and also Certificates from the proper officer of the Port of such importation, with specimens of not less than fifty pounds weight; to be delivered to the Society before the first Wednesday in February 1773; the gold medal.

129. GLASS FOR OPTICAL PURPOSES.
For the best specimen of Glass, not less than twenty
pounds

pounds weight, fit for the general purposes of Opticians, and superior to any commonly made; to be produced on or before the first Tuesday in February 1773; twenty pounds.

N. B. The glass for the general purposes of Opticians should be made as light as possible.

130. PLATES OF GLASS. For the greatest number of Plates of Glass made in England, not fewer than twelve, of a size not less than 26 inches by 36, with the fire polish on them, as flat and thin as those imported from Holland, and equally fit for the purpose of glazing prints; to be produced to the Society on or before the first Tuesday in February 1773; twenty-five guineas.

N. B. It is expected the candidate shall give sufficient proof that he can sell the same at as cheap a rate as the foreign glass is now sold.

131. PRESERVING SEEDS of VEGETABLES. For the best method of preserving the Seeds of Plants in a state fit for vegetation, after having been kept a considerable time, such method being superior to any known to the public, and verified by sufficient trials; to be communicated to the Society on or before the first Tuesday in December 1772; the gold medal.

The same premium is extended to the year 1773. To be communicated on or before the first Tuesday in December 1773.

132. DESTROYING SMOKE. For the best account, ascertained by proper experiments, of a method of destroying Smoke, at the end of, or in the chimnies of fires belonging to large works or fire engines, in order to prevent annoyance; to be produced on or before the first Tuesday in February 1773; the gold medal.

133. WHITE COPPER. For the best specimen not less than six pounds weight of the metallic composition, called White Copper, in the same perfection as that brought from China or Japan, and which may be sold as cheap as that imported.

To be produced on or before the first Tuesday in January 1773; fifty pounds, or the gold medal of the Society.

N. B. The Society will expect a satisfactory counter proof that the specimen produced was really made by the person to whom the premium shall be adjudged.

134. ACCOUNT OF BLEACHING. For an account of the best and cheapest method of Bleaching linen, being an improvement on the methods now in use; to be produced to the Society, with a sample of linen, not less than twenty yards, bleached according to such method, on or before the second Tuesday in February 1773; twenty pounds, or the gold medal.

135. PREVENTING THE ILL EFFECTS OF MERCURY IN WATER GILDING. To the person who shall discover to the Society the most effectual method of preventing the ill effects of Mercury in Water Gilding Silver, Copper, or other Metals; twenty guineas, or the gold medal.

To be produced to the Society on or before the second Tuesday in December 1772.

N. B. The cheapness of the method will be considered as a material Excellence, the chief object of this premium being the preservation of the health of poor workmen.

136. RESTORING CARVINGS, &c. IN IVORY. To the person who shall discover to the Society an effectual method of restoring the colour of Carvings and other works in Ivory, which are become yellow or discoloured by time, to their original, or an agreeable white, without impairing the work, or damaging the Ivory; twenty guineas: to be produced on or before the second Tuesday in December 1772.

Premiums for promoting the Polite Arts.

137. HONORARY PREMIUMS FOR DRAWINGS. For the best Drawings of any kind, made with chalk, black lead, pen, Indian ink, or bister, by young gentlemen under the age of twenty-one, sons of Peers or Peereffes in their own right, of Great Britain or Ireland; to be produced on or before the first Tuesday in March 1773; the honorary medal of the Society in gold.

138. The same in silver, for the second in merit.

139, 140. The same premiums will be given, on the like conditions, to young ladies, daughters of Peers or Peereffes in their own right, of Great Britain or Ireland.

141. DRAWING OF OUTLINES. For the best Outline of a human figure or figures, after a picture or drawing, by persons of either sex, under the age of sixteen, the principal figure not less than twelve inches; to be produced on or before the last Tuesday in October 1772; the greater silver pallet.

142. For the next in merit, the lesser silver pallet.

N. B. These Outlines are to be made on paper with chalks, black lead, pen, Indian ink, or bister, and are to be of a different size from the original, which must be produced at the same time.

