

The microscope assistant, or, Table of pleasing & proper objects for that delightful, rational, and instructive instrument : alphabetically arranged from successful experiments / By Joseph Taylor, Esq. author of The complete weather guide.

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MICROSCOPE ASSISTANT.

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THE
MICROSCOPE
ASSISTANT;
OR,
TABLE OF
PLEASING & PROPER OBJECTS
FOR THAT
DELIGHTFUL, RATIONAL, AND INSTRUCTIVE
INSTRUMENT:

Alphabetically arranged from Successful Experiments.

BY JOSEPH TAYLOR, ESQ.

*Author of the Complete Weather Guide, Antiquitates
Curiosæ, &c. &c.*

NON SINE LUMINE.

In an insect, or a flower,
Such microscopic proofs of skill and power,
As hid from ages past, God now displays,
To combat atheists with, in modern days.
Cowper.

LONDON:

PRINTED FOR AND SOLD BY R. EBSWORTH,
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1824.

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THE
MICROSCOPE
ASSISTANT.

A.

ANIMALCULES of all kinds, particularly interesting.
Anise-seeds, curious, when seen thro' a Microscope.
Ants' heads, legs, wings, and eggs, proper subjects.
Apricot skin, cut very thin, downy side upwards.
Ash-branches, cut transversely, very pretty.

B.

Beans cut in thin slices transversely.
Beard of Wheat Rye, Barley, &c.
Bees, sting of, a pretty object when magnified.
Beetles of every description, their wings, legs, &c.
Birds' small feathers, down, vermin, seed, &c.
Blessed Thistle seed, an interesting object.
Blood, human, and of Animals, full of transparent globules.

Bloom on plums and grapes, nothing but animalcule.
 Bones burnt, or shaved off nicely, very curious.
 Bread, when mouldy, appears like a forest.
 Briar-leaf, a particularly interesting object.
 Bugs, the coat, head, &c. of very small ones.
 Butterflies, every part wonderful and delightful.

C.

Centipedes' legs.
 Chemical preparations, Coloured fluids, very pretty.
 Cherries, skin of the fruit—Currants, skin of.
 Claws of Insects.
 Circulation of the blood to be seen in the limbs of
 small Crabs.
 Circulation of the blood in the tails of Shrimps and
 legs of small spiders.
 Circulation of the blood in the wings of Grasshoppers.
 Cod-fish, milt of.
 Copper Ore.
 Cork, small shavings of, numberless cells therein.
 Cotton, small pieces of.
 Crickets' legs, feelers, skin, &c.
 Crystals of Salt—Corals, small pieces of.
 Crystallized Cinnaber.

D.

Dandelion, seeds and down of, exquisite.
 Damp mouldy leather, resembles a thicket of trees.

Deal, small shavings of.

Decayed fruits, very interesting subjects.

Derbyshire spar, very small pieces of.

Diamond dust, and the dust of other precious stones.

Down of feathers, and skin, very beautiful.

Down of Peaches, and Quinces, and other fruits.

Down of Bean shells, and Lupin shells.

E.

Earwigs' claws, wings, legs, and the Insects that infest them.

Eels, in paste and sour vinegar, very curious.

Elm, root of.

F.

Farina of flours and plants, also of Butterflies.

Feathers of small Birds, downy part, very curious.

Fish skin, and fibres of Crabs, resemble fine linen.

Fishes' eyes, teeth, brain, gills, and transparent shell.

Fish, the tails and fins of very small ones, Stickle back, &c.

Fleas, very small ones, a pretty object.

Flies' heads, wings, legs, feelers, &c. very proper.

Flakes of Snow—Frost-hoar from Windows, &c.

Flint and Steel, small particles from the collision of.

Flour, Mites in.

Flowers, thin leaves of, very interesting.

Flowers of Grasses, Corn, and Fruits.

Fruits, rind of, pared very thin.

Fur of Animals.

G.

Garnet sand.

Glow-worm, under part very beautiful.

Gnat's head, wings, and legs, very beautiful.

Gooseberries, thorns and skin of.

Grasshopper's head, legs, and various parts of the body.

H.

Hail-stones.

Hairs of the head, of Hogs, Cats, Mice, and other Animals.

Hairs of plants, fruits, leaves, seeds, &c.

Hornet's wings, skin, sting, &c.

I.

Ice plants, very beautiful.—Ice, small pieces of.

Insects of all kinds, if small, proper objects.

Insects' eggs, nests, &c. very pretty.

L.

Ladybird's wings, head, and feelers, very fine.

Lawn, fine, when magnified, like coarse lattice work.

Lead, sulphuret of.

Lemon, the peel sliced very thin, and fruit cut transversely.

Lice, Animal and Vegetable, good objects.

Limbs of small Shrimps, and aquatic Animals.

Linen, very fine, small pieces of, good objects

Lizards, very small ones, all parts proper objects.

M.

Mandibles of Insects, very curious.

Milt of Cod, and other fishes.

Mites in Cheese, and Mites in Flour.

Mosses of all kinds, very curious, also Moss-seed.

Mould on Bread, Paste, Leather, Casks, &c. good.

Mushrooms, truffles, puff-balls, fungi, &c.

N.

Native Gold.

Needle Antimony.

Nectarine, the downy skin, cut very thin.

Nettles, stings of, very interesting objects.

O.

Orange peel, extreme thin slices, very pretty.

———— the fine skin of the sections, ditto.

Orange peel, the fruit cut transversely very thin.

Oyster, the clear liquor of, very curious.

P.

Palm leaf.

Paradise, grains of, a good object.

Parsley seeds, very curiously ribbed.

Paste when sour, variety of Eels to be found in.

Peaches, Plumbs, and other wall fruit, skin cut thin.

Pears and Apples, cut transversely or longitudinally.

Pearl sand from Scotland.

Plants, all transparent ones, very pretty.

Plantain, and all small seeds, divided.

Prince's feather seeds, divided, very pretty.

Puff balls, thin coat of, also the powder from.

R.

Razor, edge of the sharpest, when magnified, full of notches.

Rose flower, and bush leaf, very beautiful.

Rind of most fruits and Vegetables, cut thin.

Ribbon, small pieces of, very pretty.

R.

Salts, crystals of.

Sage leaves, resemble a coarse rug or carpet.

Sand, small particles of, very pretty.

Silk, small pieces of.

Silk-worms, webs, and all parts of their body, curious.

Silver native.

Skin of the human body, very thin slices of, very interesting object.

Skin of a Melon.

Spiders' heads, legs, claws, eggs, webs, and the Insects that infest them.

Spiral proboscis of the Butterfly, curious.

Sponges of all sorts.

Steel filings, very interesting objects.

Stings of Insects, ditto.

Strawberries, outward skin of, ditto.

Sweet briar leaves, very interesting.

T.

Thorns from Sweet briar, or Rose bushes.

Thistles, the down and seeds of small ones, pretty.

Trees, bark of, and rind of young branches.

Transparent stones, pebbles, agates, &c.

V.

Vinegar, stale, Animalcules to be seen in.

Veined woods, fine shavings of, very curious.

W.

Walnut, root of.

Wasps, every part of, truly interesting.

Water, stagnant, abounds with Animalcules.
 Water insects, very interesting objects.
 Webs of Spiders, Silk-worms, &c.
 White Poppy seeds, whole or divided, pretty.
 Wheat, tuft on the embryo grain, beautiful.
 Wings of all small Insects, very pretty and proper.
 Wood Lice, legs of, &c.
 Worm-wood, cut transversely, beautiful.
 Worms of all kinds.
 Wood, very thin shavings of, very pretty.

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