

the possibilities of the new discovery. Fig. II. was obtained by placing on the cardboard box containing the sensitized plate a silver medal, over which was placed a block of wood one inch thick. The screws also shown in the picture were driven into the wood, and from the appearance of the



FIG. IV.

*Instruments Photographed Through Case.*

cut it is quite evident that while the wood offered but little resistance to the passage of the rays the metals were quite opaque. Fig. III. represents a pair of opera glasses taken in their case. The metal parts were of aluminium, and it can be seen that, while the rays passed through the tubes at all points, they did so to a much greater extent where there was only one thickness of the metal. The object lenses are clearly defined, showing that the glass is quite opaque, and the outlines of the