143. DRAWINGS AFTER PICTURES, &c. For the best Drawing of a naked human figure, not less than sixteen inches high, after a picture, print or drawing, by youths under the age of sixteen; to be produced on or before the last Tuesday in November 1772; the greater silver pallet.

144. For the next in merit, the lesser silver pallet.

The Drawing to be made with chalk or black lead, and of a different size from the original, which must be produced at the same time.

145. DRAWINGS OF LANDSCAPES. For the best Drawings of Landscapes, after nature: to be produced on or before the second Tuesday in November 1772; the gold pallet.

146. For

146. For the next in merit, the greater silver pallet.

147. For the next in merit, the lesser silver pallet.

Each candidate must mention, on the front of his Drawing, from whence he took his view; and the drawings must be made with chalk, pen, Indian ink, or bister.

148. HISTORICAL DRAWINGS. For the best Historical Drawing, being an original composition of five or more human Figures, the height of the principal figure not less than eight inches; to be made with chalk, black lead, pen, Indian ink or bister; and to be produced on or before the first Tuesday in February 1773; the gold pallet.

149. DRAWINGS OF FRUIT, FLOWERS, OR PLANTS. For the best Drawing or composition after nature of Fruit, Flowers or Plants, to be made with crayons, or water-colours, by persons of either sex under the age of one and twenty; to be produced on or before the third Tuesday in October 1772; the greater silver pallet.

150. For the next in merit the lesser silver pallet.

151. DRAWINGS OF BEASTS OR BIRDS. For the best drawing or composition after nature of Beasts or Birds, to be made with crayons or water-colours, by persons of either sex, under the age of one and twenty; to be produced on or before the second Tuesday in October 1772, the greater silver pallet.

152. For the next in merit the lesser silver pallet.

153. PATTERNS FOR SILK WEAVERS. For the best original Pattern or Patterns fit for the loom, in a new taste, by persons of either sex, under the age of twenty-one years; to be produced on or before the second Tuesday in January 1773; the gold pallet.

154. For the next in merit; the greater silver pallet.

155. For the next in merit; the lesser silver pallet.

156. PATTERNS FOR CALLICOE PRINTERS. For the best original Pattern in a new taste, of light or dark-ground Chintz, fit for the purposes of Callicoe

Callicoe Printers by persons of either sex, under the age of twenty years; to be produced on or before the last Tuesday in October 1772; ten guineas.

157. For the next in merit; five guineas.

158. For the best original Pattern in a new taste, proper for Copper Plates fit for the purpose of Callicoe Printers, for furniture or garments, by persons of either sex, under the age of twenty years; to be produced on or before the last Tuesday in October 1772; ten guineas.

159. For the next in merit; five guineas.

160. MODEL OF A CHANDELIER. For the best Model of a Table Chandelier, on a new design and of a size for use; to be produced to the Society on or before the last Tuesday in December 1772; ten guineas.

161. For the next in merit five guineas.

162. MODEL OF A VASE. For the best model of an elegant ornamented Vase, not less than twelve inches high, by youths under the age of twenty-one years, to be produced on or before the last Tuesday in December 1772; the greater silver pallet.

163. For the next in merit, the lesser silver pallet.

164. MODEL OF HOUSHOLD FURNITURE. For the best model of any piece of ornamental Household Furniture, of a size fit for use; to be produced to the Society, on or before the last Tuesday in December 1772; five guineas.

165. For the next in merit, three guineas.

No person who has gained the first premium in any class will be admitted a candidate in a class of an inferior age; and no candidate shall receive more than one premium in one year; nor will they, who for two successive years shall gain the first premium in any one class, be ever again admitted as candidates in that class.

No person shall ever be admitted a candidate in any class, in which he has three times obtained the whole of the first premium.

Person:

Persons to whom premiums shall be adjudged, will be expected to give satisfactory proofs that the performances by them produced are entirely their own, without assistance.

No candidate shall send in more than one performance in any one class, as doing otherwise will be deemed a disingenuous practice.

