NOTE ON COLOURED TRANSPORTED

By Julies Ruemanno.

(Read December 18th, 1806.)

I have the honour and pleasure of bringing before you this evening a new form of substage differential colour illuminator which I have designed in order to simplify and facilitate the use of colour discs and other stops in the substage of the micro-

scope.

You will see that it consists essentially of a box, or alide carrier fitted under the condensor, in which there are a number of metal alides which can be putled out or pushed in quite independently of one maches by mean of little handles on both independently of cost maches by means of little handles on both can be long fitted with a colour disc or other stop, the other one being left free. The kind of stop is indicated on the handles are both little properties in the alides are so arranged that when the apparatus is closed all the free openings coincide, so that allumination can be effected in the ordinary way. When any other illumination is required it is only necessary to pull out a constant continue when multiple of the first a first of the contract continue when multiple contract are set will no.

In the appearins I have here there are 10 stops, vis., a dark ground stop, from stops which cause the object not assume various colours, four which cause the object to assume various colours, stops causing the object to ill liminated in different colours from opposite sides in various colours (for showing striktions), and one causing the object to be illuminated in different colours from opening the strike the strike of the colours striktions etc., similarly situated. There are also steps for the colours of the strike of the colours of the colours of the strike of the colours of the strike of the colours where he will also very service situation to the experimentalist.

As far as colour discs are concerned the stope are so arranged that all those which can be pulled out from the left side of the carrier cause the background to be coloured, whilst those which can be pulled out from the right side cause the object to be coloured.

The number of effects which can be obtained with such as apparatus is milmited. Mr. Rossness showed a soons weeks ago an ingenious colour illuminator, by which, according to a full summarburshin calculation, 36 effects could be obtained. When the contraction of the contraction o

I venture to think, Mr. Peroldont, that for simplicity in use its enume to excelle a, as it allows of every hind of illumination and stop being automatically brought into action whilst the object is under examination. The best result can, therefore, bothstined with for greater spatility than enthustry, and constitution with the greater populity than enthustry, and constitution of the state of the enthustry which are the state of the enthustry which are the state of the enthustry which are the state of the state of the stay of th