

## NEW PREPARATIONS.

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### Messrs. Allen and Hanburys.

THIS eminent firm of chemists has forwarded to us samples of their "Disintegrating Tabellæ" and "Medicated Throat Pastilles." We have submitted the following to experiment—

Chloride of Ammonium Tabellæ (gr. 3).

Borax Tabellæ (gr. 5).

Chlorate of Potash and Borax Tabellæ.

Cocaine Tabellæ (gr.  $\frac{1}{30}$ ).

Chlorate of Potash, Borax and Cocaine Tabellæ.

Chlorate of Potash Tabellæ (gr. 5).

Messrs. Allen and Hanburys say that they have "always entertained" serious doubts as to the expediency of administering sparingly soluble substances in firmly compressed masses, and it was with no little satisfaction that in the course of a series of experiments we came upon a fact admirably suited to remove this chief objection to the use of compressed drugs." It is this solubility of Messrs. Allen and Hanburys' compressed tabellæ which makes them so distinct from other preparations in the market. We have tried them and found them satisfactory in this respect. Messrs. Allen and Hanburys have now a great number of these compressed tabellæ of different drugs and combinations.

The Medicated Throat Pastilles submitted to us are—

Tannin Pastilles.

Chlorate of Potash and Borax Pastilles.

Chlorate of Potash Pastilles.

Guaiaicum Pastilles (gr. 2).

Chlorate of Potash, Borax and Cocaine Pastilles.

Cocaine Pastilles (gr.  $\frac{1}{30}$ ).

All these are excellent preparations, very well dispensed, and pleasant to take. Even the usually nauseous guaiacum is very well disguised. A great number of others are prepared by Messrs. Allen and Hanburys.

All preparations emanating from the house of Allen and Hanburys are sure to be distinguished by excellence of manufacture, elegance, and reliability, and we can say the same of the samples now submitted to us.

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## NEW INSTRUMENTS.

### Improved Anæsthetic Inhalers, with Patent Respiration Indicator.

Krohne and Sesemann, London.

CONSCIENTIOUS and experienced anæsthetists are notoriously and properly conservative in the use of the methods and apparatus they employ. They do not readily depart from those with which long personal association

has given them familiarity, and in which, consequently, they have an amount of confidence which is not easily shaken. But there are many who are still on the search for the best way. *A priori* there seems a very great deal to recommend the modification of Junker's well-known inhaler as now offered by Messrs. Krohne and Sesemann. As in Junker's original instrument, the chloroform vapour is plentifully diluted with air, and the amount of dilution is capable of still finer graduation by the addition of a stop-cock between the bellows and the bottle. The amount administered can, and should be at the commencement so slight, and the dilution so great, as to cause no discomfort, and certainly no such irritation of the glottis as to occasion a spasm.

This great end being achieved, a speedy narcosis can be produced without struggling. How "insinuating" this method can be made is readily appreciable by anyone who, like the writer, has tested it on himself and by very gentle successive pressures on the bellows induced commencing unconsciousness without the slightest sensation of choking. We have confirmed this by observation in practice, the necessary condition being the minimal pressure at the outset. The observation of the respiration is greatly facilitated by means of a feather indicator loosely hinged to the large opening for entry and exit of air on the front of the face-piece. This indication is not open to the same fallacy as that given by the movements of the chest, because chest-movements may be visible while no air is entering the lungs, as Dr. Lauder Brunton has pointed out.

The extraordinary safety of chloroform anæsthesia in child-birth justifies the use of a special flannel face-piece as recommended for use in this circumstance, the pressure on the bellows being practised by the patient herself, and ceasing, of course, on the occurrence of muscular relaxation. For operations about the nose and face a conveniently curved metal tube is provided, so that anæsthesia may be kept up without the face being covered.

No apparatus is ever likely to supersede the necessity for carefully trained observation in the use of anæsthetics, but this one offers the nearest approach to whatever "makes for" safety. It certainly uses the smallest possible amount of chloroform, and impregnates the air surrounding the patient and administrators proportionally little. That air is better calculated, therefore, for favouring return to consciousness under the action of natural or artificial respiration.



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