All the claims which are produced each year, before the Committee of Polite Arts (as well as those which do not obtain premiums or bounties, as those that do) are to remain with the Society till the end of May.

No claim for a premium in the Polite Arts will be admitted, that has obtained, or has been produced in order to obtain, a premium, reward, or gratification, from any other society, or any academy or school.

All performances that obtain premiums in the Polite Arts must be begun after the Publication of such premiums, unless there be a particular exception in the Advertisement.

Premiums for encouraging and improving Manufactures.

166. MULBERRY TREES AND SILK. To the person or persons in any part of England, who shall plant, on or before the first of May 1770, one acre of a light and moist soil with standard Mulberry Trees, of the white or black sort, or with both sorts, six feet high, and at ten or twelve feet distance from each other, fenced in and properly dug and kept clean from weeds, for the use and purpose of feeding Silk Worms; and who shall in the year 1772, from the leaves of the said plantation, feed Silk Worms, and make the greatest quantity (not less than twenty pounds averdupois) of good clean raw Silk, from eight to ten cocoons in one thread, to be sent to the Society on or before the second Wednesday in December 1772; with proper Certificates of its being that year's produce of such plantation; the sum of one hundred pounds: and in case there be two or more claimants, the sum to be divided amongst them, and the Silk to be returned to the respective proprietors.

167. The same premium will be continued for planting in the year 1771; and for the feeding Silk Worms, and making Silk in the year 1773; to be sent to the Society, with proper Certificates, on or before the second Wednesday in December 1773.

168. The same premium will be continued for planting in the year 1772; and for the feeding Silk Worms, and making Silk in the year 1774; to be sent to the Society, with proper Certificates, on or before the second Wednesday in December 1774.

169. PLANTS OR CUTTINGS OF MULBERRY TREES. For planting and properly fencing in the year 1771, the greatest extent of land, not less than one acre, with black or white Mulberry Trees, or Cuttings, in order to feed Silk Worms with the leaves; such Trees or Cuttings not to be more than twelve feet asunder; the gold medal.

CERTIFICATES of the planting and fencing, setting forth the number of Trees and Cuttings, as well as of the quantity of ground, with a declaration in writing from the candidates that the plantation is made with a view of feeding Silk Worms, must be sent to the Society on or before the first Tuesday in January 1773.

170. For the second greatest quantity of land so planted; the silver medal.

171. SILK. For the greatest quantity of merchantable Silk, not less than five pounds, produced by any one person in England, in the year 1772; the gold medal.

Specimens of the Silk, not less than one pound, with Certificates that the whole is of equal quality, and produced in England, to be delivered to the Society on or before the first Tuesday in January 1773.

172. For the second greatest quantity, not less than two pounds; the silver medal.

173, 174. The same premiums will be continued for the year 1773; the Certificates to be delivered on or before the first Tuesday in January 1774.

175. SILK WORMS. For an account of the best method of breeding and treating of Silk Worms, in order to the obtaining Silk, verified by experiments, with specimens of the Silk so obtained; to be produced on or before the first Tuesday in December 1772; the gold medal.

176. MULBERRY CUTTINGS. For raising the greatest number of white or black Mulberry Trees, not less than one hundred, from Cuttings, in the year 1769, which shall be growing in September 1772; Certificates of such raising and growth, with the manner of culture, to be produced to the Society on or before the first Tuesday in November 1772; twenty pounds.

177. For raising the greatest number of white or black Mulberry Trees, not less than one hundred, from Cuttings in the year 1770, which shall be growing in September 1773.

Certificates of such raising and growth, with the manner of culture, to be produced to the Society on or before

before the first Tuesday in November 1773; twenty pounds.

178. For raising the greatest number of white or black Mulberry Trees not less than one hundred, from Cuttings in the year 1771, which shall be growing in September 1774.

Certificates of such raising and growth, with the manner of culture, to be produced to the Society on or before the first Tuesday in November 1774; twenty pounds.

