

MESSRS. ROOTS, have shown us several Daguerreotypes taken by a microscopic arrangement, in connection with the lenses. This is a new and highly interesting feature in Daguerreotyping and of invaluable importance to the Naturalist. One of these impressions is of a *Flea*, and is a faithful and well developed image. One of a *Fly's* foot and one of a *Fly's* wing; these impressions are well defined, greatly magnified, and are certainly curiosities in the Daguerreian Art.

C. C. HARRISON has sent a number of *Cameras* to London, for exhibition at the World's Fair; we noticed a Mammoth Camera tube with a specimen picture taken by it and also several of the various sizes. These will no doubt be in competition with the far-famed "*Voigtlander and Shon's*" of Vienna—German Cameras.

MEADE AND BROTHER have exhibited for a few days twenty-four Daguerreotypes which are intended for exhibition at the great Fair in London. We noticed twelve wholes, and twelve halves, and they are certainly a superior collection of specimens, and will add much to the collection from America.

We have seen some fine specimens intended for exhibition at the World's Fair in London. These Daguerreotypes were executed at Mr. LAWRENCE's establishment in this city. Mr. L. has three double whole plates, one representing the Present, Past and Future, which is a gem. He has also six whole plates and sixteen halves all neatly arranged in three matched frames and do credit to the art.

C. C. HARRISON has invented and patented a new wheel for polishing plates. We will represent it in our next by a cut.

W. & W. H. LEWIS have a new iron head rest, which will be illustrated in our next. Also a polishing wheel.

We have received from SCOVILL Manufacturing Co., a number of new plates which for finish and softness of silver, are superior to any we have seen; they are made by an entire new process and require but little labor to render them equally sensitive with the best French plates. We are pleased to find that our manufacturers and dealers are endeavoring to introduce American apparatus and stock, which will fully equal if not surpass all foreign. The day is not far distant when Photographic stock will become articles of exports rather than imports.

ELECTRICITY.

ELECTRICITY—NEW APPLICATIONS.—A late number of the London Philosophical Magazine describes a new electrical machine, in which gutta percha, owing to its highly electrical properties, affords the means of producing in a very ample manner, an amount of electricity as great as that of the common electrical machine. The machine, an improved, consists of a wooden frame some eighteen inches high which carries two wooden rollers of equal diameter; to the axle of one of which a handle is attached by which it can be rotated. Around the rollers, and fitting them tightly is passed a band of gutta percha about four inches in width—the rubbers are four brushes of bristles, and are placed on one side the band and opposite the axis of each roller. A double conductor connected by a brass rod and passing over the top of the machine is applied, similar in form to the conductor of the plate-glass machine. When the handle of the machine is turned causing the gutta percha band to move at a moderate velocity, an abundant supply of electricity is excited. The electricity given off appears to be of higher intensity, and under favorable states of the weather, nearly as much in quantity as that of an ordinary plate glass machine.