179. MILLED CAPS. For the best specimen of Milled Caps, manufactured in England, like those made at Orleans; the samples of which are not to be less than six dozen, viz. two of Castor, two of Segovia wool, and two of English wool, to be determined in proportion to their merits; to be produced on or before the last Tuesday in January 1773; thirty guineas.

Specimens of the proper sorts are left at the Society's office for the inspection of such as are willing to be candidates.

180. BLACK SILK LACE. To the gentleman or lady who shall cause the greatest number of girls in any one parish to be taught the art of weaving black Silk Lace; the gold medal. Certificates to be produced on or before the last Tuesday in December 1773.

181. RED LEATHER. For the greatest number of Skins, not less than five hundred, dyed red in England in the year 1773, equal to the best brought from Turkey or Lisbon; thirty pounds.

182. For the next greatest number, not less than four hundred skins; twenty pounds.

At least twenty skins are to be produced to the Society as a specimen, and Certificates of the rest being in the hands of the manufacturer, or sold to some persons of credit, to be produced to the Society on or before the last Tuesday in January 1774.

183. RED LEATHER. For the best specimens of skins dyed red in Great Britain, superior to the best brought from Turkey or Lisbon, being not less than

twelve in number ; to be produced to the Society on or before the last Tuesday in March 1773 ; ten pounds.

N. B. The process purchased by the Society for the dyeing red and yellow Leather, as practised in Turkey, is published by order of the Society, in the first volume of the Memoirs of Agriculture ; printed by John Nourse, bookseller in the Strand.

184. WEAVING FISHING NETS. For the best specimen of Fishing Nets, not less than twenty yards long, and ten yards wide, woven in a loom or other machine, the meshes to be at least one inch square ; to be produced to the Society on or before the second Tuesday in January 1773 ; twenty guineas.

185. MACHINE FOR CARDING SILK. For the best machine for carding waste Silk, equally well as by hand ; to be produced, together with a specimen of the Cardings, on or before the first Tuesday in November 1772 ; twenty-five pounds.

*Premiums for Inventions in Mechanics.***186. MACHINE TO LAY IN THE GROUND ON COPPER PLATES FOR METZOTINTO.**

For the best Invention of a Machine to lay in the Ground on Copper Plates, in order to their being work'd in Metzotinto, in a better and more expeditious manner ; to be produced on or before the last Tuesday in February 1773 ; thirty guineas.

187. ENGINE FOR BRUISING OATS AND MALT. For the best Engine to be worked by men for bruising Oats and Malt, which shall exceed in utility any hitherto known, or in use ; to be produced to the Society on or before the first Tuesday in December 1772 ; twenty pounds.

N. B. Strength and simplicity in the construction, and cheapness of the machine, will be considered as part of its merit.

188. MACHINE FOR DRAINING LAND. For working model, on a scale of three inches to a foot, of the most simple, cheap, and effectual construction of a Pump or other engine, for raising water at least four feet high, for the purpose of draining land. The Pump or Engine at large to be easily moveable from place to place, and to be worked by wind ; twenty guineas ; to be produced on or before the first Tuesday in February 1773.**189. MACHINE FOR TRANSPORTING TIMBER.** To the person who shall produce to the Society a model upon a new construction, of the best, most simple and cheap Machine or Carriage for Transporting Timber, or other heavy materials on soft or clayey roads at the least expence ; to be sent in on or before the last Tuesday in October 1772 ; ten guineas.**190. STRAW CUTTER.** For the best Machine for cutting Straw, (commonly called a Chaff-cutter) superior to any now in use, and which may be readily worked by a person who hath not been accustomed to cut chaff ; ten guineas ; to be produced on or before the first Tuesday in February 1773.

N. B. Simplicity in the construction and cheapness of the Machine, will be considered as part of its merit.

Premiums

Premiums offered for the Advantage of the British American Colonies.

191. VINES FOR RAISINS. To that person who shall, on the first of September, 1774, have or be possessed of a vineyard or plantation, in any part of his Majesty's dominions in America, consisting of the greatest number of Vines (not less than fifty) actually producing the Malaga grape, or the Red Smyrna grape, from which Raisins are made; the gold medal.

192. For a like plantation or vineyard, consisting of not less than twenty five plants, producing the said grapes; the silver medal.

The claimants for the above premiums must at the time of making the claim, produce a quantity (not less than six pounds) of raisins, certified to have been actually produced from Vines for which the premium is claimed.

The same premium on the same conditions is extended to the year 1775.

193. WINES. For the greatest quantity of good Wine, not less than two hogsheds, made in the year 1775, from grapes produced by vines of any of the kinds yielding wines in Europe, that shall have been planted after the first of January 1771, in any part of his Majesty's dominions in America; the gold medal.

194. For the next greatest quantity not less than one hoghead, the silver medal.

CERTIFICATES of the quantity and quality of such wine, and of the state of the vineyard where the vines grew, from two or more persons of known credit residing in the province; to be delivered to the Society, with a sample of not less than three gallons of the wine, before the end of the year 1776.

195. AMERICAN VINES. For the greatest number, not less than two thousand plants, of the natural Vines of America, which bear grapes fit for making Wines, properly planted out as a vineyard, fenced, cultivated, and secured, between the first of February 1769, and the first of February 1772, in any part of his Majesty's dominions in America; the gold medal of the Society.

196. For the second greatest number, not less than one thousand plants, on the same conditions, the silver medal.

197. The

197. The same premiums are extended to the year 1773.

198, 199. The same premiums are further extended to the year 1774.

The claims upon the foregoing articles of culture to be respectively ascertained, by a Certificate under the hand of some magistrate, or chief officer of the county, parish, township, or other division of the colony, within which the article for which the premium is claimed has been planted; that the said article, expressing the number of plants, and the name of the planter, has, of his own knowledge, or has been proved before him to have been planted, and effectually secured and cultivated, within the said colony, between the times specified in the advertisement; and was under actual and proper culture at the time of signing such Certificate.

N. B. The claims arising from all the foregoing articles, relative to the colonies must be made, and the Certificates be brought into the Society, together with a gallon of wine made from the said grapes, within four months after the dates mentioned in the respective advertisements.

It is desired that the claimants do describe the soils and aspects of the vineyards which produced the preceding articles.

200. AMERICAN COTTON. For the best specimen, not less than ten pounds, of Cotton, produced in the British dominions in America, equal to the fine Brazilian Cotton; to be produced, with Certificates of the place of growth, on or before the first Tuesday in January 1773; the gold medal.

201. The same premium is extended to the year 1774.

202. ANNATTO. For the greatest quantity, not less than two tons of Annatto, equal to the best imported, produced in his Majesty's dominions in America, and imported into the port of London in the year 1772; fifty pounds.

CERTIFICATES of the production of the Annatto, from some persons of known character residing near the place, and of the importation from the proper officers of the customs in the port of London, with specimens of ten pounds weight, taken out of the whole parcel; to be produced to the Society on or before the first Tuesday in April 1773.

203. The

203. The same premium is extended to the year 1773.

CERTIFICATES to be sent on or before the first Tuesday in April 1774.

204. For the greatest quantity not less than five hundred weight of Annatto, equal to the best imported, produced in any part of his Majesty's dominions in America, and imported into the port of London in the year 1773; fifty pounds.

CERTIFICATES to be delivered on or before the first Tuesday in April 1774.

205. The same premium is extended to the year 1774.

CERTIFICATES to be delivered on or before the first Tuesday in April 1775.

206. For the best specimen of Annatto, not less than six pounds weight, produced in any part of his Majesty's dominions in America, equal to the best Spanish Annatto; to be produced to the Society with Certificates of the place of production, on or before the end of the year 1773; the gold medal.

207. INDIGO. For the best specimen of Indigo, made in his Majesty's dominions in America, equal to Guatiamala Indigo, not less than four pounds; to be produced to the Society, with Certificates of the place where it was made, and an account of the culture and process, on or before the first Tuesday in February 1773; the gold medal.

208. The same premium is extended to the year 1774.

209. ZEBRA WOOD. For the greatest quantity, not less than six thousand superficial feet, of the variegated wood proper for fineering, called Zebra Wood, imported into the port of London, in the year 1772; the gold medal.

Proper Certificates of such importation to be made, and a specimen of not less than two hundred superficial feet, to be produced to the Society before the first of April 1773.

210. The same premium is extended to the year 1773.

CERTIFICATES to be produced before the first of April 1774.

General Conditions.

The Society reserve to themselves the power of giving, in all cases, such part only of any premium as the performance shall be judged to deserve, or of withholding the whole, if there be no merit.

It is required, that the matters, for which premiums are offered, be delivered in without names, or any intimation to whom they belong; that each particular thing be marked in what manner each claimant thinks fit, such claimant sending with it a paper sealed up, having on the outside a corresponding mark, and on the inside the claimant's name and address.

No papers shall be opened but such as shall gain premiums, all the rest shall be returned unopened; with the matters to which they belong, if enquired after by their marks within two years; after which time, if not demanded, they shall be publicly burnt, unopened, at some meeting of the Society.

All the premiums of this Society are designed for that part of Great Britain called England, the dominion of Wales, and the town of Berwick upon Tweed, unless expressly mentioned to the contrary.

The claims shall be determined as soon as possible after the delivery of the specimens.

No person shall receive any premium, bounty, or encouragement from the Society, for any matter for which he has obtained a patent.

A candidate for a premium, or person applying for a bounty, being detected in any disingenuous method to impose on the Society, shall forfeit such premium or bounty, and be deemed incapable of obtaining any for the future.

The performances which each year obtain premiums or bounties, are to remain with the Society until the end of May.

No member of this Society shall be a candidate for, or intitled to receive any premium, bounty, or reward whatsoever, except the honorary medal of this Society.

By order of the Society,

SAMUEL MORE, Secretary.

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N. B.

N. B. Any information or advice that may forward the designs of this Society for the public good, will be received thankfully, and duly considered, if communicated by letter, addressed to the Society, and directed to Mr. More, the Secretary, at the Society's Office, opposite Beaufort Buildings in the Strand, London.

* * * In case any person should be inclinable to leave a sum of money to this Society by will; the following form is offered for that purpose.

Item, I give and bequeath unto A. B. and C. D. the sum of _____ upon condition, and to the intent, that they, or one of them, do pay the same to the Collector for the time being, of a Society in London who now call themselves the Society for the Encouragement of Arts, Manufactures, and Commerce; which said sum of _____ I will and desire may be paid out of my personal Estate, and applied towards carrying on the laudable designs of the said Society.

CLAIMS to be made and CERTIFICATES to
be brought in on or before

Anno 1772.

May 1st Tuesday.

June the 1st Day.

October 2d Tuesday.

3d Tuesday.

Last Tuesday.

November 1st Tuesday.

2d Tuesday.

Last Tuesday.

December 1st Tuesday.

2d Tuesday.

Last Tuesday.

{ COMPARISON between
Roots and Herbs.

American Vines.

Drawings of Beasts or Birds.

{ Drawings of Fruit, Flowers, or
Plants.

{ Drawings of Outlines, Patterns
for Callicoe Printers, Machine
for transporting Timber, culti-
vating Wheat in the Spring,
Turnep-rooted Cabbage.

{ Acorns, Chesnuts, Elm, Mad-
der, Plough to cut Water Fur-
rows in Arable Land, Drill
Plough for Horse Beans, Mul-
berry Cuttings, Machine for
Carding Silk, Turneps among
Beans, cultivating Roots and
Herbs for feeding Sheep and
Black Cattle.

{ Drawings of Landscapes. Lom-
bardy or Po Poplar.

Drawings after Pictures.

{ Ascertaining Distances of Rows
in Drill Husbandry, Silk Worms,
Engine for bruising Oats and
Malt. Lucerne, Sainfoin, Bur-
net, Turneps, preserving Seeds.

{ Preventing the ill Effects of
Mercury in Water Gilding, Re-
storing Carvings, &c. in Ivory.
Mulberry Trees and Silk.

{ Scotch Fir, Norfolk Willow,
Occidental Plane Tree, Alder,
Upland or Red Willow. Model
of a Chandelier, model of a Vase,
Model of Household Furniture.
Madder.

Anno 1773.

January 1st Tuesday.

{ White Copper, Silk, American
Cotton, Mulberry Plants.

2d Tuesday.

{ Patterns for Weavers, Fishing
Nets.

Last Tuesday.

Weymouth Pine, Milled Caps.

February 1st Tuesday.

{ Natural Grasses, Rearing Black
Cattle without Milk, Rearing
and Fattening Hogs, Quantity
of Corn to be sown, Kelp, Ba-
rilla, Black Lead, Plates of
Glass, Glass for Optical Pur-
poses, Destroying Smoke, Hi-
storical Drawings, Machine for
draining Land, Indigo, Straw
Cutter.

2d Tuesday.

Account of Bleaching.

Last Tuesday.

{ Machine to lay in the Ground
for Metzotinto.

March 1st Tuesday.

{ Honorary Premiums for Draw-
ings.

Last Tuesday.

{ Utility of Potatoes, Utility of
Carrots.

April 1st Tuesday.

Annatto, Zebra Wood.

A P P E N D I X.

PREMIUMS ADJUDGED IN CONSEQUENCE OF THE ADVERTISEMENTS IN 1771.

A G R I C U L T U R E.

- Class 1. For setting or } To *John Leech*, Esq; of
sowing Acorns. } *Witley, Surry*, forty-nine
Acres, the Gold Medal.
- Class 84. For planting Al- } To *John Ramey*, Esq; of
der in the year 1769. } *Great Ormsby, Norfolk*,
eleven Acres, 30 Pounds.
- Class 72. For an Account } To *Mr. William Budd*, of
of rearing Black Cattle } *Wandborough, Surry*, the
without Milk. } Gold Medal.
- Class 62. For Turnep- } To *Mr. Henry Jessard*, of
rooted Cabbage. } *Minster*, in the Isle of
Thanet, upwards of five
Acres, five Pounds.
- Class 89. Destroying the } To *Mr. Thomas Green*, at
Red Spider. } her Majesty's Flower
Garden, *Kew*, 20 Pounds.
- Class 56. For planting } To *Mr. James Potter* of
Madder. } *Mitcham, Surry*, one
Acre, three Pounds.

C H E M I S T R Y.

- Class 109. Glass for } To *Mr. Richard Ruffel*,
Achromatic Telescopes. } jun. of *Well-street*, Part
of the Premium, forty
Pounds.

P O L I T E

P O L I T E A R T S.

- Class 135. Drawings from } To Mr. *George Pinto*, *Catherine Street*, first Premium the Gold Pallet.
Plaster.
- Ditto: To Mr. *George Farrington*, *Dean-street*, third Premium, the Silver Pallet.
- Class 128. Drawings of } To Mr. *George Farrington*, of *Dean-street, Soho*, first Premium, the Silver Pallet, gilt.
Landscapes.
- Ditto To Mr. *James Nassau Colleton*, *Orchard-street, Westminster*, second Premium, the Silver Pallet.
- Class 126. Drawings from } To Mr. *Charles Wilkin*, at *Mr. Perfect's, Wimpole-street*, first Premium, the Silver Pallet, gilt.
Pictures, &c.
- Ditto. To Mr. *John Phillimore*, at *Mr. Pars's Drawing-School*, in the *Strand*, second Premium, the Silver Pallet.
- Class 123. Patterns for } To Mr. *John Edwards*, of *Old Ford*, near *Bow*, *Middlesex*, first Premium, the Gold Pallet.
Weavers.
- Ditto. To Mr. *William Peachy*, of *Dean-street, Fetter-lane*, second Premium, the Silver Pallet, gilt.
- Ditto. To Mr. *Peter Seyer*, *Primrose-street*, third Premium, the Silver Pallet.
- Class 130. Historical Drawings. } To Mr. *Thomas Burgess*, of *Gloucester-street, Red-lion Square*, Part of the Premium, five Guineas.
- Class 131. Model of a Medal in Wax. } To Mr. *Lewis Pingo*, *Grays Inn Lane*, the Gold Pallet.
- Class 143. History Painting. To Mr. *James Durno*, jun. *Kensington Gravel-pits*, one hundred Guineas.

M E C H A N I C S.

Class 158. For a Machine } To Mr. *Elias Wilcox*, of
for bruising Oats and Malt. } *Tamworth*, Part of the
Premium, 12 Pounds.

Class 161. For an Account } To Mr. *Cuthbert Clarke*, the
of the Principles of con- } Gold Medal.
structing a Plough.

BOUNTIES AND PRESENTS IN 1771.

To Mr. *William Budd*, of *Wandborough*, *Surry*, for his
Field Culture of Parsnips, the Silver Medal.

To Mr. *Daniel Eaton*, of *Deen*, *Northamptonshire*, for his
Culture of Spring Wheat; the Silver Medal.

To Mr. *Gregson*, of *Rose Hill*, *Suffex*, for his Ingenuity,
and in Consideration of his Expence incurred on the
Society's Account, and at their Desire, ten Guineas.

To *Thomas Widdens*, Esq; of *Liverpool*, for his great
Zeal in effectually promoting the Views of the So-
ciety, by the Cultivation of Siberian Barley, and dis-
persing it into various Parts of the Kingdom; the Sil-
ver Medal.

To *William Halliday*, Esq; of *Aunfield*, near *Liverpool*,
for his great Zeal in effectually promoting the Views
of the Society by the Cultivation of Siberian Barley,
and Distribution thereof in *Ireland*, and various Places
in *England* and *Scotland*; the Silver Medal.

To *John Howard*, Esq; of *Cardington*, *Bedfordshire*, for
his Culture of the Clustered Potatoe, and rendering
them useful to the Public, by Means of the Society;
the Gold Medal.

To Mr. *Christopher Saverland*, at the Right Honourable
Lord *Hyde's*, for his Machine to level land; the
Gold Medal.

To Mr. *John Crow*, of *Feverham*, for his Culture and
Cure of Madder; the Gold Medal.

To Mr. *Preston*, of *Crooked-lane*, for his Bolting-mill;
ten Guineas.

To

- To the Honourable Miss *Nugent*, Daughter of Lord *Clare*, for a Drawing of a Landscape; the Silver Medal.
- To Mr. *Richard Hammond*, aged fifteen Years, for a Drawing of a Landscape; the greater Silver Pallet.
- To Miss *Anne Paltock*, of *Arlingham, Gloucestershire*, aged 10, for two Drawings of *Palmyra*; the lesser Silver Pallet.
- To Mr. *John Bacon*, of *Wardour-street, Soho*, for a Model of a Human Figure, as large as Life; twenty Guineas.
- To Mr. *John Robarton*, of the Academy at *Woolwich*, for two Drawings; the lesser Silver Pallet.
- To Mr. *Garvey*, of *Bath*, for a Landscape; ten Guineas.
- To Mr. *James Brunton*, of *Norwich*, for a Drawing of the Dancing Faun; the lesser Silver Pallet.
- To Mr. *Abraham Staghbold*, for his Jack for the Use of House and Ship-builders, twenty Guineas.
- To Mr. *John Almond*, for his ingenious and useful Loom; fifty Guineas.
- To Mr. *Henry Flower*, for his Sash Pulley; three Guineas.
- To Mr. *Phineas Cook*, of *Sheffield*, for his new constructed Auger, thirty Guineas.
- To Mr. *Delevitz*, for his Breast Wimble, ten Guineas.
- To Mr. *Christopher Sherb*, of *Carolina*, for planting Vines for Wines, fifty Pounds.
- To Mr. *John Sing*, of *Loughborough*, for a Machine for Doubling and Twisting; seven Guineas.
- To Mr. *Sebastian Clays*, for his Invention of an Index Ballance; the Silver Medal;

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